



# **REST API Guide**

**AgilePoint BPMS v5.0 R2 SP1**

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# REST API

This document describes the AgilePoint REST API. AgilePoint recommends this API especially for use with mobile applications. JavaScript, Java, and C# examples are provided for each method.

This API has the following endpoints. The name of your AgilePoint Server directory depends upon whether you are using AgilePoint on premises or AgilePoint for Azure:

- **Workflow API** - [https://\[qualified machine name\]:\[port\]/\[AgilePointServer or AgilePointService\]/Workflow](https://[qualified machine name]:[port]/[AgilePointServer or AgilePointService]/Workflow)
- **Administration API** - [https://\[qualified machine name\]:\[port\]/\[AgilePointServer or AgilePointService\]/Admin](https://[qualified machine name]:[port]/[AgilePointServer or AgilePointService]/Admin)



**Note:** For your data security, AgilePoint strongly recommends using SSL (https) for all communication with the AgilePoint REST API.

# Preface

## Disclaimer of Warranty

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AgilePoint, Inc. makes no representations or warranties, either express or implied, by or with respect to anything in this document, and shall not be liable for any implied warranties of merchantability or fitness for a particular purpose or for any indirect, special or consequential damages.

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## Virus-free software policy

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AgilePoint recognizes that viruses are a significant security consideration for our customers. To date, we have had no report of AgilePoint BPMS carries any virus. AgilePoint takes the following measures to ensure our software is free of viruses upon delivery:

- AgilePoint is built on top of Microsoft .NET framework. The pre-compiled executable is a .NET Common Language Runtime (CLR) application, not a native machine binary. As far as is known at this time, there are no viruses that infect .NET CLR executables.
- The virtual environment for the product packaging process is fully isolated and protected, and anti-virus software is installed and running during packaging.
- The deliverable package is scanned by anti-virus software before upload to our customer download site.

## Document Revision Numbers

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AgilePoint documentation uses the revision number format **rX.Y.Z**. The letters and numbers in this revision number can be interpreted as follows:

- **r** - Indicates "revision." This helps to differentiate the document *version* numbers, which start with **v**.
- **X** - The major version number for AgilePoint BPMS to which this document refers. For example, AgilePoint releases 5.0, 5.0 SP1, and 5.5 would all have an **X** value of **5**.
- **Y** - The major document revision number. This number typically changes only when either there is a new AgilePoint release, or there are major changes to the document.
- **Z** - The minor document revision number. This number is incremented each time the document is republished.

## AgilePoint Documentation in PDF and HTML

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AgilePoint documentation is provided in both print-friendly (PDF) and web-based (HTML) formats.

### Advantages of HTML Documentation

- HTML is the **primary delivery format** for AgilePoint documentation.
- Unified, global **search** across all documentation. PDF documents allow you to search only within the context of a given PDF file.
- **All hyperlinks supported**. Links in PDFs are only supported in certain contexts.
- "One-stop shopping" for all information related to AgilePoint BPMS.
- The HTML documentation is updated more frequently than the PDF documentation. Web-based documentation is updated periodically between AgilePoint releases to address errors and omissions, but the PDF documentation is updated only at the time of a software release.

### Advantages of PDF Documentation

PDFs can be more easily **printed**, **archived**, and **transferred** (such as by FTP or email) than HTML documentation.

For more information, see [Downloading Files and Sharing Links from the Documentation Library](#) in the [Documentation Library](#).

## Opening the Documentation Library

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To open the AgilePoint Documentation Library, do the following.

### Prerequisites

You must have a valid account on the AgilePoint Support Portal.

### Instructions

1. Log on to the AgilePoint Support Portal.
2. Click **Documentation**.
3. On the **Documentation** page, click the documentation library for your AgilePoint release.
  - For AgilePoint BPMS v5.0 SP1 and higher, the web-based documentation library opens in a new tab or window in your web browser.

- For releases prior to v5.0 SP1, a download starts for a Zip file with the PDF documentation for your release.

## Finding Information in the Documentation Library

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The information in this topic will help you to locate information in the AgilePoint Documentation Library.

### Using the Table of Contents

The table of contents in the AgilePoint Documentation Library is divided by content areas. For example, the Installation section includes all the information you need to install AgilePoint BPMS. The AgilePoint API section includes information about the AgilePoint APIs.

You can use the Table of Contents to explore the AgilePoint documentation content and find the information you want.

### Searching

The web-based documentation includes a centralized search for all documentation content. To search for information:

1. In the AgilePoint Documentation Library, click the **Search** tab. In the Search box, enter **1 search term**, and click **Search**.

The search results display in alphabetical order by topic title.

It is important to understand that the third-party software AgilePoint uses to generate web-based documentation allows only 1 search term. More than 1 search term will cause the search to fail.

AgilePoint recommends using a relatively unique search term to find the information you need. For example, entering a common term, such as "process," will return a high percentage of the total documentation topics in the search results.

2. Browse the list of topic titles to find the information you want.

### Printing

The PDF documentation is provided mainly for the purpose of printing and archiving. To print a set of information:

1. Navigate to the main page of the Documentation Library from which you want to print.
2. In the list of documents, click the document name in the **PDF** column.
3. From your PDF reader software, print the portion of the document you want.

## Downloading Files and Sharing Links from the Documentation Library

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You can download and share files AgilePoint's documentation library as you would in any other web page. Note that if you send links to recipients, they must have a Support Portal login to view the file.

These procedures are common examples based on Internet Explorer with the Adobe Reader plug-in. Exact procedures may vary depending on your web browser, PDF viewer, and email client configuration.

## Share a Link to an HTML Topic

1. Navigate to the topic you want to share.
2. Copy the URL in the Location box in your web browser.
3. Paste the URL in an email, IM client, etc.

## Share a Link to a PDF Document

1. In Internet Explorer, navigate to the Documentation Library home page.
2. In the **PDF** column, right-click the name of the PDF file you want to share.
3. In the quick menu, click **Copy shortcut**.
4. Paste the URL in an email, IM client, etc.

## Save a Copy of a PDF Document

1. In Internet Explorer, [open the Documentation Library home page](#).
2. In the **PDF** column, click the name of the PDF file you want to share.
3. In the Adobe Reader plug-in, click **Save** button.

## Contacting AgilePoint Sales

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AgilePoint is a leading Business Process Management System (BPMS) provider created by a team of driven people who strive to incorporate the principles of relentless innovation for the benefit of our customers. Our mission is to help companies of any size attain and sustain operational success through process excellence.

**Headquarters:** AgilePoint Corporation 1916C Old Middlefield Way Mountain View, CA 94043, USA

**Tel:** (650) 968 - 6789

**Fax:** (650) 968 - 6785

**Email:** [info@agilepoint.com](mailto:info@agilepoint.com)

**Web site:** [www.agilepoint.com](http://www.agilepoint.com)

**International:** For AgilePoint EMEA and AgilePoint Asia Pacific, please call the AgilePoint Corporate Office for contact information.

## Contacting Customer Support

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To contact AgilePoint Support, please submit a ticket on the AgilePoint Support Portal: <http://support.agilepoint.com/SupportPortal/>

If you do not have a Support Portal account, you can send an email to request one: [support@agilepoint.com](mailto:support@agilepoint.com)

# Authentication

When you make a REST API call, you must authenticate the user. The following provides an example of REST API authentication using JavaScript, Java, C# and Ajax.

## Prerequisites

- Before you can use the recommended SSL authentication, you must set up SSL authentication in AgilePoint Server.

For more information, see [Enabling SSL in AgilePoint Server Manager](#).

- You may need to create a custom server side authentication mechanism for your REST API calls.

For more information, see [Server Side Authentication Using WCF Endpoints for AgilePoint Server](#).

## JavaScript Code Example

```
$.ajax({
  headers: {

    // To make cross-domain ajax calls.
    // This is required if your front-end and back-end are in different domains.
    "Access-Control-Allow-Origin": "*",

    // Supply your application name.
    appID: 'My Application',

    // If your application is being served in multiple languages,
    // Call a method that returns the selected language id, for example (en-US).
    locale: getLocale(),

    // Add implementation to obtain base64 encoded value of username and password.
    Authorization: "Basic "+base64encode(Username:Password)

  },
  url: 'https://mydomain:9011/AgilePointServer/Admin/GetRegisterUser',

  // Pass username in JSON format {userName:'Domain\UserName'}
  data: JSON.stringify({ userName: 'demo3\lily.allen' }),

  // default HTTP verb is post.
  // If the verb is GET, you must specify it.
  type: 'POST',

  // Response content type. By default it is json.
  contentType: "application/json",

  // The default data type for the request body.
  dataType: "json",

  // Set async to true to make a non-blocking or asynchronous ajax call.
  async: true,

  // Set cache to false to make sure we are not getting the cached response.
  cache: false,
```

```

success: function (data, status) {
  try {

    // Handle success callbacks.
  } catch (e) {

  }
},

error: function (xhr, status, error) {
  try {

    //Handle any request error message or authentication failure messages.
  } catch (e) {

  }
}
});

```

### Java Code Example

```

public String POSTMethod(String URI, String jsonRequestData) {
  org.apache.http.impl.client.CloseableHttpClient httpClient = null;
  org.apache.http.client.methods.CloseableHttpResponse response = null;
  httpClient = HttpClients.createDefault();
  org.apache.http.client.methods.HttpPost httpPost = null;

  httpPost = new org.apache.http.client.methods.HttpPost(URI);
  httpPost.addHeader("content-type", "application/json;charset=UTF-8");
  httpPost.addHeader("Authorization",
    "Basic "+ new String(Base64.encodeBase64((Username:password).getBytes())));
  httpPost.addHeader("AppName", "My Application");
  httpPost.addHeader("Locale", Locale.getDefault());

  try {
    org.apache.http.entity.StringEntity se =
      new org.apache.http.entity.StringEntity(jsonRequestData,
        ContentType.create("text/plain", "UTF-8"));
    httpPost.setEntity(se);
    response = httpClient.execute(httpPost);
    return org.apache.http.util.EntityUtils.toString(response.getEntity());
  } catch (ClientProtocolException e) {
    e.printStackTrace();
  } catch (IOException e) {
    e.printStackTrace();
  }
  return "";
}

```

### C# Code Example

```

public HttpRequest GetHttpRequest(string URI, string Method)
{
  //Create a request with required URI
  HttpRequest request = (HttpRequest)WebRequest.Create(URI);

  request.Method = Method;

  //Set Content Type
  request.ContentType = "application/json";
}

```

```
//Set Accept Type
request.Accept = "application/json";

//Setting Header
//Creating Authorizationheader format (Basic (base64(domain\
username:password))
request.Headers[HttpRequestHeader.Authorization] =
    "Basic " + Convert.ToBase64String(Encoding.UTF8.GetBytes(domain + "\\\" +
userName + ":" + password));
request.Headers["appID"] = appID;
request.Headers["locale"] = locale;
request.Timeout = 100000;
request.KeepAlive = false;
ServicePointManager.ServerCertificateValidationCallback += new
System.Net.Security.RemoteCertificateValidationCallback(ValidateServerCertificate);
return request;
}
```

# Methods

This section includes references for all methods within the AgilePoint REST API.

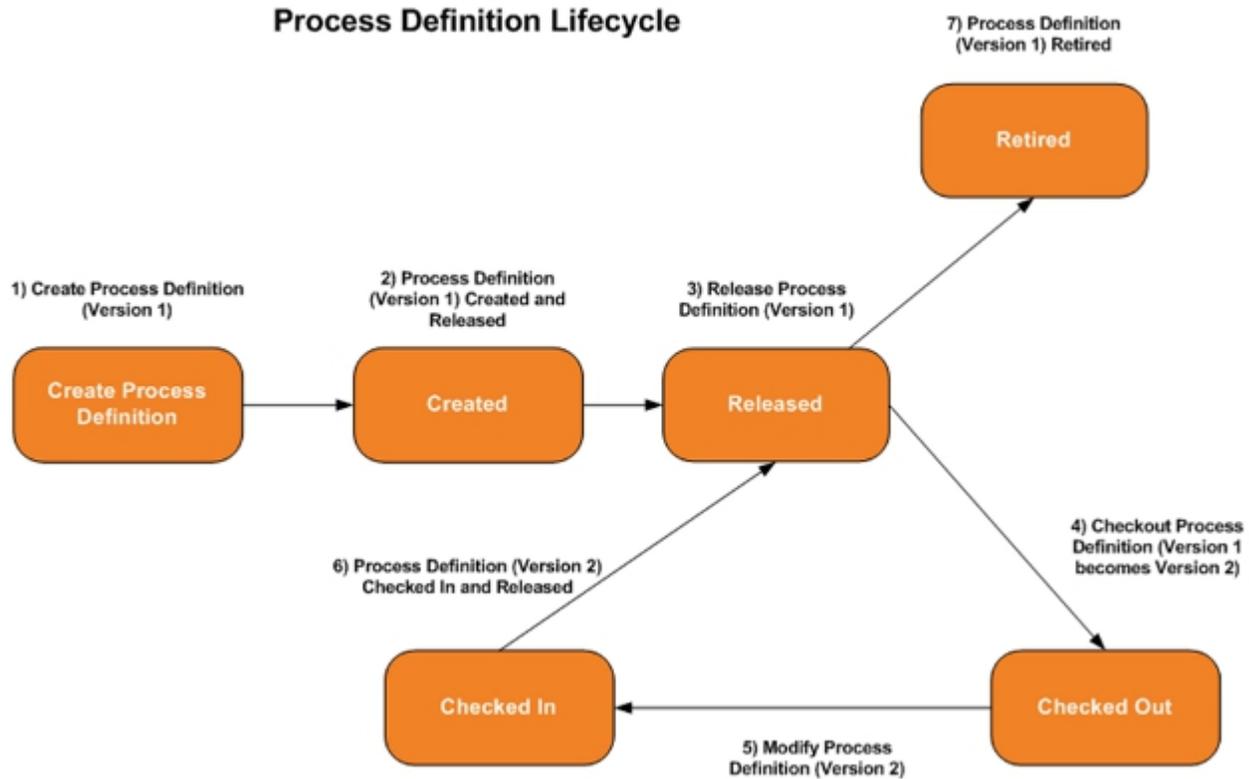
## Process Definition Methods

---

This section describes how process definitions are managed. The AgilePoint server supports version control to ensure that process definitions are archived and maintained for later use. A process definition can spawn many process instances. Employing version controls allows the AgilePoint Server to store multiple versions of a single process definition.

The project lifecycle of a process definition can be defined by the following steps:

1. **Create Process Definition** – Create a process definition. The version for the initial process definition is version 1.
2. **Created** – Confirm that the process definition has been created.
3. **Release process definition** – Once a process definition has been created, it must be "released." This allows the process definition to be checked out and edited/modified.
4. **Check out process definition** – If changes or modifications are made, the process definition is "checked out." Changes can then be made to the process definition.
5. **Modify process definition** – After a process definition has been checked out, changes can be made to the process definition.
6. **Check in process definition** – Once all changes/modifications have been made, the process definition is checked in, so the changes are committed to the process definition. The process definition is now version 2.
7. **Retire process definition** – Once version 2 of the process definition has been checked in, the previous version 1 is retired. Retired process definitions can also be deleted.



## Check In Process Definition

---

### API Type

REST

### HTTP Method

POST

### Description

Checks in the process definition to the AgilePoint Server and returns the process definition identifier. This method accepts a string with the updated process definition in XML format.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/CheckinProcDef](https://[domain]:[port]/AgilePointServer/Workflow/CheckinProcDef)

### URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/CheckinProcDef](https://[domain]:[port]/AgilePointService/Workflow/CheckinProcDef)

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
xml	<p><u>Definition:</u></p> <p>Specifies a process definition in XML format.</p> <p>To generate the process definition file in XML format, in AgilePoint Envision, click <b>File &gt; Export &amp; Import &gt; Save As Deploying File(xml)</b>. You can also download the process definition XML from AgilePoint Enterprise Manager.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains process definition in XML format.</p>

## JavaScript Code Example

```
$("#btnCheckinProcDef").click(function () {
    var JSONObject = { xml: '<process template XML string>' };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String CheckinProcDef() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("xml", "<process template XML string>");
    return ops.POSTMethod(URI, postData.toString());
}
```

```
return "";  
}
```

## C# Code Example

```
public string CheckinProcDef()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef";  
    string jsonRequestData = "{ \"xml\": \"<process template XML string>\" }";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
    return ops.PostXml(URI, jsonRequestData);  
}
```

## Output

A new process definition ID.

## JSON Response Body Example

```
{  
  GetReleasedPIDResult: "String content"  
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Check Out Process Definition

---

## API Type

REST

## HTTP Method

POST

## Description

This method is used to manage process definition versioning by setting the process definition status to `CheckedOut` based on a given process definition ID. Only process definitions with the status of `Released` can transition into the `CheckedOut` status.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CheckoutProcDef/[processTemplateID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CheckoutProcDef/[processTemplateID]

## Request Parameters

Name	Description
processTemplateID	<p><u>Definition:</u></p> <p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

## JavaScript Code Example

```
$("#btnCheckoutProcDef").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CheckoutProcDef/C769BA234EFD421B8B95A525B972E511",
    });
});
```

## Java Code Example

```
public String CheckoutProcDef() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CheckoutProcDef/C769BA234EFD421B8B95A525B972E511";
    HTTPOperations ops = new HTTPOperations(domain, userName, password, appID, locale);
    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string CheckoutProcDef()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/CheckoutProcDef/C769BA234EFD421B8B95A525B972E511";
    HTTPOperations ops = new HTTPOperations(domain, this.userName, password, appID, locale);
    return ops.POSTMethod(URI);
}
```

## Output

The process definition, in XML format, that has been checked out.

### JSON Response Body Example

```
"<?xml version="1.0" encoding="utf-8" standalone="no"?>
  \u000d\u000a<?wfmc-xpdl xmlns="http://www.wfmc.org/2002/XPDL1.0"
                                xmlns:xpdl="http://www.wfmc.org/2002/XPDL1.0"
                                xsi:schemaLocation="http://www.wfmc.org/2002/
XPDL1.0"?>
  \u000d\u000a<!--Process Definition, Copyright 2003-2004
Ascentn Corporation, All Rights Reserved.-->\u000d\u000a
<ProcessDefinition>...</ProcessDefinition>"
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Create Process Definition

---

### API Type

REST

### HTTP Method

POST

### Description

Adds a new process definition to the AgilePoint Server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CreateProcDef

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CreateProcDef

### Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
xml	<p><u>Definition:</u></p> <p>Specifies a process definition in XML format.</p> <p>To generate the process definition file in XML format, in AgilePoint Envision, click <b>File &gt; Export &amp; Import &gt; Save As Deploying File(xml)</b>. You can also download the process definition XML from AgilePoint Enterprise Manager.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains process definition in XML format.</p>

### JavaScript Code Example

```
$("#btnCreateProcDef").click(function () {
    var JSONData = { xml: '<process template XML string>' };
    $.ajax({
        url: 'https://mydomain:9011/AgilePointServer/Workflow/CreateProcDef',
        data: JSON.stringify(JSONData)
    });
});
```

### Java Code Example

```
public String CreateProcDef() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateProcDef";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("xml", "<process template XML string>");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string CreateProcDef()
{
```

```

string URL= "https://mydomain:9011/AgilePointServer/Workflow/CreateProcDef";

string jsonData = "{
  \"xml\": \"\" + '<process template XML string>' + \"\"";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL, jsonData);
}

```

## Output

Unique ID of the process definition, which the AgilePoint system generates.

## JSON Response Body Example

```
"String content"
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Delete Process Definition

---

## API Type

REST

## HTTP Method

POST

## Description

Deletes the process definition and all of the process instances associated with the process definition. The process definition cannot be deleted if one or more process instances associated with the process definition is running or suspended. The function may take a long time to execute if there are many process instances associated with the process definition.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/DeleteProcDef/[processTemplateID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/DeleteProcDef/[processTemplateID]

## Request Parameters

Name	Description
processTemplateID	<u>Definition:</u>

Name	Description
	<p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

### JavaScript Code Example

```
$("#btnDeleteProcDef").click(function () {
  $.ajax({
    url: "https://mydomain:9011/AgilePointServer/Workflow/
        DeleteProcDef/C769BA234EFD421B8B95A525B972E511"
  });
});
```

### Java Code Example

```
public String DeleteProcDef() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
              DeleteProcDef/C769BA234EFD421B8B95A525B972E511";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();

  return ops.POSTMethod(URI, postData.toString());
}
```

### C# Code Example

```
public string DeleteProcDef()
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
              DeleteProcDef/C769BA234EFD421B8B95A525B972E511";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

  return ops.POSTMethod(URI, "");
}
```

### Output

None.

### JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Base Process Definition ID

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the ID for the first version of the process definition, called the base process definition. All subsequent process definition versions have the same base process definition ID. This call retrieves the base process definition ID with the specified process definition name.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetBaseProcDefID/[procDefName]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetBaseProcDefID/[procDefName]

### Request Parameters

Name	Description
procDefName	<p><u>Definition:</u></p> <p>The name of the process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A single line of text.</p>

### JavaScript Code Example

```
$("#btnGetBaseProcDefID").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetBaseProcDefID/ProcessMapApproval",
        type: "GET"
    });
});
```

```
});
```

### Java Code Example

```
public String GetBaseProcDefID() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetBaseProcDefID/ProcessMapApproval";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

### C# Code Example

```
public string GetBaseProcDefID()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetBaseProcDefID/Test2";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

### Output

string that contains the base process definition ID.

### JSON Response Body Example

```
{  
  "GetBaseProcDefIDResult": "5990FB41783F4C7F86E3452AFD62BB8E"  
}
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Process Definition By Base Process Definition ID

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves all process definitions by a specified base process definition ID.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefByBasePID/[baseprocessTemplateID]

## Request Parameters

Name	Description
baseprocessTemplateID	<p><u>Definition:</u></p> <p>The ID of the base process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid base process definition ID.</p>

## JavaScript Code Example

```
$("#btnGetProcDefByBasePID").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcDefByBasePID/519B54C80B90492AA198F861FDA32E40",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetProcDefByBasePID() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcDefByBasePID/519B54C80B90492AA198F861FDA32E40";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetProcDefByBasePID()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcDefByBasePID/519B54C80B90492AA198F861FDA32E40";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URI);
}
```

```
}

```

## Output

Array of WFBaseProcessDefinition objects.

## JSON Response Body Example

```
{
  "GetProcDefByBasePIDResult": [{
    "ApplName": "MyApplication",
    "AssemblyName": "",
    "AuditLevel": 0,
    "BaseDefID": "5990FB41783F4C7F86E3452AFD62BB8E",
    "CheckedOutBy": "",
    "CheckedOutDate": "\/Date(928149600000+0000)\/",
    "ClassName": "",
    "CreatedBy": "demo3\\administrator",
    "CreatedDate": "\/Date(928149600000+0000)\/",
    "DefID": "24D6EDE684514E4684A6F0C1BB675566",
    "DefName": "ProcessMapApproval",
    "Description": "",
    "Diagnostic": false,
    "DocRef": "",
    "ExpectedTime":
    {
      "BusinessTime": false,
      "Length": "1",
      "Unit":
      {
        "Value": 2
      }
    },
    "InitiateConstraint": 2,
    "MaximumSessionAllowed": 0,
    "OnComplete": 0,
    "Owner": "administrator",
    "PreVersion": "1.21",
    "ReleaseDate": "\/Date(928149600000+0000)\/",
    "Rule": null,
    "Status": "Created",
    "SupplementInfo": "",
    "Version": "1.0"
  }
]}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Process Definition Graphics

---

### API Type

REST

## HTTP Method

GET

## Description

Retrieves graphical data for the process definition in XML format. The graphical representation of the process is XML-serialized by the class Graphic Image. The graphical data is used to display the process visually.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefGraphics/[processID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProcDefGraphics/[processID]

## Request Parameters

Name	Description
processID	<p><u>Definition:</u></p> <p>The process definition ID for a released process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>

## JavaScript Code Example

```
$("#btnGetProcDefGraphics").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcDefGraphics/FFF216089A274862BA56223B3E087A82",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetProcDefGraphics() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcDefGraphics/FFF216089A274862BA56223B3E087A82";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
```

```
return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetProcDefGraphics()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetProcDefGraphics/FFF216089A274862BA56223B3E087A82";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

Graphics object in XML format.

## JSON Response Body Example

```
{
  "GetProcDefGraphicsResult": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <Graphics>...</Graphics>"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Process Definition Name and Version

---

## API Type

REST

## HTTP Method

GET

## Description

Retrieves the process definition name and version.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefNameVersion/[processTemplateID]

## Request Parameters

Name	Description
processTemplateID	<u>Definition:</u>

Name	Description
	<p>The process definition ID for a released process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>

### JavaScript Code Example

```
$("#btnGetProcDefNameVersion").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcDefNameVersion/FFF216089A274862BA56223B3E087A82",
        type: "GET"
    });
});
```

### Java Code Example

```
public String GetProcDefNameVersion() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcDefNameVersion/FFF216089A274862BA56223B3E087A82";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

### C# Code Example

```
public string GetProcDefNameVersion()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcDefNameVersion/FFF216089A274862BA56223B3E087A82";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URI);
}
```

### Output

`KeyValue` object, where Key contains process definition name and Value contains version.

### JSON Response Body Example

```
{
  "GetProcDefNameVersionResult":{
```

```
"Key": "ProcessMapApproval",  
"Value": "1.01"  
}}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Process Definitions

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves all of process definition objects.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefs

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProcDefs

### Request Parameters

Name	Description
None	Not Applicable

### JavaScript Code Example

```
$("#btnGetProcDefs").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetProcDefs",  
        type: "GET"  
    });  
});
```

### Java Code Example

```
public String GetProcDefs() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetProcDefs";
```

```

HTTPOperations ops = new HTTPOperations(domain, userName,
                                       password, appID, locale);

return ops.GETMethod(URI);
}

```

## C# Code Example

```

public string GetProcDefs()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/GetProcDefs";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                       password, appID, locale);

    return ops.GetData(URI);
}

```

## Output

An array of WFBBaseProcessDefinition objects.

## JSON Response Body Example

```

{
  "GetProcDefsResult": [{
    "ApplName": "MyApplication",
    "AssemblyName": "",
    "AuditLevel": 0,
    "BaseDefID": "00C1D40833204A348DC9D302ED55A0C3",
    "CheckedOutBy": "",
    "CheckedOutDate": "\/Date(928149600000+0000)\/",
    "ClassName": "",
    "CreatedBy": "demo3\\administrator",
    "CreatedDate": "\/Date(928149600000+0000)\/",
    "DefID": "00C1D40833204A348DC9D302ED55A0C3",
    "DefName": "BudgetRequest",
    "Description": "",
    "Diagnostic": false,
    "DocRef": "",
    "ExpectedTime":
    {
      "BusinessTime": false,
      "Length": "1",
      "Unit":
      {
        "Value": 2
      }
    },
    "InitiateConstraint": 2,
    "MaximumSessionAllowed": 0,
    "OnComplete": 0,
    "Owner": "administrator",
    "PreVersion": "",
    "ReleaseDate": "\/Date(928149600000+0000)\/",
    "Rule": null,
    "Status": "Retired",
    "SupplementInfo": "",
    "Version": "1.0"
  }]
}

```

}

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Process Definition Supplement

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves all the process definition objects and activity objects.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]

### Request Parameters

Name	Description
processDefinitionID	<p><u>Definition:</u></p> <p>The unique reference ID for a process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique process definition reference ID.</p>
activityDefinitionID	<p><u>Definition:</u></p> <p>The reference ID for the XML that defines an activity.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> A valid activity definition ID.

### JavaScript Code Example

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
  GetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/
  C769BA234EFD421B8B95A525B972E511",
  type: "GET"
});
```

### Java Code Example

```
public String GetProcDefSupplement () {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
  GetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/
  C769BA234EFD421B8B95A525B972E511";

  HTTPOperations ops = new HTTPOperations(domain, userName,
  password, appID, locale);

  return ops.GETMethod(URI);
}
```

### C# Code Example

```
public string GetProcDefSupplement ()
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
  GetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/
  C769BA234EFD421B8B95A525B972E511";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
  password, appID, locale);

  return ops.GetData(URI);
}
```

### Output

A byte of array represented as base64 encoded string.

### JSON Response Body Example

```
{
  "GetProcDefSupplementResult": [
    60,
    65,
    99,
    111,
    114,
    109,
    62
  ]
}
```

```
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Process Definition XML

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves a process definition in XML format.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefXml/[processTemplateID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProcDefXml/[processTemplateID]

### Request Parameters

Name	Description
processTemplateID	<p><u>Definition:</u></p> <p>The process definition ID for a released process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>

### JavaScript Code Example

```
$("#btnGetProcDefXml").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcDefXml/FFF216089A274862BA56223B3E087A82",
        type: "GET"
    });
});
```

```
});
```

### Java Code Example

```
public String GetProcDefXml() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefXml/FFF216089A274862BA56223B3E087A82";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

### C# Code Example

```
public string GetProcDefXml()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefXml/FFF216089A274862BA56223B3E087A82";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

### Output

string that contains XML format of the process definition.

### JSON Response Body Example

```
{  
  "GetProcDefXmlResult":  
  "<?xml version=\"1.0\" encoding=\"utf-8\" standalone=\"no\"?>  
  <ProcessDefinition>...</ ProcessDefinition>"  
}
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Released Process Definition ID

---

### API Type

REST

### HTTP Method

GET

## Description

Retrieves the released process definition ID by a specified process definition name.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetReleasedPID/[procDefName]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetReleasedPID/[procDefName]

## Request Parameters

Name	Description
procDefName	<p><u>Definition:</u></p> <p>The name of the process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A single line of text.</p>

## JavaScript Code Example

```
$("#btnGetReleasedPID").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetReleasedPID/ProcessMapApproval",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetReleasedPID() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetReleasedPID/ProcessMapApproval";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetReleasedPID()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetReleasedPID/ProcessMapApproval";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

The ID for the released process definition.

## JSON Response Body Example

```
{
  "GetReleasedPIDResult": "6C7029387DB64567BFFA0F625D4314BE"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Released Process Definitions

---

## API Type

REST

## HTTP Method

GET

## Description

Retrieves the names and IDs of all released process definitions.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetReleasedProcDefs

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetReleasedProcDefs

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetReleasedProcDefs").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetReleasedProcDefs",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetReleasedProcDefs() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetReleasedProcDefs";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetReleasedProcDefs()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/GetReleasedProcDefs";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

[Key/Value](#) array for pairs of process definition IDs and process definition names.

## JSON Response Body Example

```
{
  "GetReleasedProcDefsResult": [
    {
      "Key": "6C7029387DB64567BFFA0F625D4314BE",
      "Value": "ProcessMapApproval"
    }
  ]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Release Process Definition

---

### API Type

REST

### HTTP Method

POST

### Description

Releases a process definition from the AgilePoint Server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/ReleaseProcDef/[processTemplateID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/ReleaseProcDef/[processTemplateID]

### Request Parameters

Name	Description
processTemplateID	<p><u>Definition:</u></p> <p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

### JavaScript Code Example

```
$("#btnReleaseProcDef").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            ReleaseProcDef/C769BA234EFD421B8B95A525B972E511"
    });
});
```

## Java Code Example

```
public String ReleaseProcDef() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                ReleaseProcDef/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

## C# Code Example

```
public string ReleaseProcDef()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                ReleaseProcDef/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Set Process Definition Supplement

---

## API Type

REST

## HTTP Method

POST

## Description

Sets supplement information related to process definition.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/SetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/SetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]

## Request Parameters

Name	Description
processDefinitionID	<p><u>Definition:</u></p> <p>The unique reference ID for a process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique process definition reference ID.</p>
activityDefinitionID	<p><u>Definition:</u></p> <p>The reference ID for the XML that defines an activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity definition ID.</p>

## JavaScript Code Example

```
$("#btnSetProcDefSupplement").click(function () {
    var formDefBytes = GetFormDefinitionBytes(formDefXml); // Converts AgileForm
    definition                                             // XML string to a byte
    array.
    var JSONObject = { supplementInfo: formDefBytes};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            SetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/
            C769BA234EFD421B8B95A525B972E511",
        data: JSON.stringify(JSONObject)
    });
});
```

```
});
```

## Java Code Example

```
public void SetProcDefSupplement() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                SetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/  
                C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    ops.POSTMethod(URI, postData.toString());  
}
```

## C# Code Example

```
public string SetProcDefSupplement()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                SetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/  
                C769BA234EFD421B8B95A525B972E511";  
  
    var formDefBytes = GetFormDefinitionBytes(formDefXml); // Converts AgileForm  
    definition XML string to a byte array.  
  
    var JSONObject = "{\"supplementInfo\": \"formDefBytes\"}";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, jsonRequestData  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Uncheckout Process Definition

---

## API Type

REST

## HTTP Method

POST

## Description

Undoes a check-out for a process definition. This method returns the status of a process definition from CheckedOut to Released without making changes to the process definition, or changing the version number.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/UnCheckOutProcDef/[processTemplateID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/UnCheckOutProcDef/[processTemplateID]

## Request Parameters

Name	Description
processTemplateID	<p><u>Definition:</u></p> <p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

## JavaScript Code Example

```
$("#btnUncheckoutProcDef").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            UncheckoutProcDef/C769BA234EFD421B8B95A525B972E511",
    });
});
```

## Java Code Example

```
public String UncheckoutProcDef() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        UncheckoutProcDef/C769BA234EFD421B8B95A525B972E511";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
```

```
JSONObject postData = new JSONObject();  
return ops.POSTMethod(URI, postData.toString());  
}
```

## C# Code Example

```
public string UncheckoutProcDef()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                UncheckoutProcDef/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Update Process Definition

---

## API Type

REST

## HTTP Method

POST

## Description

Updates a process definition without using version control. This method is intended for minor changes only, such as typographical errors. Warning: Changes made using this method circumvent version control, meaning changes are not tracked, and versions cannot be managed. Do not use this call for making any major changes to the process definition.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/UpdateProcDef

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/UpdateProcDef

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
xml	<p><u>Definition:</u></p> <p>Specifies a process definition in XML format.</p> <p>To generate the process definition file in XML format, in AgilePoint Envision, click <b>File &gt; Export &amp; Import &gt; Save As Deploying File(xml)</b>. You can also download the process definition XML from AgilePoint Enterprise Manager.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains process definition in XML format.</p>

## JavaScript Code Example

```
$("#btnUpdateProcDef").click(function () {
    var JSONData = { xml: '<process template XML string>' };
    $.ajax({
        url: 'https://mydomain:9011/AgilePointServer/Workflow/UpdateProcDef',
        data: JSON.stringify(JSONData)
    });
});
```

## Java Code Example

```
public String UpdateProcDef() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/UpdateProcDef";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.append("xml", "<process template XML string>");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

```
}
```

## C# Code Example

```
public string UpdateProcDef()
{
    string jsonRequestData = "{
        \"xml\": \"\" + '<process template XML string>' + \"\"";

    string URL = "https://mydomain:9011/AgilePointServer/Workflow/UpdateProcDef";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

Returns the unique identifier for the process definition that is updated.

## JSON Response Body Example

```
"String content"
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Methods for Process Instances

---

This section describes service calls related to process instances.

## Archive Process Instance

---

### API Type

REST

### HTTP Method

POST

### Description

Archives a process instance based on a specified process instance identifier by moving the set of process instance records from the current AgilePoint Database into the AgilePoint Archive Database. The process instance records and all of the associated data are then deleted from the AgilePoint Database. The process instance to be archived must be completed or canceled.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/ArchiveProcInst/[procInstID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/ArchiveProcInst/[procInstID]

## Request Parameters

Name	Description
procInstID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

## JavaScript Code Example

```
$("#btnArchiveProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            ArchiveProcInst/0008D8ACD70B4D38955F0777C5433963"
    });
});
```

## Java Code Example

```
public void ArchiveProcInst () {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        ArchiveProcInst/0008D8ACD70B4D38955F0777C5433963";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string ArchiveProcInst ()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
        ArchiveProcInst/0008D8ACD70B4D38955F0777C5433963";
}
```

```

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL);
}

```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Create Process Instance

---

## API Type

REST

## HTTP Method

POST

## Description

Creates a process instance for a specified process definition ID and parameters.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CreateProclnst

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CreateProclnst

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
Attributes	<u>Definition:</u>

Name	Description
	<p>Name-value pairs associated with a custom ID.</p> <p><u>Type</u> NameValue</p> <p><u>Allowed Values:</u> A valid custom ID with an associated name.</p>
blnStartImmediately	<p><u>Definition:</u> An obsolete, legacy parameter that must be true.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u> True</p>
CustomID	<p><u>Definition:</u> A work object ID specified within a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One valid work object ID.</p>
Initiator	<p><u>Definition:</u> Specifies the user who initiates a process.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ProcessID	<p><u>Definition:</u> The process definition ID for a released process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>

Name	Description
ProcessInstID	<p><u>Definition:</u></p> <p>A process instance ID for the process instance you are creating.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique, 32 character process instance ID.</p> <p>If you set this value to null, the AgilePoint Server generates the ID.</p>
ProInstName	<p><u>Definition:</u></p> <p>A unique process name that is associated with the process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique process instance name up to 1024 characters.</p>
SuperProInstID	<p><u>Definition:</u></p> <p>A process instance ID that acts as a parent process instance of the process instance that is intended to create. In other words, this is the ID of the process instance on which you want to base your new process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-character process instance ID.</p>
WorkObjID	<p><u>Definition:</u></p> <p>An ID for an object, such as a document, that is associated with the process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 256-character ID.</p>

Name	Description
	Even though the field size is 256 characters, in common practice, this will usually return a 32-character GUID.
WorkObjInfo	<p><u>Definition:</u></p> <p>Usually this parameter is used to hold supplemental information about the work object, such as a URL for a document, within the process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string up to 1024 characters.</p>

These properties are based on the class [CreateProcInstHelper](#)

## JavaScript Code Example

```
$("#btnCreateProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetUUID",
        type: "GET",
        success: function (data) {
            $("#Hidden1").val(data);
        }

        var JSONObject = {
            ProcessID: "55D6D7F802B5450D95026297ADCAD8C3",
            ProcessInstID: $("#Hidden1").val(), // "0FD3088F40B640D4AFE41AEEDBAE0004",
            ProcInstName: "Process Map Approval - " + $("#Hidden1").val(),
            WorkObjID: $("#Hidden1").val(), // "0FD3088F40B640D4AFE41AEEDBAE0004",
            WorkObjInfo: null,
            SuperProcInstID: null,
            Initiator: "demo3\\andy",
            CustomID: $("#Hidden1").val(), // "0FD3088F40B640D4AFE41AEEDBAE0004",
            Attributes: [{ Name: "test1", Value: "test123" },
                { Name: "test2", Value: "test1234"}],
            blnStartImmediately: true
        };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CreateProcInst",
        data: JSON.stringify(JSONObject)
    });
});
});
```

## Java Code Example

```
public String CreateProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateProcInst";
```

```

HTTPOperations ops = new HTTPOperations(domain, userName,
                                       password, appID, locale);

JSONObject postData = new JSONObject();

postData.put("ProcessID", "D91BE666F2044DDEAF5BD202FBBE2467");
postData.put("ProcessInstID", "P91BE666F2044DDEAF5BD202FBBE2467");
postData.put("ProcInstName", "Process Map Approval - ");
postData.put("WorkObjID", "MN1BE666F2044DDEAF5BD202FBBE2467");
postData.put("WorkObjInfo", "");
postData.put("SuperProcInstID", "");
postData.put("Initiator", "demo3\\andy");
postData.put("CustomID", "MN1BE666F2044DDEAF5BD202FBBE2467");
postData.put("Attributes", "");
postData.put("blnStartImmediately", "true");
return ops.POSTMethod(URI, postData.toString());
return "";
}

```

## C# Code Example

```

public string CreateProcInst()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/CreateProcInst";

    string jsn = "{
        \"ProcessID\": \"E357D828D30840619AEC176913107B34\",
        \"ProcessInstID\": \"4802495DCA8840EFAEE2943028EFAFEE\",
        \"ProcInstName\": \"Testmail-9B29EC6254C64769BDE19D18A876B9A5\",
        \"WorkObjID\": \"4909A27224CE41BEA2FAB52A026CBBC5\",
        \"WorkObjInfo\": \"\" + null + "\",
        \"SuperProcInstID\": \"\" + null + "\",
        \"Initiator\": \"demo3\\andy\",
        \"CustomID\": \"0FD3088F40B640D4AFE41AEEBDAE0004\",
        \"attributes\": [{\"Name\": \"Test\",
        \"Value\": \"Tom\"}],
        \"blnStartImmediately\": true}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                       password, appID, locale);

    return ops.POSTMethod(URL, jsn);
}

```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
```

```

"ActivityInstID": "",
"AutoStart": true,
"CustomAttributes": null,
"Diagnostic": true,
"EndDate": "\/Date(928149600000+0000)\/",
"Entries": 1,
"Error": null,
"EventID": "4D321D98F53040238A9E619F6D061C35",
"EventName": "CreateProcessInstance",
"HighPriority": true,
"ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEEvent>...<\WFEEvent>",
"ParentProcInstID": "",
"ProcDefID": "5990FB41783F4C7F86E3452AFD62BB8E",
"ProcInstID": "AE51C821020D4EA498E4B8A37476BA2D",
"ProcInstName": "xyz - ",
"Sender": "demo3\\administrator",
"SentDate": "\/Date(1394136973755+0000)\/",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "F891306E42D56C8D6892172210AC75D1B1588010
    CBE1DDC25B73F5FAF3150018C8E23C2E75FC94F9
    B28AAD995769C2C5 BF1C25251A18BE0A83F1D53
    45A807FBB87BED155D4D09D2C2677AD86E13018E
    28613E4EBFBEB53C90B4C428ECE625F63",
"WorkItemID": "",
"WorkObjectID": "0C5857DFAEF14655B42FF8932BA489B2",
"WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Cancel Process Instance

---

### API Type

REST

### HTTP Method

POST

### Description

Cancels the process instance based on a specified process instance identifier. This method cancels all automatic work items, manual work items, and child process instances.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/CancelProInst/\[processInstanceID\]](https://[domain]:[port]/AgilePointServer/Workflow/CancelProInst/[processInstanceID])

### URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/CancelProInst/\[processInstanceID\]](https://[domain]:[port]/AgilePointService/Workflow/CancelProInst/[processInstanceID])

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

### JavaScript Code Example

```
$("#btnCancelProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            CancelProcInst/248685A175F54C12A9A80353798B4508",
    });
});
```

### Java Code Example

```
public String CancelProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        CancelProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

### C# Code Example

```
public string CancelProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        CancelProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "B501460A104444C487DEE1B16DD1A7CF",
  "EventName": "CancelProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"355E739A362A46D5B987AEF3951DF9F5\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "355E739A362A46D5B987AEF3951DF9F5",
  "ProcInstName": "",
  "Sender": "demo3\\administrator",
  "SentDate": "\/Date(1394137494815+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Delete Process Instance

---

### API Type

REST

## HTTP Method

POST

## Description

Deletes a process instance. This method removes the specified process instance and all the associated data from the database, such as work items, email, and activity instances associated with this process instance. It may take some time to complete this transaction.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/DeleteProcInst/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/DeleteProcInst/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

## JavaScript Code Example

```
$("#btnDeleteProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            DeleteProcInst/248685A175F54C12A9A80353798B4508",
    });
});
```

## Java Code Example

```
public String DeleteProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        DeleteProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
```

```
JSONObject postData = new JSONObject();  
return ops.POSTMethod(URI, postData.toString());  
}
```

## C# Code Example

```
public string DeleteProcInst()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                DeleteProcInst/248685A175F54C12A9A80353798B4508";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Events By Process Instance ID

---

## API Type

REST

## HTTP Method

GET

## Description

Retrieves all the events that have occurred for a specified process instance.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetEventsByProInstID/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetEventsByProInstID/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

### JavaScript Code Example

```
$("#btnGetEventsByProcInstID").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetEventsByProcInstID/0FD3088F40B640D4AFE41AEEBDAE914B",
        type: "GET"
    });
});
```

### Java Code Example

```
public String GetEventsByProcInstID() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetEventsByProcInstID/0FD3088F40B640D4AFE41AEEBDAE914B";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

### C# Code Example

```
public string GetEventsByProcInstID()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetEventsByProcInstID/0FD3088F40B640D4AFE41AEEBDAE914B";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URI);
}
```

## Output

An array of [WFEvent](#) objects.

## JSON Response Body Example

```
{
  "GetEventsByProcInstIDResult": [{
    "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
    "AutoStart": true,
    "CustomAttributes": null,
    "Diagnostic": true,
    "EndDate": "\/Date(1390001063407+0000)\/",
    "Entries": 0,
    "Error": "",
    "EventID": "4858621DD6584477A663A665D03A7181",
    "EventName": "CompleteWorkItem",
    "HighPriority": false,
    "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
      <WFEvent>
        <param name=\"ProcInstID\"
          value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
        <param name=\"ActivityInstID\"
          value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \/\>
        <param name=\"WorkItemID\"
          value=\"9FA1E98B85264545A62384A57D24FFF4\" \/\>
      <\WFEvent>",
    "ParentProcInstID": "",
    "ProcDefID": "",
    "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
    "ProcInstName": "",
    "Sender": "demo3\\administrator",
    "SentDate": "\/Date(1390001063287+0000)\/",
    "SourceWorkItemID": "",
    "Status": "Processed",
    "UserID": "",
    "WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
    "WorkObjectID": "",
    "WorkObjectInfo": ""
  }]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Process Instance

---

### API Type

REST

### HTTP Method

GET

## Description

Retrieves basic information about a specified process instance.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProInst/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProInst/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

## JavaScript Code Example

```
$("#btnGetProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcInst/0FD3088F40B640D4AFE41AEEDBAE914B",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcInst/0FD3088F40B640D4AFE41AEEDBAE914B";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetProcInst/0FD3088F40B640D4AFE41AEEBDAE914B";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

WFBaseProcessInstance object that contains basic information about a process instance. It returns null if the process instance ID does not exist.

## JSON Response Body Example

```
{
  "GetProcInstResult": {
    "AppName": "MyApplication",
    "CompletedDate": "\\Date(928149600000+0000)\\/",
    "DefID": "258220E3849F4D04853F7B591B9C385E",
    "DefName": "BudgetRequestProcess",
    "DueDate": "\\Date(1390002900000+0000)\\/",
    "LastModifiedBy": "",
    "LastModifiedDate": "\\Date(1389398111977+0000)\\/",
    "LastRunningEndTime": "\\Date(928149600000+0000)\\/",
    "LastRunningStartTime": "\\Date(1394129551350+0000)\\/",
    "LastSwapDate": "\\Date(928149600000+0000)\\/",
    "ProcInitiator": "demo3\\administrator",
    "ProcInitiatorLoc": "?",
    "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
    "ProcInstName": "BudgetRequestProcess-B7F0ACFA610349B4BF10A4DAB8E93458",
    "ProcessInitiator": "demo3\\administrator",
    "ProcessInitiatorLocation": "?",
    "SourceProcInstID": "",
    "StartedDate": "\\Date(1389398112007+0000)\\/",
    "Status": "Running",
    "SuperProcInstID": "",
    "TargetProcInstID": "",
    "Version": "2.03",
    "WorkObjectID": "4B7A98C9374C4480A26D06DC67379FE3",
    "WorkObjectInfo": ""
  }
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Process Instance Attribute

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves a single attribute for a specified process instance.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProInstAttr/[processInstanceId]/[attributeName]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProInstAttr/[processInstanceId]/[attributeName]

### Request Parameters

Name	Description
processInstanceId	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>
attributeName	<p><u>Definition:</u></p> <p>The name of the process instance attribute you want.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>DefID</b> - The ID of the process definition.</li> <li>• <b>DefName</b> - The name of the process definition.</li> <li>• <b>ProInstName</b> - The name of the process instance.</li> </ul>

Name	Description
	<ul style="list-style-type: none"> <li>• <b>Status</b> - The current status of the process instance.</li> <li>• <b>SuperProcInstID</b> - The parent process instance ID.</li> <li>• <b>workObjectID</b> - The ID of the work object.</li> <li>• <b>StartDate</b> - The date and time when the process instance was started.</li> <li>• <b>DueDate</b> - The date that the process instance is expected to be complete.</li> <li>• <b>LastModifiedDate</b> - The date and time that the last modification was made to the process instance.</li> </ul>

### JavaScript Code Example

```
$("#btnGetProcInstAttr").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcInstAttr/0FD3088F40B640D4AFE41AEEBDAE914B/DueDate",
        type: "GET"
    });
});
```

### Java Code Example

```
public String GetProcInstAttr() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcInstAttr/0FD3088F40B640D4AFE41AEEBDAE914B/DueDate";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

### C# Code Example

```
public string GetProcInstAttr()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcInstAttr/0FD3088F40B640D4AFE41AEEBDAE914B/DueDate";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URI);
}
```

## Output

Returns the [KeyValue](#) for the attribute associated with the process instance as a name-value" pair.

## JSON Response Body Example

```
{
  "GetProcInstAttrResult":
  {
    "Name": "DueDate",
    "Value": "1\17\2014 3:55:00 PM"
  }
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Process Instance Attributes

---

## API Type

REST

## HTTP Method

GET

## Description

Retrieves multiple attributes of a process instance.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcInstAttrs/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProcInstAttrs/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid process instance ID

## Attributes

Name	Description
DefID	The ID of the process definition.
DefName	The name of the process definition.
ProclnName	The name of the process instance.
Status	The current status of the process instance.
SuperProclnID	The parent process instance ID.
workObjectID	The ID of the work object.
StartDate	The date and time when the process instance was started.
DueDate	The date that the process instance is expected to be complete
LastModifiedDate	The date and time that the last modification was made to the process instance.

## JavaScript Code Example

```
$("#btnGetProcInstAttrs").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcInstAttrs/0FD3088F40B640D4AFE41AEEBDAE914B",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetProcInstAttrs() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcInstAttrs/0FD3088F40B640D4AFE41AEEBDAE914B";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetProcInstAttrs()
```

```
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
              GetProcInstAttrs/0FD3088F40B640D4AFE41AEEBDAE914B";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                          password, appID, locale);

  return ops.GetData(URI);
}
```

## Output

Array of [NameValue](#) objects that holds the values of all the requested attributes.

## JSON Response Body Example

```
{
  "GetProcInstAttrsResult": [
    {
      "Name": "SourceProcInstID",
      "Value": ""
    },
    {
      "Name": "TargetProcInstID",
      "Value": ""
    },
    ...
    {
      "Name": "WorkObjectInfo",
      "Value": ""
    }
  ]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Merge Process Instances

---

## API Type

REST

## HTTP Method

POST

## Description

Merges 2 or more process instances into one process instance.

These process instances should be based on the same process definition.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/MergeProcInsts

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/MergeProcInsts

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
instruction	<p><u>Definition:</u></p> <p>Specifies the instructions for merging two process instances.</p> <p><u>Type</u></p> <p>WFProcessMergingInstruction</p> <p><u>Allowed Values:</u></p> <p>A WFProcessMergingInstruction object.</p>

## JavaScript Code Example

```
$("#btnMergeProcInsts").click(function () {
    var JSONObject = {
        MergedProcessInstance:{
            CustomAttributes:[{
                Name:"/pd:myFields/pd:username",
                Value:"Administrator"
            },
            {
                Name:"/pd:myFields/pd:dept",
                Value:"IT Admin"
            }
        ],
        ProcessInstanceID:"008493358D1A419EA7094B7A3A58929D",
        ProcessInstanceName:"ProcessMapApproval-008493358D1A419EA7094B7A3A58929D",
        WorkObjectID:"00777ED0FE3E4AB49C44E7E5EDAA9656",
        WorkObjectInfo:"00777ED0FE3E4AB49C44E7E5EDAA9656t"
    },
    MergingProcessInstanceIDs:
    ["060404057EC543A48C16FEC3F7FF8374","061761ADB EA2450A8F70538C495D9773"]
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/MergeProcInsts",
        data: JSON.stringify(JSONObject),
```

```
});
});
```

## Java Code Example

```
public String MergeProcInsts() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/MergeProcInsts";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    JSONObject customAttribute1 = new JSONObject();
    customAttribute1.put("Name", "/pd:myFields/pd:username");
    customAttribute1.put("Value", "Administrator");
    JSONObject customAttribute2 = new JSONObject();
    customAttribute2.put("Name", "/pd:myFields/pd:dept");
    customAttribute2.put("Value", "IT Admin");

    JSONArray customAttributes = new JSONArray();
    customAttributes.put(customAttribute1);

    JSONObject newProcInstanceInfo = new JSONObject();
    newProcInstanceInfo.put("CustomAttributes", customAttributes);
    newProcInstanceInfo.put("ProcessInstanceName",
        "ProcessMapApproval-008493358D1A419EA7094B7A3A58929D");
    newProcInstanceInfo.put("WorkObjectID", "00777ED0FE3E4AB49C44E7E5EDAA9656");
    newProcInstanceInfo.put("WorkObjectInfo", "00777ED0FE3E4AB49C44E7E5EDAA9656");

    JSONArray mergingProcessInstanceIDs = new JSONArray();
    mergingProcessInstanceIDs.put("060404057EC543A48C16FEC3F7FF8374");
    mergingProcessInstanceIDs.put("078404057EC543A48C16FEC3F7FF8374");

    postData.put("MergedProcessInstance", newProcInstanceInfo);
    postData.put("MergingProcessInstanceIDs", mergingProcessInstanceIDs);

    return ops.POSTMethod(URI, postData.toString());
}
return "";
```

## C# Code Example

```
public string MergeProcInsts()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/MergeProcInsts";

    string jsonRequestData = "{
        \"SplitProcessInstances\": [{
            \"CustomAttributes\": [{
                \"Name\": \"\\pd:myFields\\pd:username\",
                \"Value\": \"Administrator\"},
                {\"Name\": \"\\pd:myFields\\pd:dept\",
                \"Value\": \"IT Admin\"}],
            \"ProcessInstanceID\": \"ACD73A72D75B4746955679AF8563B2E8\",
            \"ProcessInstanceName\": \"Bond007-70B8B94C7FBE425D8FC1721FEB65785A\",
            \"WorkObjectID\": \"886BA093DBFE4FE6B1F16328DEBB921F\",
            \"WorkObjectInfo\": \"\"+ null+\"}]",
```

```

    \ "MergingProcessInstanceIDs\" : [
    \ "A586141903874C6EB0B5E45CF65B8F44\" ,
    \ "ACD73A72D75B4746955679AF8563B2E8\" ] } }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData );
}

```

## Output

The process instance ID of the merged process instance.

## JSON Response Body Example

```
"String content"
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Migrate Process Instance

---

## API Type

REST

## HTTP Method

POST

## Description

Migrates a process definition from one version to another version.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/MigrateProclnst/[processInstanceID]/[reserved]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/MigrateProclnst/[processInstanceID]/[reserved]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>
reserved	<p><u>Definition:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The literal string <b>null</b>.</p> <p>You must pass this as a literal string at this time. This field will be used for other purposes in a later release.</p>

## Request Body Properties

Name	Description
instruction	<p><u>Definition:</u></p> <p>Specifies the instructions for migrating a process to a new version.</p> <p><u>Type</u></p> <p>WFProcessMigrationInstruction</p> <p><u>Allowed Values:</u></p> <p>A WFProcessMigrationInstruction object.</p>
IncludeXmlData	<p><u>Definition:</u></p> <p>Specifies whether a migration includes XML data.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The migration includes an XML data.</li> <li>• <b>False</b> - The migration does not include an XML data.</li> </ul>
Action	<p><u>Definition:</u></p> <p>Specifies the migration action.</p> <p><u>Type</u></p>

Name	Description
	<p><a href="#">MigrationAction</a></p> <p><u>Allowed Values:</u> A valid migration action.</p>
MatchingActivityDefinition	<p><u>Definition:</u> Specifies information for activity migration.</p> <p><u>Type</u> class</p> <p><u>Allowed Values:</u> A valid class.</p>
SourceProcessDefinitionID	<p><u>Definition:</u> The ID of the original, or source, process definition.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid process definition ID.</p>
TargetProcessDefinitionID	<p><u>Definition:</u> The ID of the target, or destination, process definition.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid process definition ID.</p>

### JavaScript Code Example

```
$("#btnMigrateProcInst").click(function () {
  var JSONData = {"Action": "0",
    "IncludeXmlData": true,
    "MatchingActivityDefinitions": [{"CurrentActivated": true,
    "SourceName": "Manual.17",
    "TargetName": "Manual.17"},
    {"CurrentActivated": false,
    "SourceName": "MultipleCondition.26",
    "TargetName": "MultipleCondition.26"},
    {"CurrentActivated": false,
    "SourceName": "Manual.31",
    "TargetName": "Manual.31"}],
  };
});
```

```

    {"CurrentActivated":false,
    "SourceName":"Manual.63",
    "TargetName":"Manual.63"},
    {"CurrentActivated":false,
    "SourceName":"Email.72",
    "TargetName":"Email.72"}],
    "SourceProcessDefinitionID":"ABCCD0E07357412499AD79D58D596397",
    "TargetProcessDefinitionID":"CA204B2F3C894F058E3AEC22CA46F605"};

$.ajax({
  url: 'https://mydomain:9011/AgilePointServer/Workflow/
      MigrateProcInst/524DFF231F0547198D1D48C5EF25EF4A/null',
  data: JSON.stringify(JSONData)
});
});

```

## Java Code Example

```

public void MigrateProcInst () {
  String URI = "https://mydomain:9011/AgilePointServer/Workflow/MigrateProcInst";
  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject ();

  JSONObject activityDefinition1 = new JSONObject ();
  activityDefinition1.put ("CurrentActivated", "true");
  activityDefinition1.put ("SourceName", "Manual.17");
  activityDefinition1.put ("TargetName", "Manual.17");
  JSONObject activityDefinition2 = new JSONObject ();
  activityDefinition2.put ("CurrentActivated", "false");
  activityDefinition2.put ("SourceName", "MultipleCondition.26");
  activityDefinition2.put ("TargetName", "MultipleCondition.26");
  JSONObject activityDefinition3 = new JSONObject ();
  activityDefinition3.put ("CurrentActivated", "false");
  activityDefinition3.put ("SourceName", "MultipleCondition.26");
  activityDefinition3.put ("TargetName", "MultipleCondition.26");
  JSONObject activityDefinition4 = new JSONObject ();
  activityDefinition4.put ("CurrentActivated", "false");
  activityDefinition4.put ("SourceName", "MultipleCondition.26");
  activityDefinition4.put ("TargetName", "MultipleCondition.26");

  JSONArray activityDefinition = new JSONArray ();
  activityDefinition.put (activityDefinition1);
  activityDefinition.put (activityDefinition2);
  activityDefinition.put (activityDefinition3);
  activityDefinition.put (activityDefinition4);

  postData.put ("Action", "0");
  postData.put ("IncludeXmlData", "true");
  postData.put ("MatchingActivityDefinitions", activityDefinition);
  postData.put ("SourceProcessDefinitionID", "ABCCD0E07357412499AD79D58D596397");
  postData.put ("TargetProcessDefinitionID", "CA204B2F3C894F058E3AEC22CA46F605");

  ops.POSTMethod(URI, postData.toString());
}

```

## C# Code Example

```
public string MigrateProcInst()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                MigrateProcInst/524DFF231F0547198D1D48C5EF25EF4A/null";

    string jsonRequestdata = "{
        \"Action\":0,
        \"IncludeXmlData\":true,
        \"MatchingActivityDefinitions\":[{\"CurrentActivated\":true,
        \"SourceName\": \"Manual.17\"},
        \"TargetName\": \"Manual.17\"}],
        \"SourceProcessDefinitionID\": \"ABCCD0E07357412499AD79D58D596397\",
        \"TargetProcessDefinitionID\": \"CA204B2F3C894F058E3AEC22CA46F605\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Process Instances

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves a list of process instances that match a specified query expression. The WFQueryExpr string is used to generate a query expression, and the client application specifies the query terms.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/QueryProcInsts

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryProclnsts

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
expr	<p><u>Definition:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p><a href="#">WFQueryExprHelper</a></p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>
ColumnName	<p><u>Definition:</u></p> <p>Gets and sets the associated database column name.</p> <p><u>Type</u></p> <p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>A valid database column name.</p>
Operator	<p><u>Definition:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p><a href="#">int</a></p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>
IsValue	<p><u>Definition:</u></p>

Name	Description
	<p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - It compares a value or column of the table.</li> <li>• <b>False</b> - It does not compare a value or column of the table.</li> </ul>

### JavaScript Code Example

```

$("#btnQueryProcInsts").click(function () {
    var JSONObject = {
        ColumnName: "PROC_INITIATOR", Operator: "EQ", WhereClause: "demo3\
\brian.lucas", IsValue: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts",
        data: JSON.stringify(JSONObject)
    });
});

```

### Java Code Example

```

public String QueryProcInsts() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("ColumnName", "PROC_INITIATOR");
    postData.put("Operator", "EQ");
    postData.put("WhereClause", "DME03\\Administrator");
    postData.put("IsValue", "true");
    return ops.POSTMethod(URI, postData.toString());
}

```

### C# Code Example

```

public string QueryProcInsts()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts";
    var jsondata = "{
        \"ColumnName\": \"PROC_INITIATOR\",

```

```

    \ "Operator\": \"EQ\",
    \ "WhereClause\": \"MYDOMAIN\\\\administrator\",
    \ "IsValue\": true};

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsondata);
}

```

## Output

An array of WFBaseProcessInstance objects. It returns null if nothing matches to the query expression.

## JSON Response Body Example

```

[[{
  "AppName": "MyApplication",
  "CompletedDate": "\/Date(1385676516500+0000)\/",
  "DefID": "9D85E1670FBB46A98A9A2C042CDB02C5",
  "DefName": "e-Signature",
  "DueDate": "\/Date(1386281220000+0000)\/",
  "LastModifiedBy": "",
  "LastModifiedDate": "\/Date(1385676471207+0000)\/",
  "LastRunningEndTime": "\/Date(1385676516510+0000)\/",
  "LastRunningStartTime": "\/Date(1385676516483+0000)\/",
  "LastSwapDate": "\/Date(928149600000+0000)\/",
  "ProcInitiator": "demo3\\brian.lucas",
  "ProcInitiatorLoc": "?",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "e-Signature-3847DEA4715F4A8A830D4C9973A521E5",
  "ProcessInitiator": "demo3\\brian.lucas",
  "ProcessInitiatorLocation": "?",
  "SourceProcInstID": "",
  "StartedDate": "\/Date(1385676471217+0000)\/",
  "Status": "Completed",
  "SuperProcInstID": "",
  "TargetProcInstID": "",
  "Version": "1.23",
  "WorkObjectID": "5C56CADC7CB74C9DA596CC149834BD81",
  "WorkObjectInfo": ""
}]]

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Process Instances Using SQL

---

### API Type

REST

### HTTP Method

POST

## Description

Retrieves a list of process instance based on specified query expression.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/QueryProcInstsUsingSQL

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryProcInstsUsingSQL

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
sqlWhereClause	<p><u>Definition:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

## JavaScript Code Example

```
$("#btnQueryProcInstsUsingSQL").click(function () {
    var JSONObject = {
        sqlWhereClause: "PROC_INST_ID='0FD3088F40B640D4AFE41AEEDAE914B'"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInstsUsingSQL",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String QueryProcInstsUsingSQL() {
```

```

String URI = "https://mydomain:9011/AgilePointServer/Workflow/
QueryProcInstsUsingSQL";

HTTPOperations ops = new HTTPOperations(domain, userName,
password, appID, locale);

JSONObject postData = new JSONObject();

postData.put("sqlWhereClause",
"PROC_INST_ID='68EEEA65CC76436BB608F7DD09B4EF6E'");
return ops.POSTMethod(URI, postData.toString());
return "";
}

```

## C# Code Example

```

public string QueryProcInstsUsingSQL()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
QueryProcInstsUsingSQL";

    string jsonRequestdata = "{
    \"sqlWhereClause\": \"PROC_INST_ID='059150EB14D24F34B7AC6A570B165C46'\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}

```

## Output

A list of process instance which matches the where condition.

## JSON Response Body Example

```

[ {
  "AppName": "MyApplication",
  "CompletedDate": "\/Date(1385676516500+0000)\/",
  "DefID": "9D85E1670FBB46A98A9A2C042CDB02C5",
  "DefName": "e-Signature",
  "DueDate": "\/Date(1386281220000+0000)\/",
  "LastModifiedBy": "",
  "LastModifiedDate": "\/Date(1385676471207+0000)\/",
  "LastRunningEndTime": "\/Date(1385676516510+0000)\/",
  "LastRunningStartTime": "\/Date(1385676516483+0000)\/",
  "LastSwapDate": "\/Date(928149600000+0000)\/",
  "ProcInitiator": "demo3\brian.lucas",
  "ProcInitiatorLoc": "?",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "e-Signature-3847DEA4715F4A8A830D4C9973A521E5",
  "ProcessInitiator": "demo3\brian.lucas",
  "ProcessInitiatorLocation": "?",
  "SourceProcInstID": "",
  "StartedDate": "\/Date(1385676471217+0000)\/",
  "Status": "Completed",
  "SuperProcInstID": "",
  "TargetProcInstID": "",
  "Version": "1.23",
  "WorkObjectID": "5C56CADC7CB74C9DA596CC149834BD81",

```

```
"WorkObjectInfo": ""
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Restore Process Instance

---

### API Type

REST

### HTTP Method

POST

### Description

Restores a process instance and associated data from the ArchiveDatabase to the AgilePoint Server. The process instance records are written to the AgilePoint Database deleted from the AgilePoint Archive Database.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/RestoreProcInst/[procInstID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/RestoreProcInst/[procInstID]

### Request Parameters

Name	Description
procInstID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

### JavaScript Code Example

```
$("#btnRestoreProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            RestoreProcInst/0008D8ACD70B4D38955F0777C5433963"
```

```
});  
});
```

### Java Code Example

```
public void RestoreProcInst() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                RestoreProcInst/0008D8ACD70B4D38955F0777C5433963";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    ops.POSTMethod(URI, postData.toString());  
}
```

### C# Code Example

```
public string RestoreProcInst()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/  
                RestoreProcInst/0008D8ACD70B4D38955F0777C5433963";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URL);  
}
```

### Output

None.

### JSON Response Body Example

The response body is empty.

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Resume Process Instance

---

### API Type

REST

### HTTP Method

POST

## Description

Resumes a process instance with the specified process instance id.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/ResumeProcInst/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/ResumeProcInst/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

## JavaScript Code Example

```
$("#btnResumeProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/ResumeProcInst/248685A175F54C12A9A80353798B4508",
    });
});
```

## Java Code Example

```
public String ResumeProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/ResumeProcInst/248685A175F54C12A9A80353798B4508";
    HTTPOperations ops = new HTTPOperations(domain, userName, password, appID, locale);
    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string ResumeProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                ResumeProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

A [WFEvent](#) object that provides status of the request.

## JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "8834D110BBAA4857AD572F25B0CC291C",
  "EventName": "ResumeProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
                <WFEvent>
                  <param name=\"ProcInstID\"
                        value=\"00131C75A35046A89E32B64C4649E075\" \\/>
                  <param name=\"HighPriority\" value=\"True\" \\/>
                <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "",
  "Sender": "demo3\\administrator",
  "SentDate": "\/Date(1394143777121+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Rollback Process Instance

---

### API Type

REST

### HTTP Method

POST

### Description

Rolls a process instance back to a previous specified activity, or skips a specified activity if has not yet been completed. When this method is invoked, the current or skipped activity becomes canceled. When skipping, the process moves forward regardless of the activity's status.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/RollbackProcInst/[activityInstanceID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/RollbackProcInst/[activityInstanceID]

### Request Parameters

Name	Description
activityInstanceID	<p><u>Definition:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>

### JavaScript Code Example

```
$("#btnRollbackProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            RollbackProcInst/3E14D9BE837C47F2BA17A724508AC8CD",
    });
});
```

## Java Code Example

```
public String RollbackProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                RollbackProcInst/3E14D9BE837C47F2BA17A724508AC8CD";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string RollbackProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                RollbackProcInst/3E14D9BE837C47F2BA17A724508AC8CD";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "0F6B47906A0C4B469AC9CB9A7F2FF831",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "3A664D0A8D4B4B6AA41F7DB1D606876F",
  "EventName": "RollbackProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
                <WFEvent>
                  <param name=\"ProcInstID\"
                        value=\"00131C75A35046A89E32B64C4649E075\" \/\>
                  <param name=\"ActivityInstID\"
```

```

        value= "\"0F6B47906A0C4B469AC9CB9A7F2FF831\" \"/>
        <param name= \"HighPriority\" value= \"True\" \"/>
    </WFEvent>\",
    \"ParentProcInstID\": \"\",
    \"ProcDefID\": \"\",
    \"ProcInstID\": \"00131C75A35046A89E32B64C4649E075\",
    \"ProcInstName\": \"\",
    \"Sender\": \"demo3\\administrator\",
    \"SentDate\": \"\\/Date(1394144131068+0000)\\/\",
    \"SourceWorkItemID\": \"\",
    \"Status\": \"Sent\",
    \"UserID\": \"\",
    \"WorkItemID\": \"\",
    \"WorkObjectID\": \"\",
    \"WorkObjectInfo\": \"\"
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Split Process Instance

---

### API Type

REST

### HTTP Method

POST

### Description

Splits one process instance into 2 or more process instances. The original process is canceled.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/SplitProInst

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/SplitProInst

### Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
instruction	<p><u>Definition:</u></p> <p>Specifies the instructions for splitting a process instance.</p> <p><u>Type</u></p> <p>WFProcessSplitting</p> <p><u>Allowed Values:</u></p> <p>A WFProcessSplitting object.</p>
SplitProcessInstances	<p><u>Definition:</u></p> <p>An array of instances of the SplitProcessParameter class.</p> <p><u>Type</u></p> <p><a href="#">SplitProcessParameter</a></p> <p><u>Allowed Values:</u></p> <p>A valid SplitProcessParameter object.</p>
SplittingProcessInstanceID	<p><u>Definition:</u></p> <p>An array that includes the process instance IDs of the process instances you are splitting.</p> <p><u>Type</u></p> <p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>An array of valid process instance IDs.</p>

## JavaScript Code Example

```
$("#btnSplitProcInst").click(function () {
  var JSONObject = {
    SplitProcessInstances:[{
      CustomAttributes:[{
        Name:"/pd:myFields/pd:username",
        Value:"Administrator"
      }],
      {
        Name:"/pd:myFields/pd:dept",
        Value:"IT Admin"
      }
    ]
  }
}
```

```

    ],
    ProcessInstanceID:"008493358D1A419EA7094B7A3A58929D",
    ProcessInstanceName:"ProcessMapApproval-008493358D1A419EA7094B7A3A58929D",
    WorkObjectID:"00777ED0FE3E4AB49C44E7E5EDAA9656",
    WorkObjectInfo:"00777ED0FE3E4AB49C44E7E5EDAA9656t"
  }],
  SplittingProcessInstanceID:"060404057EC543A48C16FEC3F7FF8374"
};

$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/SplitProcInst",
  data: JSON.stringify(JSONObject),

});

});

```

## Java Code Example

```

public String SplitProcInst () {
  String URI = "https://mydomain:9011/AgilePointServer/Workflow/SplitProcInst";
  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject ();

  JSONObject customAttribute1 = new JSONObject ();
  customAttribute1.put ("Name", "/pd:myFields/pd:username");
  customAttribute1.put ("Value", "Administrator");
  JSONObject customAttribute2 = new JSONObject ();
  customAttribute2.put ("Name", "/pd:myFields/pd:dept");
  customAttribute2.put ("Value", "IT Admin");

  JSONArray customAttributes = new JSONArray ();
  customAttributes.put (customAttribute1);
  customAttributes.put (customAttribute2);

  JSONObject newProcInstanceInfo = new JSONObject ();
  newProcInstanceInfo.put ("CustomAttributes", customAttributes);

  newProcInstanceInfo.put ("ProcessInstanceID" , "008493358D1A419EA7094B7A3A58929D");
  newProcInstanceInfo.put ("ProcessInstanceName",
    "ProcessMapApproval-008493358D1A419EA7094B7A3A58929D");
  newProcInstanceInfo.put ("WorkObjectID", "00777ED0FE3E4AB49C44E7E5EDAA9656");
  newProcInstanceInfo.put ("WorkObjectInfo", "00777ED0FE3E4AB49C44E7E5EDAA9656");

  JSONArray splitProcessInstances = new JSONArray ();
  splitProcessInstances.put (newProcInstanceInfo);

  postData.put ("SplitProcessInstances", splitProcessInstances);
  postData.put ("SplittingProcessInstanceID", "060404057EC543A48C16FEC3F7FF8374");

  return ops.POSTMethod(URI, postData.toString());
  return "";
}

```

## C# Code Example

```

public string SplitProcInst ()
{

```

```

string URL = "https://mydomain:9011/AgilePointServer/Workflow/SplitProcInst";

string jsonData = "{
  \"SplitProcessInstances\": [{
    \"CustomAttributes\": [{
      \"Name\": \"\\pd:myFields\\pd:username\",
      \"Value\": \"Administrator\"},
      {\"Name\": \"\\pd:myFields\\pd:dept\",
      \"Value\": \"IT Admin\"}],
    \"ProcessInstanceID\": \"8707CAB31A0B4E65942BF10440A91EC4\",
    \"ProcessInstanceName\": \"Test007-DB2E1378A1054FB8BC7EF771B6D0CAFD\",
    \"WorkObjectID\": \"0FF438306540448D834A05C29201D1B2\",
    \"WorkObjectInfo\": \"\" + null + \"\"}],
    \"SplittingProcessInstanceID\": \"8BE789DF1FAE462CAB20CE2CA7178F4C\"}";

HTTPOperations ops=new HTTPOperations(domain, this.userName, password, appID,
locale);

return ops.POSTMethod(URL, jsonData);
}

```

## Output

A collection of strings that contain the process instance IDs for the process instances that were created from the split.

## JSON Response Body Example

```
"String content"
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Suspend Process Instance

---

## API Type

REST

## HTTP Method

POST

## Description

Suspends a process instance. The process instance status is changed to Suspended, and the statuses of all the work items (tasks) become Pending.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/SuspendProcInst/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/SuspendProcInst/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

## JavaScript Code Example

```
$("#btnSuspendProcInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            SuspendProcInst/248685A175F54C12A9A80353798B4508",
    });
});
```

## Java Code Example

```
public String SuspendProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        SuspendProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string SuspendProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        SuspendProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
}
```

```
return ops.POSTMethod(URI, "");
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\/",
  "Entries": 1,
  "Error": null,
  "EventID": "36831B3A0BB04BD0B982C67C35892CB5",
  "EventName": "SuspendProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"00131C75A35046A89E32B64C4649E075\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "",
  "Sender": "demo3\\administrator",
  "SentDate": "\\Date(1394143631596+0000)\\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Update Process Instance

---

### API Type

REST

## HTTP Method

POST

## Description

Updates attributes of a workflow process instance. The attributes that can be updated are listed in the attribute table.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/UpdateProclnst/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/UpdateProclnst/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u> Specifies the unique ID of a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process instance ID</p>

## Request Body Properties

Name	Description
attributes	<p><u>Definition:</u> Name-value pairs associated with a custom ID.</p> <p><u>Type</u> NameValue</p> <p><u>Allowed Values:</u> A valid custom ID with an associated name.</p>

## Attributes

Name	Description
ProcInstName	The name of the process instance.
DueDate	The date that the process instance is expected to be complete
workObjectID	The ID of the work object.

## JavaScript Code Example

```
$("#btnUpdateProcInst").click(function () {
    var JSONObject = { attributes: [{ Name: "PROCINSTNAME", Value: "test123" }]};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            UpdateProcInst/F05A692BBC514477BECA6586EFF90101",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String UpdateProcInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        UpdateProcInst/F05A692BBC514477BECA6586EFF90101";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postMainData = new JSONObject();

    JSONArray postArray = new JSONArray();

    String[] Name = { "PROC_INST_NAME" };
    String[] Value = { "Process Map Approval" };
    for (int i = 0; i < Name.length; i++) {
        JSONObject nameValuePair = new JSONObject();
        nameValuePair.put("Name", Name[i]);
        nameValuePair.put("Value", Value[i]);

        postArray.put(nameValuePair);
    }

    postMainData.put("attributes", postArray);
    return ops.POSTMethod(URI, postMainData.toString());
    return "";
}
```

## C# Code Example

```
public string UpdateProcInst()
{
    string jsonRequestData = "{
```

```
    \ "attributes\": [{  
      \ "Name\": \ "PROCINSTNAME\",  
      \ "Value\": \ "test123\"}] } }";  
  
    string URI = "https://mydomain:9011//AgilePointServer/Workflow/  
                UpdateProcInst/F05A692BBC514477BECA6586EFF90101";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, jsonRequestData);  
  }  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Methods for Activity Instances

---

This section describes service calls related to activity instances.

## Cancel Activity Instance

---

### API Type

REST

### HTTP Method

POST

### Description

Cancels a manual activity instance along with all manual work items associated with the specified manual activity instance ID. Note that an activity instance can be associated with one or more manual work items. Once the manual activity instance is canceled, the process instance will move forward to the next activity.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CancelActivityInst/[activityInstanceID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CancelActivityInst/[activityInstanceID]

## Request Parameters

Name	Description
activityInstanceID	<p><u>Definition:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>

### JavaScript Code Example

```
$("#btnCancelActivityInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            CancelActivityInst/3E14D9BE837C47F2BA17A724508AC8CD",
    });
});
```

### Java Code Example

```
public String CancelActivityInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        CancelActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

### C# Code Example

```
public string CancelActivityInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        CancelActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "0F6B47906A0C4B469AC9CB9A7F2FF831",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "D77D30744057465DACE447B35D609597",
  "EventName": "CancelActivityInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"00131C75A35046A89E32B64C4649E075\" \/\>
      <param name=\"ActivityInstID\"
        value=\"0F6B47906A0C4B469AC9CB9A7F2FF831\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "",
  "Sender": "demo3\\administrator",
  "SentDate": "\/Date(1394145752063+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Activity Instance

---

### API Type

REST

## HTTP Method

GET

## Description

Retrieves basic information for a specified activity instance.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetActivityInst/[activityInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetActivityInst/[activityInstanceID]

## Request Parameters

Name	Description
activityInstanceID	<p><u>Definition:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>

## JavaScript Code Example

```
$("#btnGetActivityInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetActivityInst/00005B6533CB4362A55A624C54293CD3",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetActivityInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetActivityInst/00005B6533CB4362A55A624C54293CD3";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

```
}
```

## C# Code Example

```
public string GetActivityInst()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInst/00005B6533CB4362A55A624C54293CD3";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

## Output

WFBaseActivityInstance object.

## JSON Response Body Example

```
{  
  "GetActivityInstResult":  
  {  
    "CompletedDate": "\/Date(1385676516483+0000)\/",  
    "DisplayName": "AgilePart.16",  
    "DueDate": "\/Date(1385677080000+0000)\/",  
    "ID": "0F6B47906A0C4B469AC9CB9A7F2FF831",  
    "InStack": true,  
    "Name": "AgilePart.16",  
    "Pending": false,  
    "Session": 1,  
    "StartedDate": "\/Date(1385676514640+0000)\/",  
    "TokenPos":  
    {  
      "Value": 0  
    },  
    "Tokens": 0  
  }  
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Activity Instances By Process Instance ID

---

### API Type

REST

### HTTP Method

GET

## Description

Retrieves the status of all activity instances for a specified process instance.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetActivityInstsByPIID/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetActivityInstsByPIID/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

## JavaScript Code Example

```
$("#btnGetActivityInstsByPIID").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetActivityInstsByPIID/0FD3088F40B640D4AFE41AEEDBAE914B",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetActivityInstsByPIID() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetActivityInstsByPIID/0FD3088F40B640D4AFE41AEEDBAE914B";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetActivityInstsByPIID()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetActivityInstsByPIID/0FD3088F40B640D4AFE41AEEBDAE914B";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

An array of WFBaseActivityInstance objects.

## JSON Response Body Example

```
{
  "GetActivityInstsByPIIDResult": [
    {
      "CompletedDate": "\/Date(1385676471223+0000)\/",
      "DisplayName": "START",
      "DueDate": "\/Date(928149600000+0000)\/",
      "ID": "0D9835B27E1A483EA1517ACA1296EDAD",
      "InStack": true,
      "Name": "Start",
      "Pending": false,
      "Session": 1,
      "StartedDate": "\/Date(1385676471223+0000)\/",
      "TokenPos":
      {
        "Value": 0
      },
      "Tokens": 0
    },
    {
      "CompletedDate": "\/Date(1385676516500+0000)\/",
      "DisplayName": "STOP",
      "DueDate": "\/Date(1385676516493+0000)\/",
      "ID": "5062CC033DD340F2BD36FC1D2F7F2576",
      "InStack": true,
      "Name": "Stop",
      "Pending": false,
      "Session": 1,
      "StartedDate": "\/Date(1385676516493+0000)\/",
      "TokenPos":
      {
        "Value": 0
      },
      "Tokens": 0
    }
  ]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Activity Instance Status

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves all the status of all activity instances for a specified process instance.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetActivityInstStatus/[proclnstID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetActivityInstStatus/[proclnstID]

### Request Parameters

Name	Description
proclnstID	<p><u>Definition:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

### JavaScript Code Example

```
$("#btnGetActivityInstStatus").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetActivityInstStatus/0FD3088F40B640D4AFE41AEEBDAE914B",
        type: "GET"
    });
});
```

### Java Code Example

```
public String GetActivityInstStatus () {
```

```
String URI = "https://mydomain:9011/AgilePointServer/Workflow/
             GetActivityInstStatus/0FD3088F40B640D4AFE41AEEDBAE914B";

HTTPOperations ops = new HTTPOperations(domain, userName,
                                         password, appID, locale);

return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetActivityInstStatus ()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetActivityInstStatus/0FD3088F40B640D4AFE41AEEDBAE914B";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                             password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

An array of [KeyValue](#) objects that holds pairs of activity definition names and statuses. The statuses can be Passed, Active, Pending, Activated, Canceled, or null.

## JSON Response Body Example

```
{
  "GetActivityInstStatusResult": [
    {
      "Key": "Start",
      "Value": "Passed"
    },
    {
      "Key": "Stop",
      "Value": "Passed"
    }
  ]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Activity Instances

---

### API Type

REST

### HTTP Method

POST

## Description

Retrieves activity instances that match a query expression.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/QueryActivityInsts

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryActivityInsts

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
expr	<p><u>Definition:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p><a href="#">WFQueryExprHelper</a></p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>
ColumnName	<p><u>Definition:</u></p> <p>Gets and sets the associated database column name.</p> <p><u>Type</u></p> <p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>A valid database column name.</p>
Operator	<p><u>Definition:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p><a href="#">int</a></p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A valid operator.</p>
IsValue	<p><u>Definition:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - It compares a value or column of the table.</li> <li>• <b>False</b> - It does not compare a value or column of the table.</li> </ul>

### JavaScript Code Example

```
$("#btnQueryActivityInsts").click(function () {
    var JSONObject = {
        ColumnName: "ID", Operator: "EQ", WhereClause:
        "0D9835B27E1A483EA1517ACA1296EDAD",
        IsValue: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String QueryActivityInsts() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("ColumnName", "ID");
    postData.put("Operator", "EQ");
    postData.put("WhereClause", "0D9835B27E1A483EA1517ACA1296EDAD");
    postData.put("IsValue", "true");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string QueryActivityInsts ()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
QueryActivityInsts";

    string jsonRequestData = "{
        \"ColumnName\": \"ID\",
        \"Operator\": \"EQ\",
        \"WhereClause\": \"0D9835B27E1A483EA1517ACA1296EDAD\",
        \"IsValue\": true}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

An array of WFBaseActivityInstance objects.

## JSON Response Body Example

```
[{
  "CompletedDate": "\/Date(1385676471223+0000)\/",
  "DisplayName": "START",
  "DueDate": "\/Date(928149600000+0000)\/",
  "ID": "0D9835B27E1A483EA1517ACA1296EDAD",
  "InStack": true,
  "Name": "Start",
  "Pending": false,
  "Session": 1,
  "StartedDate": "\/Date(1385676471223+0000)\/",
  "TokenPos":
  {
    "Value": 0
  },
  "Tokens": 0
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Activity Instances in Xml Format

---

### API Type

REST

### HTTP Method

POST

## Description

Retrieves activity instances that match a query expression in xml format.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/QueryActivityInsts/[expr]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryActivityInsts/[expr]

## Request Parameters

Name	Description
expr	<p><u>Definition:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p><a href="#">WFQueryExpr</a></p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>

## JavaScript Code Example

```
$("#btnQueryActivityInstsXml").click(function () {
    var JSONObject = "<
        WFQueryExprHelper xmlns=\"https://schemas.datacontract.org/2004/07/
Ascentn.AgilePoint.WCFService\">
        <ColumnName>ID</ColumnName><IsValue>>true</IsValue>
        <Operator>EQ</Operator><WhereClause>00005B6533CB4362A55A624C54293CD3
        </WhereClause></WFQueryExprHelper>";

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts",
        data: JSONObject, contentType: "application/xml", dataType: "xml"
    });
});
```

## Java Code Example

```
public String QueryActivityInstsXML() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
QueryActivityInsts";
    String xmlRequestData = "
        <WFQueryExprHelper xmlns=\"https://schemas.datacontract.org/2004/07/
Ascentn.AgilePoint.WCFService\">
```

```

    <ColumnName>ID<\\ColumnName>
    <IsValue>true<\\IsValue>
    <Operator>EQ<\\Operator>
    <WhereClause>00005B6533CB4362A55A624C54293CD3<\\WhereClause>
    <\\WFQueryExprHelper>";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.POSTMethodXML(URI, xmlRequestData);
}

```

## C# Code Example

```

public string QueryActivityInstsXML()
{
    string xmlRequestData = "
        <WFQueryExprHelper xmlns=\"https://\\/\schemas.datacontract.org\\/\2004\\/\07\
        \\Ascentn.AgilePoint.WCFService\">
        <ColumnName>ID<\\/\ColumnName>
        <IsValue>true<\\/\IsValue>
        <Operator>EQ<\\/\Operator>
        <WhereClause>00005B6533CB4362A55A624C54293CD3<\\/\WhereClause>
        <\\/\WFQueryExprHelper>";

    string URI="https://mydomain:9011/AgilePointServer/Workflow/
    QueryActivityInsts";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.PostXml(URI, xmlRequestData);
}

```

## Output

An array of WFBaseActivityInstance objects.

## JSON Response Body Example

On hold due to didn't get JSON response code.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Rollback Activity Instance

---

### API Type

REST

### HTTP Method

POST

## Description

Rolls back a manual activity instance to the token position EN – that is, the state where the activity is entered. All work items associated with the manual activity instance with the status of NEW, OVERDUE, or ASSIGNED are canceled.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/RollbackActivityInst/[activityInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/RollbackActivityInst/[activityInstanceID]

## Request Parameters

Name	Description
activityInstanceID	<p><u>Definition:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>

## JavaScript Code Example

```
$("#btnRollbackActivityInst").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            RollbackActivityInst/3E14D9BE837C47F2BA17A724508AC8CD",
    });
});
```

## Java Code Example

```
public String RollbackActivityInst() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        RollbackActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string RollbackActivityInst ()
{
    string URI="https://mydomain:9011/AgilePointServer/Workflow/
                RollbackActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

**WFEvent** object that provides the status of the transaction. Possible statuses are Success, Failed, and Sent.

## JSON Response Body Example

```
{
  "ActivityInstID": "0F6B47906A0C4B469AC9CB9A7F2FF831",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\/",
  "Entries": 1,
  "Error": null,
  "EventID": "0F7FAC43DF6842D1BDAA74234EBD4832",
  "EventName": "RollbackActivityInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version='1.0' encoding='utf-8'?>
    <WFEvent>
      <param name='ProcInstID'
        value='00131C75A35046A89E32B64C4649E075' \\/>
      <param name='ActivityInstID'
        value='0F6B47906A0C4B469AC9CB9A7F2FF831' \\/>
      <param name='HighPriority' value='True' \\/>
    <\/WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "",
  "Sender": "demo3\\administrator",
  "SentDate": "\\Date(1394145620490+0000)\\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Rollback Activity Instances

---

### API Type

REST

### HTTP Method

POST

### Description

Rolls back a process instance according to a specified instruction. The class `WFPartialRollbackInstruction` is used to specify detailed information about the instruction.

### URL Format (On Premises)

`https://[domain]:[port]/AgilePointServer/Workflow/RollbackActivityInsts`

### URL Format (AgilePoint for Azure)

`https://[domain]:[port]/AgilePointService/Workflow/RollbackActivityInsts`

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
instruction	<p><u>Definition:</u></p> <p>Specifies the instructions for the partial rollback.</p> <p><u>Type</u></p> <p>WFPartialRollbackInstruction</p> <p><u>Allowed Values:</u></p> <p>A WFPartialRollbackInstruction object.</p>

### JavaScript Code Example

```
$("#btnRollbackActivityInsts").click(function () {
  var JSONData = {"PartialRollbackUnits":
```

```

    [{"DestinationActivityInstanceID":"DF93620D4ED14458B60857C4EA862702",
     "SourceActivityInstanceIDs":["575CB3B3C2EB495B884B0AD1505D4E0A"]}
    ]};

$.ajax({
  url: 'https://mydomain:9011/AgilePointServer/Workflow/RollbackActivityInsts',
  data: JSON.stringify(JSONData)
});
});

```

## Java Code Example

```

public String RollbackActivityInsts() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
RollbackActivityInsts";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    JSONArray ids = new JSONArray();
    ids.put("575CB3B3C2EB495B884B0AD1505D4E0A");

    JSONObject data = new JSONObject();
    data.put("DestinationActivityInstanceID", "DF93620D4ED14458B60857C4EA862702");
    data.put("SourceActivityInstanceIDs", ids);

    JSONArray partialRollbackUnits = new JSONArray();
    partialRollbackUnits.put(data);

    postData.append("PartialRollbackUnits", partialRollbackUnits);

    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

## C# Code Example

```

public string RollbackActivityInsts()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
RollbackActivityInsts";

    string jsonRequestData = "{
    \"PartialRollbackUnits\": [{
    \"DestinationActivityInstanceID\": \"DF93620D4ED14458B60857C4EA862702\",
    \"SourceActivityInstanceIDs\": [
    \"575CB3B3C2EB495B884B0AD1505D4E0A\" ] } ] }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID":"String content",
  "AutoStart":true,
  "CustomAttributes":[{"
    "Name":"String content",
    "Value":{"
      "NameValue":{"
        "Name":"String content",
        "Value":{"
          "NameValue":null
        }
      }
    }
  }
  ],
  "Diagnostic":true,
  "EndDate":"\\/Date(928149600000+0000)\\/",
  "Entries":2147483647,
  "Error":"String content",
  "EventID":"String content",
  "EventName":"String content",
  "HighPriority":true,
  "ParamsXml":"String content",
  "ParentProcInstID":"String content",
  "ProcDefID":"String content",
  "ProcInstID":"String content",
  "ProcInstName":"String content",
  "Sender":"String content",
  "SentDate":"\\/Date(928149600000+0000)\\/",
  "SourceWorkItemID":"String content",
  "Status":"String content",
  "TenantID":"String content",
  "UserID":"String content",
  "WorkItemID":"String content",
  "WorkObjectID":"String content",
  "WorkObjectInfo":"String content"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Methods for Manual Work Items (Tasks)

This section describes service calls related to manual work items (tasks).

## Activate Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Activates a work item.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/ActivateWorkItem/[workItemID]/[activate]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/ActivateWorkItem/[workItemID]/[activate]

### Request Parameters

Name	Description
workItemID	<p><u>Definition:</u> An ID that represents a work item (task).</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.</p>
activate	<p><u>Definition:</u> Activates or inactivate a work item.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Activates the work item.</li> <li>• <b>False</b> - Inactivates the work item.</li> </ul>

## Request Body Properties

Name	Description
clientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

### JavaScript Code Example

```
$("#btnActivateWorkItem").click(function () {
    var JSONObject = {
        clientData: ""
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/ActivateWorkItem/CFF4B6D3DBF546A2B0423AD413A94420/True",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String ActivateWorkItem() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/ActivateWorkItem/CFF4B6D3DBF546A2B0423AD413A94420/true";

    HTTPOperations ops = new HTTPOperations(domain, userName, password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("clientData", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string ActivateWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/ActivateWorkItem/CFF4B6D3DBF546A2B0423AD413A94420/True";
```

```

string jsonRequestData = "{\\"clientData\\":\\" + " + "\\"}";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

**WFEvent** class that represents the workflow event instance that is created when the task is assigned.

## JSON Response Body Example

```

{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "A5CA2ADC2BAF4064ABC1EF3E63760093",
  "EventName": "ActivateWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \\/>
      <param name=\"ActivityInstID\"
        value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
      <param name=\"ID\" value=\"True\" \\/>
      <param name=\"WorkItemID\"
        value=\"2AA1E203047B41F29E3E29F62D00903B\" \\/>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
  "ProcInstName": "",
  "Sender": "demo3\\administrator",
  "SentDate": "\/Date(1394147396783+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Assign Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Assigns a work item to a user, which often means claiming a work item for oneself. This is often used with task pools where work items are created, and then multiple users are notified, but the work item is not immediately assigned to a user. A user then claims the work item, or his manager assigns it to him. The user must have privileges to claim or assign the work item.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/AssignWorkItem/[workItemID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/AssignWorkItem/[workItemID]

### Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

### Request Body Properties

Name	Description
clientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p>

Name	Description
	<p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

### JavaScript Code Example

```

$("#btnAssignWorkItem").click(function () {

    var JSONObject = { clientData: null };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            AssignWorkItem/D4751D6380F141A4AC89AF6820B988D5",
        data: JSON.stringify(JSONObject)
    });

});

```

### Java Code Example

```

public String AssignWorkItem() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        AssignWorkItem/D4751D6380F141A4AC89AF6820B988D5";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("clientData", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

### C# Code Example

```

public string AssignWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        AssignWorkItem/D4751D6380F141A4AC89AF6820B988D5";

    string jsonRequestData = "{\"clientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

**WFEvent** class that represents the workflow event instance that is created when the task is assigned.

### JSON Response Body Example

```
{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "25B6221C3F06459A803382485CEE0101",
  "EventName": "AssignWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
      <param name=\"ActivityInstID\"
        value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
      <param name=\"WorkItemID\"
        value=\"2AA1E203047B41F29E3E29F62D00903B\" \/\>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
  "ProcInstName": "",
  "Sender": "demo3\\administrator",
  "SentDate": "\/Date(1394147826010+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Cancel Work Item

---

### API Type

REST

### HTTP Method

POST

## Description

Cancels a manual work item based on a specified manual work item identifier. Only the following manual work item status can transition to a Canceled status: Assigned, New, Pseudo, and Overdue.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CancelWorkItem/[workItemID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CancelWorkItem/[workItemID]

## Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

## Request Body Properties

Name	Description
clientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

## JavaScript Code Example

```
$("#btnCancelWorkItem").click(function () {
```

```

var JSONObject = { clientData: null };

$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
      CancelWorkItem/BBD9BF28AA4C43AC956636E9288F3E6E",
  data: JSON.stringify(JSONObject)
});
});

```

## Java Code Example

```

public String CancelWorkItem() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
      CancelWorkItem/BBD9BF28AA4C43AC956636E9288F3E6E";

  HTTPOperations ops = new HTTPOperations(domain, userName,
      password, appID, locale);

  JSONObject postData = new JSONObject();

  postData.put("clientData", "");
  return ops.POSTMethod(URI, postData.toString());
  return "";
}

```

## C# Code Example

```

public string CancelWorkItem()
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
      CancelWorkItem/BBD9BF28AA4C43AC956636E9288F3E6E";

  string jsonRequestData = "{\"clientData\": \"\" + null + \"\"}";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
      password, appID, locale);

  return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```

{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",

```

```

"AutoStart": true,
"CustomAttributes": null,
"Diagnostic": true,
"EndDate": "\/Date(928149600000+0000)\/",
"Entries": 1,
"Error": null,
"EventID": "039994C7DDC34732A2A1125C6BC90A58",
"EventName": "CancelWorkItem",
"HighPriority": true,
"ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <WFEEvent>
    <param name=\"ProcInstID\"
      value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
    <param name=\"ActivityInstID\"
      value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \/\>
    <param name=\"HighPriority\" value=\"True\" \/\>
    <param name=\"WorkItemID\"
      value=\"2AA1E203047B41F29E3E29F62D00903B\" \/\>
  <\WFEEvent>\",
"ParentProcInstID": "",
"ProcDefID": "",
"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "",
"Sender": "demo3\\administrator",
"SentDate": "\/Date(1394147189772+0000)\/",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "",
"WorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
"WorkObjectID": "",
"WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Complete Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Marks a work item as completed.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/CompleteWorkItem/\[workItemID\]](https://[domain]:[port]/AgilePointServer/Workflow/CompleteWorkItem/[workItemID])

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CompleteWorkItem/[workItemID]

### Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

### Request Body Properties

Name	Description
clientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

### JavaScript Code Example

```
$("#btnCompleteWorkItem").click(function () {
    var JSONObject = { clientData: null };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            CompleteWorkItem/C9B01E350C65473F9D37C895608E9C7A",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String CompleteWorkItem() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteWorkItem/C9B01E350C65473F9D37C895608E9C7A";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("clientData", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string CompleteWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteWorkItem/C9B01E350C65473F9D37C895608E9C7A";

    string jsonRequestData = "{\"clientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "21142758708B4BCF891459E2F8A6E84F",
  "EventName": "CompleteWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>"
}
```

```
<WFEvent>
  <param name=\"ProcInstID\"
    value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/>
  <param name=\"ActivityInstID\"
    value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \/>
  <param name=\"HighPriority\" value=\"True\" \/>
  <param name=\"WorkItemID\"
    value=\"B246A848619D4116B782F8584C52636D\" \/>
</WFEvent>\",
\"ParentProcInstID\": \"\",
\"ProcDefID\": \"\",
\"ProcInstID\": \"B7F0ACFA610349B4BF10A4DAB8E93458\",
\"ProcInstName\": \"\",
\"Sender\": \"demo3\\administrator\",
\"SentDate\": \"\\/Date(1394148009109+0000)\\/\",
\"SourceWorkItemID\": \"\",
\"Status\": \"Sent\",
\"UserID\": \"\",
\"WorkItemID\": \"B246A848619D4116B782F8584C52636D\",
\"WorkObjectID\": \"\",
\"WorkObjectInfo\": \"\"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Create Linked Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Creates a manual work item that is linked to another manual work item. The work item you create does not depend on the completion of the work item to which it is linked. In other words, the original (source) work item can be marked as completed before new work item is completed.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/CreateLinkedWorkItem](https://[domain]:[port]/AgilePointServer/Workflow/CreateLinkedWorkItem)

### URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/CreateLinkedWorkItem](https://[domain]:[port]/AgilePointService/Workflow/CreateLinkedWorkItem)

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
bDependent	<p><u>Definition:</u></p> <p>Specifies whether the target work item waits for a linked work item to be completed or canceled before moving forward.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The source work item waits until the linked work item is either completed or canceled, before it can be completed or canceled.</li> <li>• <b>False</b> - The source work item can be completed or canceled regardless of whether the linked work item is completed or canceled.</li> </ul>
BusinessTime	<p><u>Definition:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The system calculates duration using business time.</li> <li>• <b>False</b> - The calculates the duration based on real time.</li> </ul>
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Definition:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid time duration length.</p>
SourceWorkItemID	<p><u>Definition:</u></p> <p>An ID that represents the original, or source, work item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-character ID.</p>
Unit	<p><u>Definition:</u></p> <p>Specifies the unit.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid unit.</p>
UserID	<p><u>Definition:</u></p> <p>Specifies the user ID.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user ID.</p>
WorkToPerform	<p><u>Definition:</u></p>

Name	Description
	<p>Represents the task that performed by the participants of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid work to perform name.</p>

These properties are based on the class [CreateLinkedWorkItemHelper](#)

### JavaScript Code Example

```
$("#btnCreateLinkedWorkItem").click(function () {
    var JSONObject = {
        SourceWorkItemID: "0E11FFE63E594128B662CD27A259E4B3",
        WorkToPerform: "Test123",
        UserID: "demo3\\susan.miller",
        Length: "2",
        Unit: "DAY",
        BusinessTime:true,
        bDependent: true,
        ClientData: null
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CreateLinkedWorkItem",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String CreateLinkedWorkItem() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
CreateLinkedWorkItem";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("SourceWorkItemID", "0E11FFE63E594128B662CD27A259E4B3");
    postData.put("WorkToPerform", "New WorkItem");
    postData.put("UserID", "demo3\\susan.miller");
    postData.put("Length", "2");
    postData.put("Unit", "DAY");
    postData.put("BusinessTime", "true");
    postData.put("bDependent", "true");
    postData.put("ClientData", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string CreateLinkedWorkItem()
{
    string jsonRequestData = "{
        \"SourceWorkItemID\": \"0E11FFE63E594128B662CD27A259E4B3\",
        \"WorkToPerform\": \"CreateLinkedWorkItem\",
        \"UserID\": \"demo3\\\\\\\\brian.lucas\",
        \"Length\": \"2\",
        \"Unit\": \"DAY\",
        \"BusinessTime\": \"true\",
        \"bDependent\": \"true\",
        \"ClientData\": \"\" + null + \"\"}";

    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
CreateLinkedWorkItem";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\/",
  "Entries": 1,
  "Error": null,
  "EventID": "572215CBEA884B7890259879C21FAC42",
  "EventName": "CreateWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ExpectedTime\" value=\"2 Day(s) (business time)\" \\/>
    >
      <param name=\"workPerformer\" value=\"Revise\" \\/>
      <param name=\"SourceWorkItemID\"
        value=\"2AA1E203047B41F29E3E29F62D00903B\" \\/>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \\/>
      <param name=\"UserID\" value=\"demo3\\\\administrator\" \\/>
      <param name=\"ActivityInstID\"
```

```

        value="\0DB05C1A1BAB445895CCF46E096AECDD\" \/>
        <param name="\waitWorkPerformed\" value="\True\" \/>
        <param name="\HighPriority\" value="\True\" \/>
        <param name="\Carbon\" value="\False\" \/>
        <param name="\WorkItemID\"
            value="\CE4265BC8CA944F885446962D0463974\" \/>
        </WFEEvent>",
    "ParentProcInstID": "",
    "ProcDefID": "",
    "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
    "ProcInstName": "",
    "Sender": "demo3\\administrator",
    "SentDate": "\/Date(1394148475011+0000)\/",
    "SourceWorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
    "Status": "Sent",
    "UserID": "demo3\\administrator",
    "WorkItemID": "CE4265BC8CA944F885446962D0463974",
    "WorkObjectID": "",
    "WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Create Pseudo Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Creates a task by a specific AgileWork or other module that has the following characteristics:

- It does not have to be completed in order for a process to advance to the next steps.
- Unless specifically canceled, it remains active through the duration of the entire process, not just the duration of the AgileWork or other module that created it.

This provides a way for tasks to be included in a user's or manager's task list purely for monitoring purposes.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/CreatePseudoWorkItem](https://[domain]:[port]/AgilePointServer/Workflow/CreatePseudoWorkItem)

### URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/CreatePseudoWorkItem](https://[domain]:[port]/AgilePointService/Workflow/CreatePseudoWorkItem)

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
bReserved	<p><u>Definition:</u> Reserved for future use.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u> A null value</p>
BusinessTime	<p><u>Definition:</u> Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The system calculates duration using business time.</li> <li>• <b>False</b> - The calculates the duration based on real time.</li> </ul>
ClientData	<p><u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that contains the client data. If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

Name	Description
Length	<p><u>Definition:</u> Specifies the length of time duration.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time duration length.</p>
SourceWorkItemID	<p><u>Definition:</u> An ID that represents the original, or source, work item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character ID.</p>
Unit	<p><u>Definition:</u> Specifies the unit.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid unit.</p>
UserID	<p><u>Definition:</u> Specifies the user ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user ID.</p>
WorkToPerform	<p><u>Definition:</u> Represents the task that performed by the participants of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid work to perform name.

These properties are based on the class [CreatePseudoWorkItemHelper](#)

## JavaScript Code Example

```
$("#btnCreatePseudoWorkItem").click(function () {

    var JSONObject = {
        SourceWorkItemID: "2AA1E203047B41F29E3E29F62D00903B",
        WorkToPerform: "Test1234",
        UserID: "demo3\\brian.lucas",
        Length: "2",
        Unit: "DAY",
        BusinessTime:true,
        bReserved: true,
        ClientData: null
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CreatePseudoWorkItem",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String CreatePseudoWorkItem() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
CreatePseudoWorkItem";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("SourceWorkItemID", "2AA1E203047B41F29E3E29F62D00903B");
    postData.put("WorkToPerform", "New WorkItem");
    postData.put("UserID", "demo3\\susan.miller");
    postData.put("Length", "2");
    postData.put("Unit", "DAY");
    postData.put("BusinessTime", "true");
    postData.put("bDependent", "true");
    postData.put("ClientData", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string btnCreatePseudoWorkItem()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
CreatePseudoWorkItem";

    string jsonRequestData = "{
```

```

    \"SourceWorkItemID\": \"2AA1E203047B41F29E3E29F62D00903B\",
    \"WorkToPerform\": \"Test1234\",
    \"UserID\": \"ap2\\administrator\",
    \"Length\": \"2\",
    \"Unit\": \"DAY\",
    \"BusinessTime\": \"true\",
    \"bReserved\": \"true\",
    \"ClientData\": \"\" + null + \"\"};

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}

```

## Output

**WFEEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```

{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "572215CBEA884B7890259879C21FAC42",
  "EventName": "CreateWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEEvent>
      <param name=\"ExpectedTime\"
        value=\"2 Day(s) (business time)\" \/\>
      <param name=\"workPerformer\" value=\"Revise\" \/\>
      <param name=\"SourceWorkItemID\"
        value=\"2AA1E203047B41F29E3E29F62D00903B\" \/\>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
      <param name=\"UserID\" value=\"demo3\\brian.lucas\" \/\>
      <param name=\"ActivityInstID\"
        value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \/\>
      <param name=\"waitWorkPerformed\" value=\"True\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
      <param name=\"Carbon\" value=\"False\" \/\>
      <param name=\"WorkItemID\"
        value=\"CE4265BC8CA944F885446962D0463974\" \/\>
    <\WFEEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",

```

```

"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "",
"Sender": "demo3\\brian.lucas",
"SentDate": "\/Date(1394148475011+0000)\/",
"SourceWorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
"Status": "Sent",
"UserID": "demo3\\brian.lucas",
"WorkItemID": "CE4265BC8CA944F885446962D0463974",
"WorkObjectID": "",
"WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Create Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Creates a manual work item.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/CreateWorkItem](https://[domain]:[port]/AgilePointServer/Workflow/CreateWorkItem)

### URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/CreateWorkItem](https://[domain]:[port]/AgilePointService/Workflow/CreateWorkItem)

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
ActivityInstanceID	<u>Definition:</u> The unique ID for an activity instance.

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>
BusinessTime	<p><u>Definition:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The system calculates duration using business time.</li> <li>• <b>False</b> - The calculates the duration based on real time.</li> </ul>
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Definition:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid time duration length.</p>
Unit	<p><u>Definition:</u></p> <p>Specifies the unit.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> A valid unit.
UserID	<u>Definition:</u> Specifies the user associated with the work item.  <u>Type</u> string  <u>Allowed Values:</u> A valid user ID.
WorkToPerform	<u>Definition:</u> Represents the task that performed by the participants of the activity.  <u>Type</u> string  <u>Allowed Values:</u> A valid work to perform name.

These properties are based on the class [CreateWorkItemHelper](#)

### JavaScript Code Example

```
$("#btnCreateWorkItem").click(function () {
    var JSONObject = {
        ActivityInstanceID: "0DB05C1A1BAB445895CCF46E096AECDD",
        WorkToPerform: "Test",
        UserID: "demo3\\brian.lucas",
        Length: "2",
        Unit: "DAY",
        BusinessTime:true,
        ClientData: null
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String CreateWorkItem() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem";
    HTTPOperations ops = new HTTPOperations(domain, userName,
```

```

        password, appID, locale);

JSONObject postData = new JSONObject();

postData.put("ActivityInstanceID",
    "0E11FFE63E594128B662CD27A259E4B3");
postData.put("SourceWorkItemID", "0E11FFE63E594128B662CD27A259E4B3");
postData.put("WorkToPerform", "New WorkItem");
postData.put("UserID", "demo3\\susan.miller");
postData.put("Length", "2");
postData.put("Unit", "DAY");
postData.put("BusinessTime", "true");
postData.put("bDependent", "true");
postData.put("ClientData", "");
return ops.POSTMethod(URI, postData.toString());
return "";
}

```

## C# Code Example

```

public string CreateWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem";

    string jsonRequestData = "{
        \"SourceWorkItemID\": \"E48644178C514A95AB457F00A35F1550\",
        \"WorkToPerform\": \"Test123\",
        \"UserID\": \"MYDOMAIN\\administrator\",
        \"Length\": \"2\",
        \"Unit\": \"DAY\",
        \"BusinessTime\": \"true\",
        \"bDependent\": \"\"+true+\"\",
        \"ClientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

[WFEvent](#) object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```

{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(1394148914232+0000)\/",

```

```

"Entries": 1,
"Error": null,
"EventID": "B7A7115262B6491CB8809E6AFF31E640",
"EventName": "CreateWorkItem",
"HighPriority": true,
"ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <WFEEvent>
    <param name=\"ExpectedTime\"
      value=\"2 Day(s) (business time)\" \\/>
    <param name=\"HighPriority\" value=\"True\" \\/>
    <param name=\"ActivityInstID\"
      value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \\/>
    <param name=\"ProcInstID\"
      value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \\/>
    <param name=\"UserID\" value=\"demo3\\brian.lucas\" \\/>
    <param name=\"waitWorkPerformed\" value=\"False\" \\/>
    <param name=\"workPerformer\" value=\"Test\" \\/>
    <param name=\"Carbon\" value=\"False\" \\/>
    <param name=\"WorkItemID\"
      value=\"D02F4ADD314B46DF91CE32D42B3190CB\" \\/>
  <\/WFEEvent>",
"ParentProcInstID": "",
"ProcDefID": "",
"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "",
"Sender": "demo3\\administrator",
"SentDate": "\\Date(1394148914227+0000)\/",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "demo3\\brian.lucas",
"WorkItemID": "D02F4ADD314B46DF91CE32D42B3190CB",
"WorkObjectID": "",
"WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Work Item

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the manual work item object for a specified ID.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/GetWorkItem/\[workItemID\]](https://[domain]:[port]/AgilePointServer/Workflow/GetWorkItem/[workItemID])

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetWorkItem/[workItemID]

## Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

## JavaScript Code Example

```
$("#btnGetWorkItem").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetWorkItem/00634B57AC4A4DAA90DFB998D889A820",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetWorkItem() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetWorkItem/00634B57AC4A4DAA90DFB998D889A820";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetWorkItem/00634B57AC4A4DAA90DFB998D889A820";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URI);
}
```

```
}

```

## Output

WFManualWorkItem object.

## JSON Response Body Example

```
{
  "GetWorkItemResult":
  {
    "ActivatedDate": "\\Date(1394147363103+0000)\\/",
    "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
    "App1Name": "MyApplication",
    "AssignedDate": "\\Date(1390001063537+0000)\\/",
    "BeingProcessed": false,
    "CancelledDate": "\\Date(1394147189803+0000)\\/",
    "ClientData": "",
    "CompletedDate": "\\Date(928149600000+0000)\\/",
    "CreatedDate": "\\Date(1390001063537+0000)\\/",
    "DefName": "BudgetRequestProcess",
    "DisplayName": "Revise",
    "DueDate": "\\Date(1390087440000+0000)\\/",
    "DueHandled": true,
    "LastModifiedBy": "demo3\\administrator",
    "LastModifiedDate": "\\Date(1394147363107+0000)\\/",
    "Name": "Revise",
    "OriginalUserID": "demo3\\administrator",
    "Pending": false,
    "PoolID": "",
    "PoolInfo": "",
    "Priority": "Normal",
    "ProcDefID": "258220E3849F4D04853F7B591B9C385E",
    "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
    "ProcInstName": "BudgetRequestProcess-B7F0ACFA610349B4BF10A4DAB8E93458",
    "ResolveParticipant": "",
    "RestrictionType": " ",
    "Session": 1,
    "SourceWorkItemID": "",
    "Status": "Cancelled",
    "UserID": "demo3\\administrator",
    "WaitWorkPerformed": true,
    "WorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
    "WorkObjectID": "4B7A98C9374C4480A26D06DC67379FE3"
  }
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Work List By User ID

---

### API Type

REST

## HTTP Method

POST

## Description

Retrieves a work item collection by specifying a user name and work item status.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetWorkListByUserID

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetWorkListByUserID

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
Status	<p><u>Definition:</u></p> <p>The status of the work item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>New</b> - The work item is in a pool, more than one participant shares the work item and needs to be assigned.</li> <li>• <b>Assigned</b> - The work item is assigned to a participant and needs to be performed.</li> <li>• <b>Removed</b> - The work item was originally in a pool (status is new), and didn't get assigned to the user.</li> <li>• <b>Completed</b> - The work item is completed.</li> <li>• <b>Reassigned</b> - The work item is re-assigned to the other user.</li> <li>• <b>Canceled</b> - The work item is canceled.</li> <li>• <b>Overdue</b> - The work item is overdue.</li> </ul>

Name	Description
	<ul style="list-style-type: none"> <li>• <b>Carbon</b> - The work item is a carbon copy that does not affect process instance running.</li> </ul>
UserName	<p><u>Definition:</u></p> <p>Specifies a qualified user name of the instance. A qualified user name formats as [Domain Name]\[Logon Username] or [Local host name]\[Logon Username].</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

These properties are based on the class [GetWorkListByUserIDHelper](#)

### JavaScript Code Example

```
$("#btnGetWorkListByUserID").click(function () {
    var JSONObject = {
        UserName: "demo3\\brian.lucas",
        Status: "Completed"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetWorkListByUserID",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String GetWorkListByUserID() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetWorkListByUserID";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("UserName", "demo3\\brian.lucas");
    postData.put("Status", "Completed");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string GetWorkListByUserID()
{
```

```

    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
GetWorkListByUserID";

    string jsonRequestData = "{
    \"userName\": \"\" + \"demo3\\\\brian.lucasr\" + \"\",
    \"Status\": \"\" + \"Completed\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

Array of WFManualWorkItem objects.

## JSON Response Body Example

```

[[{
  "ActivatedDate": "\/Date(928149600000+0000)\/",
  "ActivityInstID": "064046C009DC4F5583509D8189F3B771",
  "ApplName": "MyApplication",
  "AssignedDate": "\/Date(1389318661983+0000)\/",
  "BeingProcessed": false,
  "CancelledDate": "\/Date(1389319005427+0000)\/",
  "ClientData": "",
  "CompletedDate": "\/Date(928149600000+0000)\/",
  "CreatedDate": "\/Date(1389318661983+0000)\/",
  "DefName": "BudgetRequestProcess",
  "DisplayName": "Manager Approval",
  "DueDate": "\/Date(1389405060000+0000)\/",
  "DueHandled": false,
  "LastModifiedBy": "demo3\\\\brian.lucas",
  "LastModifiedDate": "\/Date(1389319005427+0000)\/",
  "Name": "ManagerApprove",
  "OriginalUserID": "demo3\\\\brian.lucas",
  "Pending": false,
  "PoolID": "",
  "PoolInfo": "",
  "Priority": "Normal",
  "ProcDefID": "258220E3849F4D04853F7B591B9C385E",
  "ProcInstID": "B49C9AA65BE1470884A9F1DF60632ABC",
  "ProcInstName": "BudgetRequestProcess-B49C9AA65BE1470884A9F1DF60632ABC",
  "ResolveParticipant": "",
  "RestrictionType": " ",
  "Session": 1,
  "SourceWorkItemID": "",
  "Status": "Reassigned",
  "UserID": "demo3\\\\brian.lucas",
  "WaitWorkPerformed": true,
  "WorkItemID": "485194FC741F4A4E83A71CDCBD9997D3",
  "WorkObjectID": "D6DF81165A744F1A803169051615E37C"
}]

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Work List

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves a list of manual work items that match a specified query expression.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/QueryWorkList

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryWorkList

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
expr	<p><u>Definition:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p><a href="#">WFQueryExprHelper</a></p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>

### JavaScript Code Example

```
$("#btnQueryWorkList").click(function () {
    var JSONObject = {
```

```

        ColumnName: "STATUS", Operator: "EQ", WhereClause: "Assigned",
                               IsValue: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkList",
        data: JSON.stringify(JSONObject)
    });
});

```

## Java Code Example

```

public String QueryWorkList() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkList";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("ColumnName", "STATUS");
    postData.put("Operator", "EQ");
    postData.put("WhereClause", "Assigned");
    postData.put("IsValue", "true");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

## C# Code Example

```

public string QueryWorkList()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkList";

    string jsonRequestData = "{
        \"ColumnName\": \"\" + \"STATUS\" + \"\",
        \"Operator\": \"\" + \"EQ\" + \"\",
        \"WhereClause\": \"\" + \"Assigned\" + \"\",
        \"IsValue\": \"\" + \"true\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

An array of WFManualWorkItem objects that contain the work item data.

## JSON Response Body Example

```

[
  {
    "ActivatedDate": "\/Date(928149600000+0000)\/",
    "ActivityInstID": "249CCC6F0B48470B8668BF4567B67C75",
    "ApplName": "MyApplication",
    "AssignedDate": "\/Date(1390852380123+0000)\/",
    "BeingProcessed": false,
    "CancelledDate": "\/Date(928149600000+0000)\/"
  }
]

```

```
"ClientData": "",
"CompletedDate": "\/Date(928149600000+0000)\/",
"CreatedDate": "\/Date(1390852380123+0000)\/",
"DefName": "BudgetRequest",
"DisplayName": "Waiting for Manager Approval",
"DueDate": "\/Date(1390938780000+0000)\/",
"DueHandled": false,
"LastModifiedBy": "demo3\\lilly.allen",
"LastModifiedDate": "\/Date(1390852390623+0000)\/",
"Name": "Intake",
"OriginalUserID": "demo3\\lilly.allen",
"Pending": true,
"PoolID": "",
"PoolInfo": "",
"Priority": "Normal",
"ProcDefID": "EEA1DE90DC3144E3A0D8B9487BBE44D4",
"ProcInstID": "A8D80F3FEB6C4E74A4D001036E30E5D6",
"ProcInstName": "BudgetRequest-1\/27\/2014 11:49:07 AM",
"ResolveParticipant": "",
"RestrictionType": " ",
"Session": 2,
"SourceWorkItemID": "",
"Status": "Assigned",
"UserID": "demo3\\lilly.allen",
"WaitWorkPerformed": true,
"WorkItemID": "287524CC39B34DC3BDD73275BA7769DE",
"WorkObjectID": "459BCC8A8A36444DAA7077CF0F6C1254"
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Work List Using SQL

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves a list of manual work items based on specified query expression.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/QueryWorkListUsingSQL](https://[domain]:[port]/AgilePointServer/Workflow/QueryWorkListUsingSQL)

### URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/QueryWorkListUsingSQL](https://[domain]:[port]/AgilePointService/Workflow/QueryWorkListUsingSQL)

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
sqlWhereClause	<p><u>Definition:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

## JavaScript Code Example

```
$("#btnQueryWorkListUsingSQL").click(function () {
    var JSONObject = {
        sqlWhereClause: "WF_MANUAL_WORKITEMS.USER_ID='demo3\\lilly.allen'
                        and WF_MANUAL_WORKITEMS.STATUS
                        in ('New', 'Assigned') "
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkListUsingSQL",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String QueryWorkListUsingSQL() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkListUsingSQL";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    String sqlWhereClause = "WF_MANUAL_WORKITEMS.USER_ID='demo3\\lilly.allen' and
        WF_MANUAL_WORKITEMS.STATUS in ('New', 'Assigned')";
    postData.put("sqlWhereClause", sqlWhereClause);
}
```

```

    return ops.POSTMethod(URI, postData.toString());
return "";
}

```

## C# Code Example

```

public string QueryWorkListUsingSQL()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
QueryWorkListUsingSQL";

    string jsonData = "{
    \"sqlWhereClause\": \"WF_MANUAL_WORKITEMS.USER_ID='MYDOMAIN\\\\\\\\administrator'
and
    WF_MANUAL_WORKITEMS.STATUS in ('New', 'Overdue') \"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonData);
}

```

## Output

A list of work items which match the where condition.

## JSON Response Body Example

```

[[{
  "ActivatedDate": "\/Date(928149600000+0000)\/",
  "ActivityInstID": "249CCC6F0B48470B8668BF4567B67C75",
  "ApplName": "MyApplication",
  "AssignedDate": "\/Date(1390852380123+0000)\/",
  "BeingProcessed": false,
  "CancelledDate": "\/Date(928149600000+0000)\/",
  "ClientData": "",
  "CompletedDate": "\/Date(928149600000+0000)\/",
  "CreatedDate": "\/Date(1390852380123+0000)\/",
  "DefName": "BudgetRequest",
  "DisplayName": "Waiting for Patient to perform Intake",
  "DueDate": "\/Date(1390938780000+0000)\/",
  "DueHandled": false,
  "LastModifiedBy": "demo3\\\\lilly.allen",
  "LastModifiedDate": "\/Date(1390852390623+0000)\/",
  "Name": "Intake",
  "OriginalUserID": "demo3\\\\lilly.allen",
  "Pending": true,
  "PoolID": "",
  "PoolInfo": "",
  "Priority": "Normal",
  "ProcDefID": "EEA1DE90DC3144E3A0D8B9487BBE44D4",
  "ProcInstID": "A8D80F3FEB6C4E74A4D001036E30E5D6",
  "ProcInstName": "BudgetRequest-1\/27\/2014 11:49:07 AM",
  "ResolveParticipant": "",
  "RestrictionType": " ",
  "Session": 2,
  "SourceWorkItemID": "",
  "Status": "Assigned",
  "UserID": "demo3\\\\lilly.allen",

```

```

    "WaitWorkPerformed": true,
    "WorkItemID": "287524CC39B34DC3BDD73275BA7769DE",
    "WorkObjectID": "459BCC8A8A36444DAA7077CF0F6C1254"
  }
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Reassign Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Reassigns a work item to another participant, and update the user name.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/ReassignWorkItem

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/ReassignWorkItem

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Name	Description
	<p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
UserName	<p><u>Definition:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>
WorkItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

### JavaScript Code Example

```
var JSONObject = {
  "WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
  "UserName": "DEMO3\\Lilly.Allen",
  "ClientData": ""
};
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/ReassignWorkItem",
  data: JSON.stringify(JSONObject)
});
```

### Java Code Example

```
public String ReassignWorkItem() {
  String URI = "https://mydomain:9011/AgilePointServer/Workflow/ReassignWorkItem";
  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);
  JSONObject postData = new JSONObject();
  postData.put("WorkItemID", "9FA1E98B85264545A62384A57D24FFF4");
  postData.put("UserName", "DEMO3\\Lilly.Allen");
  postData.put("ClientData", "");
  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

```
}

```

## C# Code Example

```
public string ReassignWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
ReassignWorkItem";

    string jsonRequestData = "{
    \"WorkItemID\": \"\" + \"27BDCAFF90954753B0F8FA8F864EA79C\" + "\",
    \"UserName\": \"\" + \"DEMO3\\Lilly.Allen\" + "\",
    \"ClientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "32535618F3EE4CA1A54A738D9EBB87A6",
  "EventName": "ReassignWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ClientData\" value=\"\"\/>
      <param name=\"owner\" value=\"\"\/>
      <param name=\"ActivityInstID\"
        value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \/>
      <param name=\"UserID\" value=\"demo3\\Lilly.Allen\" \/>
      <param name=\"HighPriority\" value=\"True\" \/>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/>
      <param name=\"WorkItemID\"
        value=\"9FA1E98B85264545A62384A57D24FFF4\" \/>
    <\/WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
}
```

```

"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "",
"Sender": "demo3\\Brian.Lucas",
"SentDate": "\/Date(1394152020511+0000)\/",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "demo3\\Lilly.Allen",
"WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
"WorkObjectID": "",
"WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Undo Assign Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Unassigns a work item that was previously assigned to a user. This method applies to work items that can be assigned to members of task groups, where a work item can be assigned to or claimed by any of a group of users.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/UndoAssignWorkItem/[workItemID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/UndoAssignWorkItem/[workItemID]

### Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

## Request Body Properties

Name	Description
clientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

### JavaScript Code Example

```
$("#btnUndoAssignWorkItem").click(function () {
    var JSONObject = { clientData: null };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/UndoAssignWorkItem/D4751D6380F141A4AC89AF6820B988D5",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String UndoAssignWorkItem() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/UndoAssignWorkItem/D4751D6380F141A4AC89AF6820B988D5";

    HTTPOperations ops = new HTTPOperations(domain, userName, password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("clientData", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string UndoAssignWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
```

```

        UndoAssignWorkItem/D4751D6380F141A4AC89AF6820B988D5";

    string jsonData = "{\"clientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appId, locale);

    return ops.POSTMethod(uri, jsonData);
}

```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```

{
  "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\",
  "Entries": 1,
  "Error": null,
  "EventID": "FEACD610F5B24901B231F9038D74DF88",
  "EventName": "UndoAssignWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version='1.0' encoding='utf-8'?>
    <WFEvent>
      <param name='ProcInstID'
        value='B7F0ACFA610349B4BF10A4DAB8E93458' \\/>
      <param name='ActivityInstID'
        value='A27AD9FE81164DBDB09E9E7CEDCD0930' \\/>
      <param name='HighPriority' value='True' \\/>
      <param name='WorkItemID'
        value='9FA1E98B85264545A62384A57D24FFF4' \\/>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
  "ProcInstName": "",
  "Sender": "demo3\\brian.lucas",
  "SentDate": "\\Date(1394152264074+0000)\\",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Update Work Item

---

### API Type

REST

### HTTP Method

POST

### Description

Updates a manual work item or automatic work item.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/UpdateWorkItem/[workItemID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/UpdateWorkItem/[workItemID]

### Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

### Request Body Properties

Name	Description
attributes	<p><u>Definition:</u></p> <p>A NameValue array that contains the attributes that needs to be updated in the work item.</p>

Name	Description
	<p><u>Type</u></p> <p>NameValue</p> <p><u>Allowed Values:</u></p> <p>For a manual work item, the following attributes can be updated:</p> <ul style="list-style-type: none"> <li>• NAME</li> <li>• ORIGINAL_USER_ID</li> <li>• CLIENT_DATA, POOL_ID</li> <li>• POOL_INFO</li> <li>• STATUS</li> <li>• USER_ID</li> <li>• PRIORITY</li> <li>• DUE_DATE</li> </ul> <p>For an automatic work item, the following attributes can be updated:</p> <ul style="list-style-type: none"> <li>• DUE_DATE</li> <li>• STATUS - if the value is Canceled, Completed, Overdue, Running, or Waiting.</li> </ul>

### JavaScript Code Example

```
$("#btnUpdateWorkItem").click(function () {
    var JSONObject = { attributes: [{ Name: "NAME", Value: "nishant" }]};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            UpdateWorkItem/3D1F3E6003E4487ABA8E2ADB22A85CC2",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String UpdateWorkItem() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        UpdateWorkItem/3D1F3E6003E4487ABA8E2ADB22A85CC2";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONArray postArray = new JSONArray();
    String[] Name = { "NAME" };
    String[] Value = { "Rollback Session Demo New" };

    for (int i = 0; i < Name.length; i++) {
```

```
        JSONObject nameValuePair = new JSONObject();
        nameValuePair.put("Name", Name[i]);
        nameValuePair.put("Value", Value[i]);

        postArray.put(nameValuePair);
    }

    JSONObject postData = new JSONObject();
    postData.put("attributes", postArray);
    return ops.POSTMethod(URL, postData.toString());
    return "";
}
```

## C# Code Example

```
public string UpdateWorkItem()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                UpdateWorkItem/3D1F3E6003E4487ABA8E2ADB22A85CC2";

    string jh = "{
        \"attributes\": [{\"Name\": \"NAME\",
        \"Value\": \"Rollback Session Demo New\"}] }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jh);
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Methods for Automatic Work Items (Procedures)

---

This section describes service calls related to automatic work items.

## Cancel Procedure

---

### API Type

REST

## HTTP Method

POST

## Description

Cancels an automatic work item based on supplied specified automatic work item identifier.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CancelProcedure/[workItemID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CancelProcedure/[workItemID]

## Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

## JavaScript Code Example

```
$("#btnCancelProcedure").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            CancelProcedure/CFF4B6D3DBF546A2B0423AD413A94420"
    });
});
```

## Java Code Example

```
public String CancelProcedure() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        CancelProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string CancelProcedure()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CancelProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "8D14B5AED0C04F4CAEC959157A433294",
  "EventName": "CancelProcedure",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"3079D0D9031F4EBF808ED158C622FCC5\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
      <param name=\"WorkItemID\"
        value=\"0077C938254B4D6BAC2BD65566C706D6\" \/\>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "3079D0D9031F4EBF808ED158C622FCC5",
  "ProcInstName": "",
  "Sender": "demo3\brian.lucas",
  "SentDate": "\/Date(1394153369353+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "0077C938254B4D6BAC2BD65566C706D6",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Complete Procedure

---

### API Type

REST

### HTTP Method

POST

### Description

Marks an automatic work item as completed by an asynchronous activity.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CompleteProcedure/[workItemID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CompleteProcedure/[workItemID]

### Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

### JavaScript Code Example

```
$("#btnCompleteProcedure").click(function () {
  $.ajax({
    url: "https://mydomain:9011/AgilePointServer/
        Workflow/CompleteProcedure/CFF4B6D3DBF546A2B0423AD413A94420"
  });
});
```

## Java Code Example

```
public String CompleteProcedure() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string CompleteProcedure()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

**WFEvent** object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

## JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\",
  "Entries": 1,
  "Error": null,
  "EventID": "980B0DBFC2E142DCB89671DE521034CD",
  "EventName": "CompleteProcedure",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
                <WFEvent>
                  <param name=\"ProcInstID\"
                    value=\"540e835b76b646ba9d43fecba792d00d\" \\/>
                  <param name=\"HighPriority\" value=\"True\" \\/>
                  <param name=\"WorkItemID\"
```

```

        value="\0406BF0DEB9140DC8FE61076376B6166\" \/>
    </WFEvent>",
    "ParentProcInstID": "",
    "ProcDefID": "",
    "ProcInstID": "540e835b76b646ba9d43fecba792d00d",
    "ProcInstName": "",
    "Sender": "demo3\\brian.lucas",
    "SentDate": "\/Date(1394153495472+0000)\/",
    "SourceWorkItemID": "",
    "Status": "Sent",
    "UserID": "",
    "WorkItemID": "0406BF0DEB9140DC8FE61076376B6166",
    "WorkObjectID": "",
    "WorkObjectInfo": ""
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Procedure

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves work item data by a specified work item ID.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcedure/[workItemID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProcedure/[workItemID]

### Request Parameters

Name	Description
workItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid, unique 32-byte work item (task) ID.

### JavaScript Code Example

```
$("#btnGetProcedure").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcedure/0000274B0AA64BBC8FCA086A6EFDFA44",
        type: "GET"
    });
});
```

### Java Code Example

```
public String GetProcedure() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcedure/0000274B0AA64BBC8FCA086A6EFDFA44";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

### C# Code Example

```
public string GetProcedure()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcedure/0000274B0AA64BBC8FCA086A6EFDFA44";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

### Output

WFAutomaticWorkItem object.

### JSON Response Body Example

```
{
  "GetProcedureResult":
  {
    "ActivityInstID": "6909C1D0B5D44F10AE1EDB9393A6DA21",
    "ApplName": "MyApplication",
    "CompletedDate": "\/Date(1380915210920+0000)\/",
    "CreatedDate": "\/Date(1380915200837+0000)\/",
    "DueDate": "\/Date(1380915780000+0000)\/",
    "DueHandled": false,
    "Pending": false,
  }
}
```

```

    "ProcInstID": "E94493C9E919466898344A056CB7619E",
    "ProcedureInfo": "#AgilePart:XmlOperationsAP, Version=1.0.0.0,
                    Culture=neutral,

    PublicKeyToken=d9ba5adf10cbd939:XmlOperationsAP.XmlOperations:XmlOperationsMethod",
    "Session": 1,
    "Status": "Completed",
    "Synchronous": true,
    "WorkItemID": "0008FD6D6F354EB39281C1EE95E76CCC"
  }
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Procedure List

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves a list of automatic work items that match a specified query expression.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/QueryProcedureList

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryProcedureList

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
expr	<u>Definition:</u> Specifies the where clause of a SQL query expression.

Name	Description
	<p><u>Type</u></p> <p>WFQueryExprHelper</p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>
ColumnName	<p><u>Definition:</u></p> <p>Gets and sets the associated database column name.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid database column name.</p>
Operator	<p><u>Definition:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>
WhereClause	<p><u>Definition:</u></p> <p>Sets the conditions against a query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid SQL WHERE clause.</p>
IsValue	<p><u>Definition:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - It compares a value or column of the table.</li> </ul>

Name	Description
	<ul style="list-style-type: none"> <li>• <b>False</b> - It does not compare a value or column of the table.</li> </ul>

## JavaScript Code Example

```
$("#btnQueryProcedureList").click(function () {
    var JSONObject = {
        ColumnName: "SYNCHRONOUS", Operator: "EQ", WhereClause: "No", IsValue: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String QueryProcedureList() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList";

    HTTPOperations ops = new HTTPOperations(domain, userName, password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("ColumnName", "SYNCHRONOUS");
    postData.put("Operator", "EQ");
    postData.put("WhereClause", "No");
    postData.put("IsValue", true);

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string QueryProcedureList()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList";

    string jsonRequestData="{
        \"ColumnName\": \"\" + \"SYNCHRONOUS\" + \"\",
        \"Operator\": \"\" + \"EQ\" + \"\",
        \"WhereClause\": \"\" + \"No\" + \"\",
        \"IsValue\": \"\" + \"true\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName, password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

An array of automatic work items.

### JSON Response Body Example

```
[{
  "ActivityInstID": "F002ECAF07764DE5B0ADE53D4FB7C2F4",
  "ApplName": "MyApplication",
  "CompletedDate": "\/Date(928149600000+0000)\/",
  "CreatedDate": "\/Date(1390771702547+0000)\/",
  "DueDate": "\/Date(1390771732547+0000)\/",
  "DueHandled": false,
  "Pending": false,
  "ProcInstID": "0E05B456F489468D90414A7E9AF8CDF3",
  "ProcedureInfo": "#AgilePart:Ascentn.AgilePart.Process,
    Version=1.0.0.0, Culture=neutral,
    PublicKeyToken=2973ddf2dfd2d294:Ascentn.Workflow.Extension.ProcessManagementAgilePart:Delay'
  "Session": 32,
  "Status": "Cancelled",
  "Synchronous": false,
  "WorkItemID": "0078B6ECE50A47B3A3907341DF8F8B5E"
}]
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## User Delegation

---

This section describes service calls related to user delegation processes.

### Activate Delegation

---

#### API Type

REST

#### HTTP Method

POST

#### Description

Activates a delegation.

#### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/ActivateDelegation/[delegationID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/ActivateDelegation/[delegationID]

### Request Parameters

Name	Description
delegationID	<p><b>Definition:</b></p> <p>The unique ID of a delegation object.</p> <p><b>Type</b></p> <p>string</p> <p><b>Allowed Values:</b></p> <p>A valid delegation ID.</p>

### JavaScript Code Example

```
$("#btnActivateDelegation").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            ActivateDelegation/CFF4B6D3DBF546A2B0423AD413A94420",
    });
});
```

### Java Code Example

```
public String ActivateDelegation() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        ActivateDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

### C# Code Example

```
public string ActivateDelegation()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
        ActivateDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Add Delegation

---

## API Type

REST

## HTTP Method

POST

## Description

Creates a rule for delegating one user's tasks to another user. This method uses the WFDelegation class. For more information, see the AgilePoint Class Reference.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/AddDelegation

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/AddDelegation

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
FromUser	<p><u>Definition:</u></p> <p>Specifies a user from whom to delegate tasks.</p> <p><u>Type</u></p>

Name	Description
	<p><a href="#">string</a></p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Definition:</u> Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid user name.</p>
StartDate	<p><u>Definition:</u> &gt;The start date of delegation.</p> <p><u>Type</u> <a href="#">DateTime</a></p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
EndDate	<p><u>Definition:</u> Specifies the completion date of delegation.</p> <p><u>Type</u> <a href="#">DateTime</a></p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
Description	<p><u>Definition:</u> A free text description of a delegation.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>

### JavaScript Code Example

```
$("#btnAddDelegation").click(function () {
```

```

var JSONObject = {
  FromUser: "demo3\\brian.lucas",
  ToUser: "demo3\\lilly.allen",
  StartDate: '\\Date(' + new Date().getTime() + '-0000)\\',
  EndDate: '\\Date(' + new Date().getTime() + '-0000)\\',
  Description: "Rest Test", Status: "Created"
};

$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Admin/AddDelegation",
  data: JSON.stringify(JSONObject)
});
});

```

## Java Code Example

```

public String AddDelegation() {

  String URI = "https://mydomain:9011/AgilePointServer/Admin/AddDelegation";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();
  postData.put("FromUser", "DEMO3\\liy.allen");
  postData.put("ToUser", "DEMO3\\bob.hope");
  postData.put("StartDate", "/"Date("
    + Calendar.getInstance().getTimeInMillis() + "+0000)/");
  postData.put("EndDate", "/"Date("
    + Calendar.getInstance().getTimeInMillis() + "+0000)/");
  postData.put("Description", "Vacation");
  postData.put("Status", "Created");

  return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
  e1.printStackTrace();
}
return "";
}

```

## C# Code Example

```

public string AddDelegation()
{
  string gh=@"\Date(928149600000+0000)\";
  string jsonRequestData = "{
    \"FromUser\": \"\" + \"DEMO3\\liy.allen\" + \"\",
    \"ToUser\": \"\" + \"DEMO3\\bob.hope\" + \"\",
    \"StartDate\": \"\" + gh + \"\",
    \"EndDate\": \"\" + gh + \"\",
    \"Description\": \"\" + \"Milind Test\" + \"\",
    \"Status\": \"\" + \"Created\" + \"\"}";

  string URI = "https://mydomain:9011/AgilePointServer/Admin/AddDelegation";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

  return ops.POSTMethod(URI, jsonRequestData);
}

```

```
}
```

## Output

WFDelegation object.

## JSON Response Body Example

```
{
  "CancelledBy": null,
  "CancelledDate": "\/Date (928149600000+0000) \/",
  "CreatedBy": "demo3\\brian.lucas",
  "CreatedDate": "\/Date (1394154711507+0000) \/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Rest Test",
  "EndDate": "\/Date (28799000+0000) \/",
  "FromUser": "demo3\\brian.lucas",
  "LastUpdatedBy": null,
  "LastUpdatedDate": "\/Date (928149600000+0000) \/",
  "ProcDefIDS": "",
  "RecWeekdaysString": "",
  "StartDate": "\/Date (-57600000+0000) \/",
  "Status": "Created",
  "ToUser": "demo3\\lilly.allen"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Cancel Delegation

---

### API Type

REST

### HTTP Method

POST

### Description

Cancels a currently operating delegation.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Admin/CancelDelegation/\[delegationID\]](https://[domain]:[port]/AgilePointServer/Admin/CancelDelegation/[delegationID])

### URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Admin/CancelDelegation/\[delegationID\]](https://[domain]:[port]/AgilePointService/Admin/CancelDelegation/[delegationID])

## Request Parameters

Name	Description
delegationID	<p><u>Definition:</u></p> <p>The unique ID of a delegation object.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid delegation ID.</p>

### JavaScript Code Example

```
$("#btnCancelDelegation").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            CancelDelegation/CFF4B6D3DBF546A2B0423AD413A94420"
    });
});
```

### Java Code Example

```
public String CancelDelegation() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        CancelDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

### C# Code Example

```
public string CancelDelegation()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
        CancelDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

### Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Delegation

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves a delegation object.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetDelegation/[delegationID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetDelegation/[delegationID]

### Request Parameters

Name	Description
delegationID	<p><u>Definition:</u></p> <p>The unique ID of a delegation object.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid delegation ID.</p>

### JavaScript Code Example

```
$("#btnGetDelegation").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/
```

```

        GetDelegation/E83A0F99EDB74FF7A048C01F1C5A32A7",
        type: "GET"
    });
});

```

## Java Code Example

```

public String GetDelegation() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        GetDelegation/E83A0F99EDB74FF7A048C01F1C5A32A7";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}

```

## C# Code Example

```

public string GetDelegation()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
        GetDelegation/E83A0F99EDB74FF7A048C01F1C5A32A7";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}

```

## Output

WFDelegation object that specifies the user whose tasks will be delegated and the designated user to whom to delegate tasks.

## JSON Response Body Example

```

{
  "CancelledBy": null,
  "CancelledDate": "\/Date(928149600000+0000)\/",
  "CreatedBy": "demo3\\brian.lucas",
  "CreatedDate": "\/Date(1394154711507+0000)\/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Rest Test",
  "EndDate": "\/Date(28799000+0000)\/",
  "FromUser": "demo3\\brian.lucas",
  "LastUpdatedBy": null,
  "LastUpdatedDate": "\/Date(928149600000+0000)\/",
  "ProcDefIDS": "",
  "RecWeekdaysString": "",
  "StartDate": "\/Date(-57600000+0000)\/",
  "Status": "Created",
  "ToUser": "demo3\\lilly.allen"
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Delegations

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves a list of delegation objects that match the specified parameters. You can leave the parameters null to indicate any.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetDelegations

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetDelegations

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
FromUser	<p><u>Definition:</u> Specifies a user from whom to delegate tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Definition:</u></p>

Name	Description
	<p>Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
Status	<p><u>Definition:</u> The status of the associated item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid status.</p>

### JavaScript Code Example

```
$("#btnGetDelegations").click(function () {
    var JSONObject = {
        FromUser: "demo3\\brian.lucas",
        ToUser: "demo3\\lilly.allen",
        Status: "Active"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDelegations",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String GetDelegations() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDelegations";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("FromUser", "DEMO3\\liy.allen");
    postData.put("ToUser", "DEMO3\\bob.hope");
    postData.put("Status", "Created");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string GetDelegations ()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetDelegations";

    string jsonRequestData = "{
        \"FromUser\": \"\" + \"MYDOMAIN\\administrator\" + \"\",
        \"ToUser\": \"\" + \"MYDOMAIN\\peter.parker\" + \"\",
        \"Status\": \"\" + \"Active\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

An array of WFDelegation objects.

## JSON Response Body Example

```
[{
  "CancelledBy": "",
  "CancelledDate": "\/Date(928149600000+0000)\/",
  "CreatedBy": "demo3\\brian.lucas",
  "CreatedDate": "\/Date(1394154711507+0000)\/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Rest Test",
  "EndDate": "\/Date(28799000+0000)\/",
  "FromUser": "demo3\\brian.lucas",
  "LastUpdatedBy": "demo3\\administrator",
  "LastUpdatedDate": "\/Date(1394154884247+0000)\/",
  "ProcDefIDS": "",
  "RecWeekdaysString": "",
  "StartDate": "\/Date(-57600000+0000)\/",
  "Status": "Active",
  "ToUser": "demo3\\lilly.allen"
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Remove Delegation

---

### API Type

REST

### HTTP Method

POST

## Description

Removes a delegation from the AgilePoint system.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/RemoveDelegation/[delegationID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/RemoveDelegation/[delegationID]

## Request Parameters

Name	Description
delegationID	<p><u>Definition:</u></p> <p>The unique ID of a delegation object.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid delegation ID.</p>

## JavaScript Code Example

```
$("#btnRemoveDelegation").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            RemoveDelegation/CFF4B6D3DBF546A2B0423AD413A94420"
    });
});
```

## Java Code Example

```
public String RemoveDelegation() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        RemoveDelegation/CFF4B6D3DBF546A2B0423AD413A94420";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string RemoveDelegation()
```

```
{
  string URI = "https://mydomain:9011/AgilePointServer/Admin/
              RemoveDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                          password, appID, locale);

  return ops.POSTMethod(URI, "");
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Update Delegation

---

## API Type

REST

## HTTP Method

POST

## Description

Updates a delegation object that has already been created.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/UpdateDelegation

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/UpdateDelegation

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
DelegationID	<p><u>Definition:</u> The unique ID of a delegation object.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid delegation ID.</p>
FromUser	<p><u>Definition:</u> Specifies a user from whom to delegate tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Definition:</u> Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
StartDate	<p><u>Definition:</u> &gt;The start date of delegation.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
EndDate	<p><u>Definition:</u> Specifies the completion date of delegation.</p> <p><u>Type</u></p>

Name	Description
	<p><a href="#">DateTime</a></p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
Description	<p><u>Definition:</u> A free text description of a delegation.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Status	<p><u>Definition:</u> The status of the delegation.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid status.</p>

## JavaScript Code Example

```
$("#btnUpdateDelegation").click(function () {
    var JSONObject = {
        DelegationID: "77F9A9946CF74545B4C8A27956CDA036",
        FromUser: "demo3\\brian.lucas",
        ToUser: "demo3\\lilly.allen",
        StartDate: '\\/Date(' + new Date().getTime() + '-0000)\\/',
        EndDate: '\\/Date(' + new Date().getTime() + '-0000)\\/',
        Description: "Test",
        Status: "Created"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateDelegation",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String UpdateDelegation() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateDelegation";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
```

```

JSONObject postData = new JSONObject();

postData.put("DelegationID", "5272465BDB7944B28A0E1BDABA95559B");
postData.put("FromUser", "DEMO3\\liy.allen");
postData.put("ToUser", "DEMO3\\bob.hope");
postData.put("StartDate", "/" + Calendar.getInstance().getTimeInMillis() + "+0000/");
postData.put("EndDate", "/" + Calendar.getInstance().getTimeInMillis() + "+0000/");
postData.put("Description", "Rest Test");
postData.put("Status", "Created");

return ops.POSTMethod(URI, postData.toString());
return "";
}

```

## C# Code Example

```

public string UpdateDelegation()
{
    string gh = @"\/Date(928149600000+0000)\\/";
    string jsonRequestData = "{
        \"FromUser\": \"\" + \"DEMO3\\liy.allen\" + \"\",
        \"ToUser\": \"\" + \"DEMO3\\bob.hope\" + \"\",
        \"StartDate\": \"\" + \"\/Date(928149600000+0000)\\/\" + \"\",
        \"EndDate\": \"\" + \"\/Date(928149600000+0000)\\/\" + \"\",
        \"Description\": \"\" + \"Milind ReTest\" + \"\",
        \"Status\": \"\" + \"Created\" + \"\"}";

    string URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateDelegation";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

Returns an updated instance of WFDelegation.

## JSON Response Body Example

```

{
  "CancelledBy": null,
  "CancelledDate": "\/Date(928149600000+0000)\\/",
  "CreatedBy": null,
  "CreatedDate": "\/Date(1394154711507+0000)\\/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Test",
  "EndDate": "\/Date(28799000+0000)\\/",
  "FromUser": "demo3\\brian.lucas",
  "LastUpdatedBy": "demo3\\brian.lucas",
  "LastUpdatedDate": "\/Date(1394155684428+0000)\\/",
  "ProcDefIDS": "",
  "RecWeekdaysString": "",
  "StartDate": "\/Date(-57600000+0000)\\/",
  "Status": "Created",
  "ToUser": "demo3\\lilly.allen"
}

```

}

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Methods for Email Templates

---

This section describes service calls related to email templates.

### Add Email Template

---

#### API Type

REST

#### HTTP Method

POST

#### Description

Adds an email template to the AgilePoint system.

#### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/AddEmailTemplate

#### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/AddEmailTemplate

#### Request Parameters

Name	Description
None	Not Applicable

#### Request Body Properties

Name	Description
TemplateOwnerID	<p><u>Definition:</u></p> <p>The ID for a process template owner.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> A valid process template owner ID.
MailTemplateXML	<u>Definition:</u> The XML for an email template.  <u>Type</u> string  <u>Allowed Values:</u> Valid XML that represents an email template.

### JavaScript Code Example

```
$("#btnAddEMailTemplate").click(function () {
    var JSONObject = {
        TemplateOwnerID: null,
        MailTemplateXML: "< email template xml data>"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddEMailTemplate",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String AddEMailTemplate() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddEMailTemplate";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("TemplateOwnerID", "BBB82AAE37054A1AB469FB480028A7A3");
    postData.put("MailTemplateXML", "<email template xml data>");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string AddEMailTemplate()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/AddEMailTemplate";
    string jsonRequestData = "{
        \"TemplateOwnerID\": \"\" + null + "\",
        \"MailTemplateXML\": \"\" + '<process template XML string>' + \"\"}";
}
```

```

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

The ID of the new email template.

## JSON Response Body Example

```
"B460E2AF110E42ED97CE13CBFF42AB7B"
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get All EMail Templates

---

## API Type

REST

## HTTP Method

GET

## Description

Retrieves all the global email templates from the server.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetAllEmailTemplates

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetAllEmailTemplates

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```

$("#btnGetAllEmailTemplates").click(function () {

$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Admin/GetAllEmailTemplates",
  type: "GET"

```

```
});
});
```

## Java Code Example

```
public String GetAllEmailTemplates() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetMailDeliverables/AAA82AAE37054A1AB469FB480028A7A3";

    HTTPOperations ops = new HTTPOperations(domain, userName,
                password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetAllEmailTemplates()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
GetAllEmailTemplates";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

Returns an email templates.

## JSON Response Body Example

```
{
  "GetAllEmailTemplatesResult": [{
    "Key": "7B110FA1958843E9BE0582A3CDE52513",
    "Value": "<?xml version='1.0' encoding='utf-8'?>
      <MailTemplates name='Test'
        format='Default'
        leftToRight='true'
        mailPriority='High'>
        <From>
          <![CDATA[brian.lucas@mycompany.com]]>
        </From>
        <To>
          <![CDATA[lilly.allen@mycompany.com]]>
        </To>
        <Subject>
          <![CDATA[testSubject]]>
        </Subject>
        <Content>
          <![CDATA[testBody]]>
        </Content>
        <Attachments>
          <![CDATA[]]>
        </Attachments>
      </MailTemplates>"
  ]
}
```

```

    }]
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get EMail Template

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves an email templates with the specified template name from the server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetEMailTemplate/[mailTemplateID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetEMailTemplate/[mailTemplateID]

### Request Parameters

Name	Description
mailTemplateID	<p><u>Definition:</u></p> <p>The unique ID for an email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid mail template ID.</p>

### JavaScript Code Example

```

$("#btnGetEMailTemplate").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            GetEMailTemplate/B460E2AF110E42ED97CE13CBFF42AB7B",
        type: "GET"
    });
});

```

```
});
```

## Java Code Example

```
public String GetEmailTemplate() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
                GetEmailTemplate/B460E2AF110E42ED97CE13CBFF42AB7B";

    HTTPOperations ops = new HTTPOperations(domain, userName,
                password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetEmailTemplate()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
                GetEmailTemplate/B460E2AF110E42ED97CE13CBFF42AB7B";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

Returns an email templates.

## JSON Response Body Example

```
{
  "GetEmailTemplateResult": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <MailTemplates name=\"TestNew\"
                  format=\"Default\"
                  leftToRight=\"true\"
                  mailPriority=\"High\">
      <From>
        <![CDATA[brian.lucas@mycompany.com]]>
      </From>
      <To>
        <![CDATA[lilly.allen@mycompany.com]]>
      </To>
      <Subject>
        <![CDATA[testSubject]]>
      </Subject>
      <Content>
        <![CDATA[testBody]]>
      </Content>
      <Attachments>
        <![CDATA[]]>
      </Attachments>
    </MailTemplates>"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Remove Email Template

---

### API Type

REST

### HTTP Method

POST

### Description

Removes an email template from the AgilePoint database.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/UpdateEMailTemplate/[mailTemplateID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/UpdateEMailTemplate/[mailTemplateID]

### Request Parameters

Name	Description
mailTemplateID	<p><u>Definition:</u></p> <p>The unique ID for an email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid mail template ID.</p>

### JavaScript Code Example

```
$("#btnRemoveEMailTemplate").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            RemoveEMailTemplate/C769BA234EFD421B8B95A525B972E511"
    });
});
```

## Java Code Example

```
public String RemoveEmailTemplate() {  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                RemoveEmailTemplate/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

## C# Code Example

```
public string RemoveEmailTemplate()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/  
                RemoveEmailTemplate/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

## Output

A Boolean value: True or False.

## JSON Response Body Example

```
True
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Update Email Template

---

## API Type

REST

## HTTP Method

POST

## Description

Updates an email template in the AgilePoint database.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/UpdateEMailTemplate

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/UpdateEMailTemplate

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
MailTemplateID	<p><u>Definition:</u> The unique ID for an email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid mail template ID.</p>
MailTemplateXML	<p><u>Definition:</u> The XML for an email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> Valid XML that represents an email template.</p>
TemplateModifiedUserName	<p><u>Definition:</u> Specifies qualified username for the modified email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>

## JavaScript Code Example

```
$("#btnUpdateEMailTemplate").click(function () {
    var JSONObject = {
        MailTemplateID: "C769BA234EFD421B8B95A525B972E511",
        TemplateModifiedUserName: "demo3\\admin",
        MailTemplateXML: "<email template XML data>"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateEMailTemplate",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String UpdateEMailTemplate() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateEMailTemplate";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("MailTemplateID", "XYZ82AAE37054A1AB469FB480028A7A3");
    postData.put("TemplateModifiedUserName", "demo3\\admin");
    postData.put("MailTemplateXML", "<email template xml data>");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string UpdateEMailTemplate()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateEMailTemplate";

    string jsonRequestData = "{
        \"TemplateOwnerID\": \"\" + null + "\",
        \"MailTemplateXML\": \"\" + '<process template XML string>' + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

A Boolean value: True or False.

## JSON Response Body Example

```
True
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Methods for Email and Notifications

---

This section describes service calls related to email and notifications.

## Cancel Mail Deliverable

---

### API Type

REST

### HTTP Method

POST

### Description

Cancel the failed mail deliverable record based on a given message identifier. Note that canceling the failed mail deliverable record prevents it from being recycled or present on a given interval by the AgilePoint engine.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/CancelMailDeliverable/[mailID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CancelMailDeliverable/[mailID]

### Request Parameters

Name	Description
mailID	<p><u>Definition:</u></p> <p>Specifies the unique ID for an email notification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email notification ID.</p>

### JavaScript Code Example

```
$("#btnCancelMailDeliverable").click(function () {
```

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
      CancelMailDeliverable/31C364347D364D0AA2EB2853340CA25D",
});
```

### Java Code Example

```
public String CancelMailDeliverable() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        CancelMailDeliverable/AAA82AAE37054A1AB469FB480028A7A3";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

### C# Code Example

```
public string CancelMailDeliverable()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        CancelMailDeliverable/AAA82AAE37054A1AB469FB480028A7A3";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.POSTMethod(URI, "");
}
```

### Output

None.

### JSON Response Body Example

The response body is empty.

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Expecting Send Mail Deliverable

---

### API Type

REST

### HTTP Method

GET

## Description

Retrieves all the failed and scheduled to resend email notifications.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetExpectingSendMailDeliverable

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetExpectingSendMailDeliverable

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetExpectingSendMailDeliverable").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetExpectingSendMailDeliverable",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetExpectingSendMailDeliverable() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetExpectingSendMailDeliverable";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetExpectingSendMailDeliverable()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/GetExpectingSendMailDeliverable";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URL);
}
```

## Output

Array of WFMailDeliverable objects.

## JSON Response Body Example

```
{
  "GetExpectingSendMailDeliverableResult": [{
    "ActivityInstID": "00000000000000000000000000000000",
    "CreatedDate": "\/Date(1393646742890+0000)\/",
    "DeliveryTime": 1,
    "ID": "02ECFD464F9A4A1AB1D468A889FE30C1",
    "Mail": {
      "Attachments": "",
      "BCC": null,
      "CC": null,
      "Content": "<html>...<\html>",
      "Format": 2,
      "From": "brian.lucas@mycompany.com",
      "LeftToRight": true,
      "MailPriority": 0,
      "Name": "0A81E99B4E694897A9322A89CCF642CE",
      "Subject": "Subject",
      "To": "lilly.allen@mycompany.com"
    },
    "NextSendingDate": "\/Date(1393646863983+0000)\/",
    "ProcInstID": "00000000000000000000000000000000",
    "Reason": "",
    "Session": 0,
    "Status": "Failure"
  ]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Mail Deliverables

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves all the mail deliverables for a process instance.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetMailDeliverables/[processInstanceID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetMailDeliverables/[processInstanceID]

## Request Parameters

Name	Description
processInstanceID	<p><b>Definition:</b></p> <p>Specifies the unique ID of a process instance.</p> <p><b>Type</b></p> <p>string</p> <p><b>Allowed Values:</b></p> <p>A valid process instance ID</p>

## JavaScript Code Example

```
$("#btnGetMailDeliverables").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetMailDeliverables/D91BE666F2044DDEAF5BD202FBBE2467",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetMailDeliverables() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetMailDeliverables/D91BE666F2044DDEAF5BD202FBBE2467";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetMailDeliverables()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
        GetMailDeliverables/D91BE666F2044DDEAF5BD202FBBE2467";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URL);
}
```

```
}

```

## Output

Array of WFMailDeliverable objects.

## JSON Response Body Example

```
{
  "GetMailDeliverablesResult": [{
    "ActivityInstID": "00000000000000000000000000000000",
    "CreatedDate": "\/Date (1393646742890+0000)\/",
    "DeliveryTime": 1,
    "ID": "02ECFD464F9A4A1AB1D468A889FE30C1",
    "Mail": {
      "Attachments": "",
      "BCC": null,
      "CC": null,
      "Content": "<html>...<\html>",
      "Format": 2,
      "From": "brian.lucas@mycompany.com",
      "LeftToRight": true,
      "MailPriority": 0,
      "Name": "0A81E99B4E694897A9322A89CCF642CE",
      "Subject": "Subject",
      "To": "lilly.allen@mycompany.com"
    },
    "NextSendingDate": "\/Date (1393646863983+0000)\/",
    "ProcInstID": "00000000000000000000000000000000",
    "Reason": "",
    "Session": 0,
    "Status": "Failure"
  }]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Send Mail

---

### API Type

REST

### HTTP Method

POST

### Description

Sends an email through AgilePoint Server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/SendMail

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/SendMail

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
Attachments	<p><u>Definition:</u> File attachments included with the email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid path and file name on the AgilePoint Server. This parameter must use a file path from the file system (for example, C:\file.txt) on the machine where AgilePoint Server is installed. If there is no attachment, you can pass <b>null</b> or <b>String.Empty</b>.</p>
Body	<p><u>Definition:</u> Specifies the body portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> Free text.</p>
CC	<p><u>Definition:</u> Specifies the CC portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A string that includes one or more email addresses in SMTP format.
From	<p><u>Definition:</u> Specifies the From portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.</p>
Subject	<p><u>Definition:</u> The subject of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A single line of text.</p>
To	<p><u>Definition:</u> Specifies the To portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.</p>

These properties are based on the class [SendMailHelper](#)

### JavaScript Code Example

```
$("#btnSendMail").click(function () {
    var JSONObject = { To: "susan.miller@mydomain.com",
        CC: null,
        From: "susan.miller@mydomain.com",
        Subject: "REST Test App",
        Body: "REST Test App Body",
        Attachments: null
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/SendMail",
        data: JSON.stringify(JSONObject)
    });
});
```

```
});
```

## Java Code Example

```
public String SendMail() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/SendMail";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("To", "susan.miller@mydomain.com");
    postData.put("CC", "");
    postData.put("From", "susan.miller@mydomain.com");
    postData.put("Subject", "REST Test App");
    postData.put("Body", "Body of mail");
    postData.put("Attachments", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string SendMail()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/SendMail";
    string jsonRequestdata = "{
        \"To\": \"\" + \"milindg90@ymail.com\" + \"\",
        \"CC\": \"\" + null + \"\",
        \"From\": \"\" + \"milind.gunjan@agilepoint.com\" + \"\",
        \"Subject\": \"\" + \"milindg90\" + \"\",
        \"Body\": \"\" + \"com\" + \"\",
        \"Attachments\": \"\" + null + \"\"}";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.POSTMethod(URI, "");
}
```

## Output

None.

## JSON Response Body Example

```
{
  "Attachments": "String content",
  "Body": "String content",
  "CC": "String content",
  "From": "String content",
  "Subject": "String content",
  "To": "String content"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Resend Mail Deliverable

---

### API Type

REST

### HTTP Method

POST

### Description

Resends the mail deliverable with a specified mail ID.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/ResendMailDeliverable/[mailID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/ResendMailDeliverable/[mailID]

### Request Parameters

Name	Description
mailID	<p><u>Definition:</u></p> <p>Specifies the unique ID for an email notification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email notification ID.</p>

### JavaScript Code Example

```
$("#btnResendMailDeliverable").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            ResendMailDeliverable/31C364347D364D0AA2EB2853340CA25D",  
    });  
});
```

## Java Code Example

```
public String ResendMailDeliverable() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                ResendMailDeliverable/31C364347D364D0AA2EB2853340CA25D";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

## C# Code Example

```
public string ResendMailDeliverable()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                ResendMailDeliverable/31C364347D364D0AA2EB2853340CA25D";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Methods for Custom Attributes

---

This section describes service calls related to custom attributes.

## Delete Custom Attributes

---

### API Type

REST

### HTTP Method

POST

## Description

Deletes multiple custom attributes using a custom ID.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/DeleteCustomAttrs/[customID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/DeleteCustomAttrs/[customID]

## Request Parameters

Name	Description
customID	<p><u>Definition:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

## JavaScript Code Example

```
$("#btnDeleteCustomAttrs").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            DeleteCustomAttrs/CFF4B6D3DBF546A2B0423AD413A94420"
    });
});
```

## Java Code Example

```
public String DeleteCustomAttrs() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        DeleteCustomAttrs/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string DeleteCustomAttrs ()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                DeleteCustomAttrs/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL);
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Custom Attribute

---

## API Type

REST

## HTTP Method

POST

## Description

Retrieves a single custom attribute.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttr/[customID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttr/[customID]

## Request Parameters

Name	Description
customID	<u>Definition:</u>

Name	Description
	<p>A work object ID specified within a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One valid work object ID.</p>

## Request Body Properties

Name	Description
attrName	<p><u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid name.</p>

## JavaScript Code Example

```
$("#btnGetCustomAttr").click(function () {
    var JSONObject = {
        attrName: "/pd:myFields/pd:orgamount";
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttr/AAA82AAE37054A1AB469FB480028A7A3",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String GetCustomAttr() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttr/AAA82AAE37054A1AB469FB480028A7A3";
    HTTPOperations ops = new HTTPOperations(domain, userName, password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("attrName", "/pd:myFields/pd:orgamount");
}
```

```
return ops.POSTMethod(URI, postData.toString());  
return "";  
}
```

## C# Code Example

```
public string GetCustomAttr()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetCustomAttr/AAA82AAE37054A1AB469FB480028A7A3";  
  
    string jsonRequestdata = "{  
        \"attrName\": \"\" + \"/pd:myFields/pd:file\" + \"\"}\"";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URL, jsonRequestdata);  
}
```

## Output

Custom attribute value (can be string, integer, float, double, bool, and/or DateTime).

## JSON Response Body Example

```
"100.2"
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Custom Attributes By ID

---

## API Type

REST

## HTTP Method

GET

## Description

Gets all the custom attributes with the specified array of custom IDs.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttrsbyID/[customID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttrsbyID/[customID]

## Request Parameters

Name	Description
customID	<p><u>Definition:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

### JavaScript Code Example

```
$("#btnGetCustomAttrsByID").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetCustomAttrsByID/00084509E95E4A72B51A602DB6EA182C",
        type: "GET"
    });
});
```

### Java Code Example

```
public String GetCustomAttrsByID() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetCustomAttrsbyID/00084509E95E4A72B51A602DB6EA182C";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

### C# Code Example

```
public string GetCustomAttrsByID()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
        GetCustomAttrsByID/00084509E95E4A72B51A602DB6EA182C";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URL);
}
```

## Output

XML Serialized object of custom attributes with the specified custom id.

### JSON Response Body Example

```
{
  "GetCustomAttrsByIDResult": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <ArrayOfNameValue xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance
                        xmlns:xsd=\"http://www.w3.org/2001
                        /XMLSchema\">
    <NameValue>
      <Name>Test</Name>
      <Value xsi:type=\"xsd:string\">Global Custom Attr</Value>
    </NameValue>
    <NameValue>
      <Name>URL</Name>
      <Value xsi:type=\"xsd:string\">localhost:8888</Value>
    </NameValue>
  </ArrayOfNameValue>"
}
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Custom Attributes By IDs

---

### API Type

REST

### HTTP Method

POST

### Description

Gets all the custom attributes with the specified array of custom ids.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttrsbyIDs

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttrsbyIDs

### Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
customIDs	<p><u>Definition:</u></p> <p>Multiple work object IDs specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid work object IDs.</p>

### JavaScript Code Example

```
$("#btnGetCustomAttrsbyIDs").click(function () {
    var JSONObject = {
        customIDs : "0080D881497C47C19B32BD45967E8ABA;
                    0C98EAF88D1F4F6A8E5E3B1C9A25D8D7;
                    351BC22E020D439AB724123ACB76FCDA"
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsbyIDs",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String GetCustomAttrsbyIDs() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
GetCustomAttrsbyIDs";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("customIDs", "AAA82AAE37054A1AB469FB480028A7A3");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string GetCustomAttrsbyIDs()
{
```

```

    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
GetCustomAttrbyIDs";

    string jsonRequestdata = "{
    \"customIDs\": \"\" + \"0080D881497C47C19B32BD45967E8ABA;
0C98EAF88D1F4F6A8E5E3B1C9A25D8D7;
351BC22E020D439AB724123ACB76FCDA\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}

```

## Output

Array of [KeyValue](#). Key is customIDs and Value is XML serialized WFCustomAttributes.

## JSON Response Body Example

```

[
  {
    "Key": "0080D881497C47C19B32BD45967E8ABA",
    "Value": "<?xml version='1.0' encoding='utf-8'?>
    <ArrayOfNameValue xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance
    xmlns:xsd='http://www.w3.org/2001
    /XMLSchema'>
      <NameValue>
        <Name>Test</Name>
        <Value xsi:type='xsd:string'>Global Custom Attr</Value>
      </NameValue>
      <NameValue>
        <Name>URL</Name>
        <Value xsi:type='xsd:string'>localhost:8888</Value>
      </NameValue>
    </ArrayOfNameValue>"
  },
  {
    "Key": "0C98EAF88D1F4F6A8E5E3B1C9A25D8D7",
    "Value": "<?xml version='1.0' encoding='utf-8'?>
    <ArrayOfNameValue xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance
    xmlns:xsd='http://www.w3.org/2001
    /XMLSchema'>
      <NameValue>
        <Name>Test</Name>
        <Value xsi:type='xsd:string'>Process Attr</Value>
      </NameValue>
      <NameValue>
        <Name>URL</Name>
        <Value xsi:type='xsd:string'>localhost:7777</Value>
      </NameValue>
    </ArrayOfNameValue>"
  },
  {
    "Key": "351BC22E020D439AB724123ACB76FCDA",
    "Value": "<?xml version='1.0' encoding='utf-8'?>
    <ArrayOfNameValue xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance
    xmlns:xsd='http://www.w3.org/2001
    /XMLSchema'>
      <NameValue>
        <Name>Test</Name>

```

```

    <Value xsi:type=\"xsd:string\">Global Custom Attr</Value>
  </NameValue>
  <NameValue>
    <Name>URL</Name>
    <Value xsi:type=\"xsd:string\">localhost:666</Value>
  </NameValue>
</ArrayOfNameValue>\"
}]

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Custom Attributes By Names

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves a list of custom attributes using their names or xpaths.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttrsByNames

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttrsByNames

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
AttrNames	<p><u>Definition:</u></p> <p>A group of process attributes names.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>An array of valid process attribute names.</p>
CustomIDs	<p><u>Definition:</u></p> <p>Multiple work object IDs specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid work object IDs.</p>

### JavaScript Code Example

```

$("#btnGetCustomAttrsByNames").click(function () {
    var JSONObject = {
        CustomIDs: "AAA82AAE37054A1AB469FB480028A7A3;94A76E58E3704BF8AE09A6900C130556",
        AttrNames: "/pd:myFields/pd:orgamount;/pd:myFields/pd:objwithSubArray;/pd:myFields/pd:dept"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsByNames",
        data: JSON.stringify(JSONObject)
    });
});

```

### Java Code Example

```

public String GetCustomAttrsByNames() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsByNames";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("CustomIDs",
        "AAA82AAE37054A1AB469FB480028A7A3;94A76E58E3704BF8AE09A6900C130556");
    postData.put(
        "AttrNames",
        "/pd:myFields/pd:orgamount;/pd:myFields/pd:objwithSubArray;/pd:myFields/pd:dept");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

## C# Code Example

```
public string GetCustomAttrsByNames ()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
GetCustomAttrsByNames";

    string jsonRequestdata = "{
        \"CustomIDs\": \"AAA82AAE37054A1AB469FB480028A7A3;
        94A76E58E3704BF8AE09A6900C130556\",
        \"Name\": \"\\pd:myFields\\pd:orgamount;
        \\pd:myFields\\pd:objwithSubArray;
        \\pd:myFields\\pd:dept\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}
```

## JSON Response Body Example

```
[{
  "Key": "AAA82AAE37054A1AB469FB480028A7A3",
  "Value": "<?xml version='1.0' encoding='utf-8'?>
  <ArrayOfNameValue xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance
  xmlns:xsd='http://www.w3.org/2001
  /XMLSchema'>
    <NameValue>
      <Name>\\pd:myFields\\pd:orgamount</Name>
      <Value xsi:type='xsd:string'>100.2</Value>
    </NameValue>
    <NameValue>
      <Name>\\pd:myFields\\pd:objwithSubArray</Name>
      <Value xsi:type='xsd:string'></Value>
    </NameValue>
    <NameValue>
      <Name>\\pd:myFields\\pd:dept</Name>
      <Value xsi:type='xsd:string'>Administrator</Value>
    </NameValue>
  </ArrayOfNameValue>"
}
{
  "Key": "94A76E58E3704BF8AE09A6900C130556",
  "Value": "<?xml version='1.0' encoding='utf-8'?>
  <ArrayOfNameValue xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance
  xmlns:xsd='http://www.w3.org/2001
  /XMLSchema'>
    <NameValue>
      <Name>\\pd:myFields\\pd:orgamount</Name>
      <Value xsi:type='xsd:string'>190.2</Value>
    </NameValue>
    <NameValue>
      <Name>\\pd:myFields\\pd:objwithSubArray</Name>
      <Value xsi:type='xsd:string'></Value>
    </NameValue>
    <NameValue>
      <Name>\\pd:myFields\\pd:dept</Name>
      <Value xsi:type='xsd:string'>Human Resource</Value>
    </NameValue>
  </ArrayOfNameValue>
}
```

```
</ArrayOfNameValue>"
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Remove Custom Attribute

---

### API Type

REST

### HTTP Method

POST

### Description

Removes a custom attribute from a custom ID.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/RemoveCustomAttr/[customID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/RemoveCustomAttr/[customID]

### Request Parameters

Name	Description
customID	<p><u>Definition:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

### Request Body Properties

Name	Description
attributeName	<p><u>Definition:</u></p>

Name	Description
	<p>The name of the process instance attribute you want.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process instance attribute.</p>

### JavaScript Code Example

```
$("#btnRemoveCustomAttr").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            RemoveCustomAttr/864739D327144B22A48F77FAC09A24DB/test1",
    });
});
```

### Java Code Example

```
public String RemoveCustomAttr() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        RemoveCustomAttr/864739D327144B22A48F77FAC09A24DB";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("attrName", "/pd:myFields/pd:orgamount");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string RemoveCustomAttr()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
        RemoveCustomAttr/864739D327144B22A48F77FAC09A24DB/test1";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.POSTMethod(URL);
}
```

### Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Remove Custom Attributes

---

## API Type

REST

## HTTP Method

POST

## Description

Removes multiple custom attributes from a custom ID.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/RemoveCustomAttrs/[customID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/RemoveCustomAttrs/[customID]

## Request Parameters

Name	Description
customID	<p><u>Definition:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

## Request Body Properties

Name	Description
namesArray	<p><u>Definition:</u></p> <p>The the names of one or more items, such as a properties or attributes.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid names.</p>

### JavaScript Code Example

```
$("#btnRemoveCustomAttrs").click(function () {
    var JSONObject = { namesArray: "test2;ErrorMessage"};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            RemoveCustomAttrs/864739D327144B22A48F77FAC09A24DB",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String RemoveCustomAttrs() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        RemoveCustomAttrs/864739D327144B22A48F77FAC09A24DB";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("namesArray", "TotalCost;ErrorMessage");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string RemoveCustomAttrs()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
        RemoveCustomAttrs/864739D327144B22A48F77FAC09A24DB";
    string jsonRequestdata = "{
        \"namesArray\": \"\" + \"test2;ErrorMessage\" + \"\"}";
```

```

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL, jsonRequestdata);
}

```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Set Custom Attributes

---

### API Type

REST

### HTTP Method

POST

### Description

Sets names and values for multiple custom attributes for a specified custom ID.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/SetCustomAttrs/[customID]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/SetCustomAttrs/[customID]

### Request Parameters

Name	Description
customID	<p><u>Definition:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> One valid work object ID.

## Request Body Properties

Name	Description
attributes	<u>Definition:</u> Name-value pairs associated with a custom ID.  <u>Type</u> <a href="#">NameValue</a>  <u>Allowed Values:</u> A valid custom ID with an associated name.

## JavaScript Code Example

```
$("#btnSetCustomAttrs").click(function () {
  var JSONObject = {
    attributes: [{ Name: "test1", Value: "test123" },
                { Name: "test2", Value: "test1234"}]
  };
  $.ajax({
    url: "https://mydomain:9011/AgilePointServer/Workflow/
         SetCustomAttrs/C09EA09523C84E458A09E4101FCE6E1F",
    data: JSON.stringify(JSONObject)
  });
});
```

## Java Code Example

```
public String SetCustomAttrs() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
               SetCustomAttrs/C09EA09523C84E458A09E4101FCE6E1F";

  HTTPOperations ops = new HTTPOperations(domain, userName,
                                          password, appID, locale);

  JSONObject postMainObject = new JSONObject();
  JSONArray postArray = new JSONArray();
  String[] Name = { "Team", "Country" };
  String[] Value = { "Success", "Success" };

  for (int i = 0; i < Name.length; i++) {
    JSONObject postData = new JSONObject();
    postData.put("Name", Name[i]);
    postData.put("Value", Value[i]);
  }
}
```

```
        postArray.put(postData);
    }
    postMainObject.put("attributes", postArray);
    return ops.POSTMethod(URL, postMainObject.toString());
    return "";
}
```

## C# Code Example

```
public string SetCustomAttrs()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                SetCustomAttrs/C09EA09523C84E458A09E4101FCE6E1F";

    string jsonRequestData = "{
        \"attributes\": [ {\"Name\": \"test1\",
        \"Value\": \"test123\"},
        {\"Name\": \"test2\",
        \"Value\": \"test1234\"} ] }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Group, Role, and Rights

---

This section describes service calls related to the groups, roles, and rights.

## Add Group

---

### API Type

REST

### HTTP Method

POST

## Description

Adds a group to the AgilePoint system.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/AddGroup

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/AddGroup

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
Description	<p><u>Definition:</u> A free text description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Definition:</u> Enables or disables an entity.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>
GroupName	<p><u>Definition:</u> Specifies the name of a group.</p> <p><u>Type</u></p>

Name	Description
	<p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>
ResponsibleUser	<p><u>Definition:</u></p> <p>The user name for the responsible user of this group.</p> <p>The responsible user must be a registered AgilePoint user.</p> <p><u>Type</u></p> <p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

### JavaScript Code Example

```
$("#btnAddGroup").click(function () {
    var JSONObject = {
        GroupName: "test1234", Description: "test",
        ResponsibleUser: "demo3\\brian.lucas", Enabled: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddGroup",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String AddGroup() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddGroup";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("GroupName", "Managers");
    postData.put("Description", "Managers");
    postData.put("ResponsibleUser", "demo3\\brian.lucas");
    postData.put("Enabled", "true");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string AddGroup()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddGroup";

    string jsonRequestData = "{
        \"GroupName\": \"\" + \"Testgroup\" + \"\",
        \"Description\": \"\" + \"test\" + \"\",
        \"ResponsibleUser\": \"\" + \"demo3\\\\\\\\brian.lucas\" + \"\",
        \"Enabled\": \"true\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

WFGGroup object represented the group that is added.

## JSON Response Body Example

```
{
  "CreatedBy": "demo3\\administrator",
  "CreatedDate": "\\Date(1394323861255+0000)\\/",
  "Description": "test",
  "Enabled": true,
  "LastModifiedBy": null,
  "LastModifiedDate": "\\Date(-62135568000000+0000)\\/",
  "Name": "test1234",
  "ResponsibleUser": "demo3\\\\brian.lucas",
  "Source": null
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Add Group Member

---

### API Type

REST

### HTTP Method

POST

### Description

Adds a user as a member of a group.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/AddGroupMember

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/AddGroupMember

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Description	<p><u>Definition:</u></p> <p>A free text description of an entity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
Enabled	<p><u>Definition:</u></p> <p>Enables or disables an entity.</p> <p><u>Type</u></p> <p>bool</p>

Name	Description
	<u>Allowed Values:</u> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>
GroupName	<u>Definition:</u> Specifies the name of a group.  <u>Type</u> string  <u>Allowed Values:</u> A valid group name.
UserName	<u>Definition:</u> The user name for the user.  <u>Type</u> string  <u>Allowed Values:</u> A valid user name for a registered AgilePoint user.

These properties are based on the class [AddGroupMemberHelper](#)

### JavaScript Code Example

```
$("#btnAddGroupMember").click(function () {
    var JSONObject = {
        GroupName: "test1234", Description: "test123", UserName: "demo3\\brian.lucas",
        ClientData: null, Enabled: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddGroupMember",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String AddGroupMember() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddGroupMember";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
```

```

    postData.put("GroupName", "Managers");
    postData.put("Description", "Managers");
    postData.put("UserName", "demo3\\brian.lucas");
    postData.put("ClientData", "");
    postData.put("Enabled", "true");

    return ops.POSTMethod(URI, postData.toString());
return "";
}

```

## C# Code Example

```

public string AddGroupMember()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddGroupMember";

    string jsonRequestData = "{
        \"GroupName\": \"Managers\" + \"\",
        \"Description\": \"test\" + \"\",
        \"UserName\": \"demo3\\brian.lucas\" + \"\",
        \"ClientData\": null + \"\",
        \"Enabled\": \"true\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}

```

## Output

WFGroupMember object that contains the data for the new group member.

## JSON Response Body Example

```

{
  "ClientData": null
  "CreatedBy": "DEMO3\administrator"
  "CreatedDate": "\/Date(928149600000)\/",
  "Description": "test123"
  "Enabled": true
  "Member": "demo3\\brian.lucas"
  "Name": "test1234"
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Add Role

---

### API Type

REST

## HTTP Method

POST

## Description

Adds a role to the AgilePoint system.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/AddRole

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/AddRole

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
RoleName	<p><u>Definition:</u> The name of a role.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid role name.</p>
Description	<p><u>Definition:</u> A free text description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Rights	<p><u>Definition:</u> Specifies the rights that are assigned to the Role.</p>

Name	Description
	<p><u>Type</u></p> <p>WFAccessRights</p> <p><u>Allowed Values:</u></p> <p>An array of index values. See the table for appropriate indexes.</p> <p>WFAccessRights provides the enums for rights. See the sample code for more information.</p>
Enabled	<p><u>Definition:</u></p> <p>Enables or disables an entity.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>

## Access Rights

Index	Rights
0	Register and modify the user information
1	Unregister a user
2	Add and modify role information
3	Remove a role
4	Add and modify group information
5	Remove a group
6	Modify and view system information
7	Add a process definition
8	Check in and check out a process definition
9	Delete or disable a process definition
10	Release a process definition
11	Initiate a process
12	Suspend and resume a process
13	Resend and cancel an email notification
14	Cancel a process

Index	Rights
15	Rollback a process
16	Reassign a task
17	Cancel a task
18	Create a task
19	Add, remove and modify delegation
20	Add, remove and modify report configuration
21	Achieve and restore processes
22	Add, remove and modify shared custom attributes
23	View process details

### JavaScript Code Example

```

$("#btnAddRole").click(function () {

    var JSONObject = {
        RoleName: "testasd12",
        Description: "test",
        Enabled: true,
        Rights: ["InitiateProcessInstance", "CancelProcessInstance",
                "ViewProcessDetails"]
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddRole",
        data: JSON.stringify(JSONObject)
    });

});

```

### Java Code Example

```

public String AddRole() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddRole";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("RoleName", "Regional Managers");
    postData.put("Description", "Region wide Managers");
    postData.put("Enabled", "true");
    JSONArray rights = new JSONArray();
    String[] Rights = { "InitiateProcessInstance",
        "CancelProcessInstance", "ViewProcessDetails" };
    for (String temp : Rights) {
        rights.put(temp);
    }
    postData.put("Rights", rights);
}

```

```

    return ops.POSTMethod(URL, postData.toString());
return "";
}

```

## C# Code Example

```

public string AddRole()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddRole";

    string jsonRequestData = "{
        \"RoleName\": \"\" + \"testasd12\" + \"\",
        \"Description\": \"\" + \"test\" + \"\",
        \"Enabled\": \"true\",
        \"Rights\": [ \"InitiateProcessInstance\",
        \"CancelProcessInstance\",
        \"ViewProcessDetails\" ] }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}

```

## Output

WFRole object for the role that is added.

## JSON Response Body Example

```

{
  "CreatedBy": "demo3\\administrator",
  "CreatedDate": "\/Date(1394324078561+0000)\/",
  "Description": "test",
  "Enabled": true,
  "LastModifiedBy": null,
  "LastModifiedDate": "\/Date(-62135568000000+0000)\/",
  "Name": "testasd12",
  "RightFlags": "NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN"
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Add Role Member

---

### API Type

REST

### HTTP Method

POST

### Description

Adds a user or a group to a role.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/AddRoleMember

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/AddRoleMember

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
Assignee	<p><u>Definition:</u></p> <p>The name of the assignee.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name or group name, depending upon the assignee type.</p>
AssigneeType	<p><u>Definition:</u></p> <p>The type for the assignee for the task.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>User</b> - Assigns the task to a user.</li> <li>• <b>Group</b> - Assigns the task to a group.</li> </ul>
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
ObjectID	<p><u>Definition:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>
ObjectType	<p><u>Definition:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>
RoleName	<p><u>Definition:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

These properties are based on the class [AddRoleMemberHelper](#)

## JavaScript Code Example

```
$("#btnAddRoleMember").click(function () {

    var JSONObject = {
        RoleName: "Administrators", Assignee: "DEMO3\HR",
        AssigneeType: "User",
        ClientData: null, ObjectID: "00000000000000000000000000000000",
        ObjectType: "All"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddRoleMember",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String AddRoleMember() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddRoleMember";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("RoleName", "Regional Managers");
    postData.put("Assignee", "DEMO3\HR");
    postData.put("AssigneeType", "User");
    postData.put("ClientData", "");
    postData.put("ObjectID", "00000000000000000000000000000000");
    postData.put("ObjectType", "All");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string AddRoleMember()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddRoleMember";

    string jsonRequestData = "{
        \"RoleName\": \"\" + \"Administrators\" + \"\",
        \"Assignee\": \"\" + \"demo3\\\\\\\\brian.lucas\" + \"\",
        \"AssigneeType\": \"\" + \"User\" + \"\",
        \"clientData\": \"\" + null + \"\",
        \"ObjectID\": \"\" + \"00000000000000000000000000000000\" + \"\",
        \"ObjectType\": \"\" + \"All\" + \"\"}"

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

WFRoleMember object.

## JSON Response Body Example

```
{
  "Assignee": "DEMO3\HR"
  "AssigneeType": "User"
  "ClientData": null
  "CreatedBy": "demo3\brian.lucas"
  "CreatedDate": "\/Date(928149600000)\/",
  "ObjectID": "00000000000000000000000000000000"
  "ObjectName": null
  "ObjectType": "All"
  "RoleName": "Administrators"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Access Rights

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves the access rights for a specified user.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetAccessRights

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetAccessRights

### Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
userName	<p><u>Definition:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

### JavaScript Code Example

```
$("#btnGetAccessRights").click(function () {
    var JSONObject = {
        userName: "demo3\\administrator"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetAccessRights",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String GetAccessRights() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetAccessRights";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("userName", "demo3\\administrator");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string GetAccessRights()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetAccessRights";

    string jsonRequestData = "{\"userName\": \"" + "demo3\\administrator" + "\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
}
```

```
    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

An array of integers that represent the access rights of the user.

## JSON Response Body Example

```
[
  0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23
]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Access Right Names

---

## API Type

REST

## HTTP Method

GET

## Description

Retrieves the names of all the access rights in the AgilePoint system.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetAccessRightNames

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetAccessRightNames

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetAccessRightNames").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetAccessRightNames",
        type: "GET"
    });
});
```

```
});
```

## Java Code Example

```
public String GetAccessRightNames() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetAccessRightNames";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetAccessRightNames()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
GetAccessRightNames";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URL);
}
```

## Output

An array of strings that contain the names of all the access rights for the system.

## JSON Response Body Example

```
{
  "GetAccessRightNamesResult":[
    "Register and modify the user information",
    "Unregister a user",
    "Add and modify the role information",
    "Remove a role",
    "Add and modify the group information",
    "Remove a group",
    "Modify/View the system configuration",
    "Add a process template",
    "Checkin and checkout a process template",
    "Delete and disable a process template",
    "Release a process template",
    "Initiate a process",
    "Suspend and resume a process",
    "Resend and cancel an email notification",
    "Cancel a process",
    "Rollback a process",
    "Reassign a task",
    "Cancel a task",
    "Create a task",
    "Add, remove, and modify delegation",
    "Add, remove, and modify report configuration",
    "Archive and restore process(es)",
    "Add, remove, and modify shared custom attributes",
    "View Process details",
  ]
}
```

```

"Modify custom attributes*",
"View custom attributes*",
"Allow to execute QueryDatabase() and QueryDatabaseEx()*",
"Mark automatic work item completion*",
"Save or remove temporary file*"
]}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Group

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves a group object with the specified group name.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetGroup/[groupName]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetGroup/[groupName]

### Request Parameters

Name	Description
groupName	<p><u>Definition:</u></p> <p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>

### JavaScript Code Example

```

$("#btnGetGroup").click(function () {
    $.ajax({

```

```
    url: "https://mydomain:9011/AgilePointServer/Admin/
        GetGroup/Finance Coordinator",
    type: "GET"
  });
});
```

## Java Code Example

```
public String GetGroup() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
                GetGroup/Finance Coordinator";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetGroup()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
                GetGroup/Finance Coordinator";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URL);
}
```

## Output

WFGroup object. If the specified group does not exist, the output is null.

## JSON Response Body Example

```
{
  "GetGroupResult":{
    "CreatedBy":"DEMO3\\administrator",
    "CreatedDate":"\\/Date(928149600000)\\/",
    "Description":"test",
    "Enabled":true,
    "LastModifiedBy":"",
    "LastModifiedDate":" \\/Date(928149600000)\\/",
    "Name":"Finance Coordinator",
    "ResponsibleUser":"DEMO3\\administrator"
  }
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Group Members

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the members of a specified group.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetGroupMembers/[groupName]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetGroupMembers/[groupName]

### Request Parameters

Name	Description
groupName	<p><u>Definition:</u></p> <p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>

### JavaScript Code Example

```
$("#btnGetGroupMembers").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetGroupMembers/Finance Coordinator",  
        type: "GET"  
    });  
});
```

### Java Code Example

```
public String GetGroupMembers() {
```

```
String URI = "https://mydomain:9011/AgilePointServer/Admin/
             GetGroupMembers/Finance Coordinator";

HTTPOperations ops = new HTTPOperations(domain, userName,
                                         password, appID, locale);

return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetGroupMembers ()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
                GetGroupMembers/Finance Coordinator";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                             password, appID, locale);

    return ops.GetData (URL);
}
```

## Output

An array of WFGroupMember objects.

## JSON Response Body Example

```
{
  "GetGroupMembersResult": [{
    "ClientData": "",
    "CreatedBy": "DEMO3\\administrator",
    "CreatedDate": "\\Date (928149600000)\\",
    "Description": "",
    "Enabled": true,
    "Member": "DEMO3\\administrator",
    "Name": "Finance Coordinator"
  }]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Groups

---

## API Type

REST

## HTTP Method

GET

## Description

Retrieves all the group objects in the system.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetGroups

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetGroups").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetGroups",  
        type: "GET"  
    });  
  
});
```

## Java Code Example

```
public String GetGroups() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetGroups";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

## C# Code Example

```
public string GetGroups()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetGroups";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URL);  
}
```

## Output

An Array of WFGroup objects.

## JSON Response Body Example

```
{
  "GetGroupsResult": [{
    "CreatedBy": "DEMO3\\administrator",
    "CreatedDate": "\/Date(928149600000)\/",
    "Description": "test123",
    "Enabled": true,
    "LastModifiedBy": "DEMO3\\administrator",
    "LastModifiedDate": "\/Date(928149600000)\/",
    "Name": "Test1",
    "ResponsibleUser": "DEMO3\\administrator"
  }]
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Role

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves a role object by name.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetRole/[roleName]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetRole/[roleName]

### Request Parameters

Name	Description
roleName	<p><u>Definition:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid role name.

### JavaScript Code Example

```
$("#btnGetRole").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            GetRole/Administrators",
        type: "GET"
    });
});
```

### Java Code Example

```
public String GetRole() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        GetRole/Administrators";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

### C# Code Example

```
public string GetRole()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
        GetRole/Administrators";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URL);
}
```

### Output

WFRole object with the specified role name.

### JSON Response Body Example

```
{
  "GetRoleResult":{
    "CreatedBy: "DEMO3\\administrator"
    "CreatedDate": "\\Date(928149600000)\\",
    "Description: "Administrators have complete access to maintain system"
    "Enabled: true
    "LastModifiedBy: "DEMO3\\administrator"
    "LastModifiedDate": "\\Date(928149600000)\\",
    "Name: "Administrators"
    "RightFlags": "YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY"
  }
}
```



```
});
```

## Java Code Example

```
public String GetRoles() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetRoles";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetRoles()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetRoles";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URL);
}
```

## Output

An array of WFRole objects that includes all roles.

## JSON Response Body Example

```
{
  "GetRolesResult":[{
    "CreatedBy": "DEMO3\\administrator"
    "CreatedDate": "\\Date(928149600000)\\",
    "Description": "Administrators have complete access to maintain system"
    "Enabled": true
    "LastModifiedBy": "DEMO3\\administrator"
    "LastModifiedDate": "\\Date(928149600000)\\",
    "Name": "Administrators"
    "RightFlags": "YYYYYYYYYYYYYYYYYYYYYYYY
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
        NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN"
  }
  {
    "CreatedBy": "DEMO3\\HR"
    "CreatedDate": "\\Date(928149600000)\\",
    "Description": "Administrators have complete access to maintain system"
    "Enabled": true
    "LastModifiedBy": "DEMO3\\administrator"
    "LastModifiedDate": "\\Date(928149600000)\\",
    "Name": "Administrators"
  }
}
```

```

"RightFlags": "YYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNN"
}
] }
    
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Role Members

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves the members assigned to a role that match a specified SQL statement.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/QueryRoleMembers/[roleName]

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/QueryRoleMembers/[roleName]

### Request Parameters

Name	Description
roleName	<p><u>Definition:</u> The name of a role.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid role name.</p>

## Request Body Properties

Name	Description
sqlWhereClause	<p><u>Definition:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

### JavaScript Code Example

```
$("#btnQueryRoleMembers").click(function () {
    var JSONObject = { sqlWhereClause: "ASSIGNEE_TYPE='User'"};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            QueryRoleMembers/Administrators",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String QueryRoleMembers() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        QueryRoleMembers/Administrators";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("sqlWhereClause", "ASSIGNEE_TYPE='User'");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string QueryRoleMembers()
{
    string jsonRequestData = "{\"sqlWhereClause\": \"'\" + \"ASSIGNEE_TYPE='User'\" +
    \"}\"";

    string URL="https://mydomain:9011/AgilePointServer/Admin/
```

```

        QueryRoleMembers/Administrators";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}

```

## Output

Returns array of WFRoleMember members of the role that match the specified SQL statement.

## JSON Response Body Example

```

[[{
  "Assignee": "DEMO3\\administrator",
  "AssigneeType": "User",
  "ClientData": "",
  "CreatedBy": "DEMO3\\administrator",
  "CreatedDate": "\\Date (928149600000)\\",
  "ObjectID": "00000000000000000000000000000000",
  "ObjectName": null,
  "ObjectType": "All",
  "RoleName": "Administrators"
},
{
  "Assignee": "DEMO3\\HR",
  "AssigneeType": "User",
  "ClientData": "",
  "CreatedBy": "DEMO3\\administrator",
  "CreatedDate": "\\Date (928149600000)\\",
  "ObjectID": "00000000000000000000000000000000",
  "ObjectName": null,
  "ObjectType": "All",
  "RoleName": "Administrators"
}]]

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Remove Group

---

### API Type

REST

### HTTP Method

POST

### Description

Removes a group from the AgilePoint system.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/RemoveGroup/[groupName]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/RemoveGroup/[groupName]

## Request Parameters

Name	Description
groupName	<p><u>Definition:</u></p> <p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>

## JavaScript Code Example

```
$("#btnRemoveGroup").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            RemoveGroup/testGroup"
    });
});
```

## Java Code Example

```
public String RemoveGroup() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        RemoveGroup/Regional HR";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

## C# Code Example

```
public string RemoveGroup()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
        RemoveGroup/ProjectLead";
```

```

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL);
}

```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Remove Group Member

---

## API Type

REST

## HTTP Method

POST

## Description

Removes a member from a group.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/RemoveGroupMember

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/RemoveGroupMember

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
GroupName	<u>Definition:</u>

Name	Description
	Specifies the name of a group.  <u>Type</u> string  <u>Allowed Values:</u> A valid group name.
UserName	<u>Definition:</u> The user name for the user.  <u>Type</u> string  <u>Allowed Values:</u> A valid user name for a registered AgilePoint user.

These properties are based on the class [RemoveGroupMemberHelper](#)

### JavaScript Code Example

```
$("#btnRemoveGroupMember").click(function () {
    var JSONObject = {
        GroupName: "test1234",
        UserName: "demo3\\brian.lucas"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String RemoveGroupMember() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("GroupName", "Regional HR");
    postData.put("UserName", "demo3\\brian.lucas");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string RemoveGroupMember()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember";

    string jsonRequestData = "{
        \"GroupName\": \"Administrators\" + "\",
        \"UserName\": \"demo3\\brian.lucas\" + \"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Remove Role

---

## API Type

REST

## HTTP Method

POST

## Description

Removes a role from the AgilePoint system.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/RemoveRole/[roleName]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/RemoveRole/[roleName]

## Request Parameters

Name	Description
roleName	<p><u>Definition:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

### JavaScript Code Example

```
$("#btnRemoveRole").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            RemoveRole/testRole"
    });
});
```

### Java Code Example

```
public String RemoveRole() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        RemoveRole/Development";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

### C# Code Example

```
public string RemoveRole()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
        RemoveRole/myrole";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URL);
}
```

### Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Remove Role Member

---

## API Type

REST

## HTTP Method

POST

## Description

Removes a user or a group from a specified role.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/RemoveRoleMember

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/RemoveRoleMember

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
Assignee	<p><u>Definition:</u> The name of the assignee.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid user name or group name, depending upon the assignee type.
AssigneeType	<p><u>Definition:</u></p> <p>The type for the assignee for the task.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>User</b> - Assigns the task to a user.</li> <li>• <b>Group</b> - Assigns the task to a group.</li> </ul>
ObjectID	<p><u>Definition:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>
RoleName	<p><u>Definition:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

These properties are based on the class [RemoveRoleMemberHelper](#)

### JavaScript Code Example

```
$("#btnRemoveRoleMember").click(function () {
    var JSONObject = {
        RoleName: "Administrators", Assignee: "demo3\\brian.lucas",
        AssigneeType: "User",
        ObjectID: "00000000000000000000000000000000"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String RemoveRoleMember() {  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember";  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
    JSONObject postData = new JSONObject();  
    postData.put("RoleName", "Administrators");  
    postData.put("Assignee", "demo3\\brian.lucas");  
    postData.put("AssigneeType", "User");  
    postData.put("ObjectID", "00000000000000000000000000000000");  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

## C# Code Example

```
public string RemoveRoleMember()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember";  
    string jsonRequestData = "{  
        \"RoleName\": \"\" + \"Administrators\" + \"\",  
        \"Assignee\": \"\" + \"demo3\\brian.lucas\" + \"\",  
        \"AssigneeType\": \"\" + \"User\" + \"\",  
        \"ObjectID\": \"\" + \"00000000000000000000000000000000\" + \"\"}";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.POSTMethod(URL, jsonRequestData);  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Update Group

---

### API Type

REST

## HTTP Method

POST

## Description

Updates information for a group.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/UpdateGroup

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/UpdateGroup

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
Description	<p><u>Definition:</u></p> <p>A free text description of an entity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
Enabled	<p><u>Definition:</u></p> <p>Enables or disables an entity.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>
GroupName	<p><u>Definition:</u></p>

Name	Description
	<p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>
ResponsibleUser	<p><u>Definition:</u></p> <p>The user name for the responsible user of this group.</p> <p>The responsible user must be a registered AgilePoint user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

### JavaScript Code Example

```

$("#btnUpdateGroup").click(function () {
    var JSONObject = {
        GroupName: "test1234", Description: "test123",
        ResponsibleUser: "DEMO3\\HR", Enabled: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateGroup",
        data: JSON.stringify(JSONObject)
    });
});

```

### Java Code Example

```

public String UpdateGroup() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateGroup";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    JSONObject postData = new JSONObject();
    postData.put("GroupName", "Development");
    postData.put("Description", "Development");
    postData.put("ResponsibleUser", "DEMO3\\HR");
    postData.put("Enabled", "true");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

```
}
```

## C# Code Example

```
public string UpdateGroup()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/UpdateGroup";

    string jsonRequestData = "{
        \"GroupName\": \"Development\" + "\",
        \"Description\": \"UpdateGroupTeest\" + "\",
        \"ResponsibleUser\": \"DEMO3\\HR\" + "\",
        \"Enabled\": \"true\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

An updated WFGGroup.

## JSON Response Body Example

```
{
  "CreatedBy": "DEMO3\\administrator"
  "CreatedDate": "\\Date (928149600000) \\/",
  "Description": "test123"
  "Enabled": true
  "LastModifiedBy": "DEMO3\\administrator"
  "LastModifiedDate": "\\Date (928149600000) \\/",
  "Name": "test1234"
  "ResponsibleUser": "DEMO3\\HR"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Update Role

---

### API Type

REST

### HTTP Method

POST

### Description

Updates information for a role.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/UpdateRole

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/UpdateRole

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
Description	<p><u>Definition:</u> A free text description of an entity.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Definition:</u> Enables or disables an entity.</p> <p><u>Type</u> <a href="#">bool</a></p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>
Rights	<p><u>Definition:</u> Specifies the rights that are assigned to the Role.</p> <p><u>Type</u> <a href="#">WFAccessRights</a></p> <p><u>Allowed Values:</u></p>

Name	Description
	<p>An array of index values. See the table for appropriate indexes.</p> <p>WFAccessRights provides the enums for rights. See the sample code for more information.</p>
RoleName	<p><u>Definition:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

These properties are based on the class [AddUpdateRoleHelper](#)

### JavaScript Code Example

```
$("#btnUpdateRole").click(function () {
    var JSONObject = {
        RoleName: "testasd12",
        Description: "test",
        Enabled: true,
        Rights: ["InitiateProcessInstance", "CancelProcessInstance"]
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateRole",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String UpdateRole() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateRole";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("RoleName", "Regional Managers");
    postData.put("Description", "Regional Managers");
    postData.put("Enabled", "true");
    JSONArray rights = new JSONArray();
    String[] Rights = { "InitiateProcessInstance",
        "CancelProcessInstance" };
    for (String temp : Rights) {
        rights.put(temp);
    }
}
```



## Get UUID (Universally Unique ID)

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the UUID generated by the AgilePoint Server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetUUID

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetUUID

### Request Parameters

Name	Description
None	Not Applicable

### JavaScript Code Example

```
$("#btnActivateWorkItem").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetUUID",  
        type: "GET"  
    });  
});
```

### Java Code Example

```
public String GetUUID() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetUUID";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

### C# Code Example

```
public string GetUUID()  
{
```

```
string URI = "https://mydomain:9011/AgilePointServer/Workflow/GetUUID";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.GetData(URI);
}
```

## Output

A UUID.

## JSON Response Body Example

```
{
  "GetUUIDResult": "2A32BD8DCF4E41468316332CC31C3E0C"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Audit Trail

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves all audit trail items.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/QueryAuditTrail

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryAuditTrail

### Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
where	<p><u>Definition:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

### JavaScript Code Example

```
$("#btnQueryAuditTrail").click(function () {
    var JSONObject = { where: "CATEGORY = 0 AND PURPOSE='Check-in process definition'"};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String QueryAuditTrail() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("where",
        "CATEGORY = 0 AND PURPOSE='Check-in process definition'");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string QueryAuditTrail()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail";

    string jsonRequestdata = "{
        \"sql\": \"CATEGORY = 0 AND PURPOSE='Check-in process definition'\"}";
```

```
HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL, jsonRequestdata);
}
```

## Output

An array list of WFAuditTrailItem objects.

## JSON Response Body Example

```
[{
  "Category":0,
  "DateOccurred":" \\/Date (928149600000) \\/",
  "Description":"Core.FailedUncheckOut.Ownership",
  "ObjectID":"",
  "ObjectInfo":"",
  "Performer":"DEMO3\\Administrator",
  "Purpose":"Check-in Process Definition",
  "Status":0
},
{
  "Category":0,
  "DateOccurred":" \\/Date (928149600000) \\/",
  "Description":"",
  "ObjectID":"A9F16EC0FC424C8189917DB1E6E8FB5C",
  "ObjectInfo":"SingleCompleteMobileView\\/1.01",
  "Performer":"DEMO3\\Administrator",
  "Purpose":"Check-in Process Definition",
  "Status":0
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Database

---

### API Type

REST

### HTTP Method

POST

### Description

Queries the database with any valid sql query and returns the dataset as a string in XML format.

### URL Format (On Premises)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/QueryDatabase](https://[domain]:[port]/AgilePointServer/Workflow/QueryDatabase)

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/QueryDatabase

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
sql	<p><u>Definition:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

## JavaScript Code Example

```
$("#btnQueryDatabase").click(function () {
  var JSONObject = {
    sql: "SELECT * FROM WF_AUDIT_TRAILS where CATEGORY = 0
        AND PURPOSE='Check-in process definition'"
  };
  $.ajax({
    url: "https://mydomain:9011/AgilePointServer/Workflow/QueryDatabase",
    data: JSON.stringify(JSONObject)
  });
});
```

## Java Code Example

```
public String QueryDatabase() {
  String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryDatabase";
  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);
  JSONObject postData = new JSONObject();
  postData.put(
    "sql",
```

```

        "SELECT * FROM WF_AUDIT_TRAILS where CATEGORY = 0 AND
        PURPOSE='Check-in process definition'");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

## C# Code Example

```

public string QueryDatabase()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryDatabase";

    string jsonRequestdata = "{
        \"where\": \"SELECT * FROM WF_AUDIT_TRAILS where CATEGORY = 0 AND
        PURPOSE='Check-in process definition'\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestdata);
}

```

## Output

An XML string that contains the dataset with the results of the database query.

## JSON Response Body Example

```

"<DataSet>
  <Table>
  <CATEGORY>0</CATEGORY>
  <PURPOSE>Check-in Process Definition</PURPOSE>
  <DATE_OCCURRED>2014-02-13T13:11:59.36</DATE_OCCURRED>
  <PERFORMER>DEMO3\Administrator</PERFORMER>
  <DESCRIPTION>Core.FailedUncheckOut.Ownership</DESCRIPTION>
  <STATUS>Failed</STATUS>
  </Table>
</DataSet>"

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Methods for Events

---

This section describes service calls related to workflow events in the REST API.

### Get Event

---

#### API Type

REST

## HTTP Method

GET

## Description

Retrieves an event object. This service call is usually used to check if a service call has been completed.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Workflow/GetEvent/[eventID]

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetEvent/[eventID]

## Request Parameters

Name	Description
eventID	<p><u>Definition:</u></p> <p>Specifies a unique ID for an event.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique, 32-character ID.</p>

## JavaScript Code Example

```
$("#btnGetEvent").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetEvent/0001D1C507B0451082ECC56BB49713BB",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetEvent() {
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetEvent/0001D1C507B0451082ECC56BB49713BB";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

```
}

```

## C# Code Example

```
public string GetEvent()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetEvent/0001D1C507B0451082ECC56BB49713BB";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                           password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

WFEvent object.

## JSON Response Body Example

```
{
  "GetEventResult":
  {
    "ActivityInstID": "",
    "AutoStart": true,
    "CustomAttributes": null,
    "Diagnostic": true,
    "EndDate": " \\/Date (928149600000) \\/",
    "Entries": 0, "Error": null,
    "EventID": "0001D1C507B0451082ECC56BB49713BB",
    "EventName": "CreateProcessInstance",
    "HighPriority": false,
    "ParamsXml": "<?xml version=\\"1.0\\" encoding=\\"utf-8\\"?>
                <WFEvent>
                  <param name=\\"UserID\\" value=\\"2AD8B7B4C9DF0198087CF50D0DDE
                    7431DF67FBE7D0123CAF969E31FE
                    3C85EE12A1F8F19DDA75A5FF79124
                    BA90DB2311A28DEE43490FCC1B68A7
                    CDD5F50E04BF5 42D0F384820A03BBED
                    C2CD2D2F3E14B9A35F7774812C53B63E
                    A655C2A840B54CC383EA81EB10BF8AE0
                    3CD920A20ECA79\\" \\/>
                  <param name=\\"AutoStart\\" value=\\"True\\" \\/>
                  <param name=\\"WorkObjectID\\" value=\\"AAF1FE3CEEED410BA
                    2D30745ACB95DAA\\" \\/>
                  <param name=\\"ProcInstID\\" value=\\"10B50DDB36A04E66A6
                    277CE0C72688EC\\" \\/>
                  <param name=\\"ProcInstName\\" value=\\"AgileFormMobileApp-
                    7F33E38BC8E945D6B3ED
                    59B666C6ACAD\\" \\/>
                  <param name=\\"ProcDefID\\" value=\\"9A901F728F124055
                    A8759AAB0A97E966\\" \\/>
                  <param name=\\"ClientData\\" value=\\"AAF1FE3CEEED410
                    BA2D30745ACB95DAA\\" \\/>
                <\\/WFEvent>",
    "ParentProcInstID": "",
    "ProcDefID": "9A901F728F124055A8759AAB0A97E966",
  }
}
```

```
"ProcInstID": "10B50DDB36A04E66A6277CE0C72688EC",
"ProcInstName": " mycompany MobileApp-7F33E38BC8E945D6B3ED59B666C6ACAD",
"Sender": "DEMO3\\Administrator",
"SentDate": " \\/Date(928149600000)\\\/",
"SourceWorkItemID": "",
"Status": "Processed",
"TenantID": null,
"UserID": "2AD8B7B4C9DF0198087CF50D0
DDE7431DF67FBE7D0123CAF96
9E31FE3C85EE12A1F8F19DDA7
5A5FF79124BA90DB2311A28DE
E43490FCC1B68A7CDD5F50E04BF5
42D0F384820A03BBEDC2CD2D2F3E
14B9A35F7774812C53B63EA655C2
A840B54CC383EA81EB10BF8AE03C
D920A20ECA79",
"WorkItemID": "",
"WorkObjectID": "AAF1FE3CEEED410BA2D30745ACB95DAA",
"WorkObjectInfo": ""
}
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Administrative Service

---

This section describes service calls related to administrative functions. These calls are found under admin.wsdl.

### Get Database Information

---

#### API Type

REST

#### HTTP Method

GET

#### Description

Retrieves the database information of the current server configuration.

#### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetDatabaseInfo

#### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetDatabaseInfo

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetDatabaseInfo").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetDatabaseInfo() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetDatabaseInfo()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URI);
}
```

## Output

A DatabaseInfo object that represents the database information of the system.

## JSON Response Body Example

```
{
  "GetDatabaseInfoResult":
  {
    "Connstr": "application name= Mycompany Server;
      connection lifetime=5;
      min pool size=10;
      server=DME03;
      database=APDB50R2;
      trusted_Connection=yes"
```

```

    "Provider": null
    "Vendor": "MSSQLDatabase"
  }
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Domain Groups

---

### API Type

REST

### HTTP Method

POST

### Description

Retrieves all the domain group objects.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetDomainGroups

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetDomainGroups

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
Filter	<p><u>Definition:</u> A filter term for groups that is wildcard-enabled.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string in the format (name=[my wildcard filter]).</p>

Name	Description
LDAPPath	<p><u>Definition:</u></p> <p>The LDAP path to the domain.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid LDAP path.</p> <p>If the value is null, the AgilePoint Server machine domain will be used.</p>

### JavaScript Code Example

```
$("#btnGetDomainGroups").click(function () {
    var JSONObject = {
        LDAPPath: "LDAP://\\DC=DEMO3,DC=com",
        Filter: ""
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroups",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String GetDomainGroups() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroups";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("LDAPPath", "LDAP://\\DC=DEMO3,DC=com");
    postData.put("Filter", "");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string GetDomainGroups()
{
    string jsonRequestData = "{
        \"LDAPPath\": \"LDAP://\\DC=demo3,
        DC=com\",
        \"Filter\": \"\"}";

    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroups";
```

```
HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

Array of KeyValue objects. If the specified group is not found, the output is null.

## JSON Response Body Example

```
[{
  "Key": "String content",
  "Value": "String content"
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Domain Group Members

---

## API Type

REST

## HTTP Method

POST

## Description

Retrieves the members of a domain group.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetDomainGroupMembers

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetDomainGroupMembers

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
groupDistinguishedName	<p><u>Definition:</u></p> <p>Specifies the name of a group in LDAP format.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid a group name in LDAP format.</p>

### JavaScript Code Example

```
$("#btnGetDomainGroupMembers").click(function () {
    var JSONObject = { groupDistinguishedName: "LDAP://adHocAdmin"};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers",
        data: JSON.stringify(JSONObject)
    });
});
```

### Java Code Example

```
public String GetDomainGroupMembers () {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("groupDistinguishedName", "LDAP://adHocAdmin");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

### C# Code Example

```
public string GetDomainGroupMembers ()
{
    string jsonRequestData = "{
        \"groupDistinguishedName\": \"LDAP://adHocAdmin\"}";

    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
```

```
    return ops.POSTMethod(URL, jsonRequestData);  
}
```

## Output

An array of DomainUser objects.

## JSON Response Body Example

```
{  
  "Department": "String content",  
  "EmailAddress": "String content",  
  "FullName": "String content",  
  "Manager": "String content",  
  "MemberOf": ["String content"],  
  "Title": "String content",  
  "UserName": "String content"  
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Domain Name

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the domain name to which AgilePoint Server connects.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetDomainName

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetDomainName

### Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetDomainName").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainName",  
        type: "GET"  
    });  
  
});
```

## Java Code Example

```
public String GetDomainName() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainName";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

## C# Code Example

```
public string GetDomainName()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainName";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

## Output

A string containing the domain name of the AgilePoint Server machine.

## JSON Response Body Example

```
"String content"
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Domain Users

---

### API Type

REST

## HTTP Method

POST

## Description

Retrieves all the user information in the domain that AgilePoint Server connects. It could be a local Windows system user, or a domain controller on the network.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetDomainUsers

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetDomainUsers

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
Filter	<p><u>Definition:</u></p> <p>A filter term for groups that is wildcard-enabled.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string in the format (name=[my wildcard filter]).</p>
LDAPPath	<p><u>Definition:</u></p> <p>The LDAP path to the domain.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid LDAP path.</p> <p>If the value is null, the AgilePoint Server machine domain will be used.</p>

## JavaScript Code Example

```
$("#btnGetDomainUsers").click(function () {
    var JSONObject = {
        LDAPPath: "LDAP://OU=people,DC=mydomain,DC=com",
        Filter: "(objectCategory=person)"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainUsers",
        data: JSON.stringify(JSONObject)
    });
});
```

## Java Code Example

```
public String GetDomainUsers() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainUsers";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("LDAPPath", "LDAP://OU=people,DC=mydomain,DC=com");
    postData.put("Filter", "(objectCategory=person)");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string GetDomainUsers()
{
    string jsonRequestData = "{
        \"LDAPPath\": \"LDAP://OU=people,
        DC=demo3,
        DC=com\",
        \"Filter\": \"(objectCategory=person)\"}";

    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetDomainUsers";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

## Output

Array of DomainUser objects. If the specified group does not exist, the return value is null.

## JSON Response Body Example

```
[{
    "Department": "String content",
    "EmailAddress": "String content",
    "FullName": "String content",
```

```

    "Manager": "String content",
    "MemberOf": ["String content"],
    "Title": "String content",
    "UserName": "String content"
  }
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Locale

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the default locale for the AgilePoint Server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetLocale

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetLocale

### Request Parameters

Name	Description
None	Not Applicable

### JavaScript Code Example

```

$("#btnGetLocale").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetLocale",
        type: "GET"
    });

});

```

### Java Code Example

```

public String GetLocale() {

```

```
String URI = "https://mydomain:9011/AgilePointServer/Admin/GetLocale";

HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetLocale()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetLocale";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

## Output

Locale abbreviation—for example, en-US.

## JSON Response Body Example

```
{
  "GetLocaleResult": "en-US"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

# Get Register User

---

## API Type

REST

## HTTP Method

POST

## Description

Retrieves the user information for the registered user.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetRegisterUser

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetRegisterUser

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
userName	<p><u>Definition:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

## JavaScript Code Example

```
$("#btnGetRegisterUser").click(function () {
  var JSONObject = {
    userName: "demo3\\administrator"
  };
  $.ajax({
    url: "https://mydomain:9011/AgilePointServer/Admin/
      GetRegisterUser",
    data: JSON.stringify(JSONObject)
  });
});
```

## Java Code Example

```
public String GetRegisterUser() {
  String URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUser";
  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();
  postData.put("userName", "demo3\\administrator");

  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

## C# Code Example

```
public string GetRegisterUser()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUser";
    string jsonRequestData = "{\"userName\":\"\"+\"demo3\\administrator\"+\"\"}";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

RegisteredUser object.

## JSON Response Body Example

```
{
  "Department": "Administrator"
  "EmailAddress": "admin@mycompany.com"
  "FullName": "administrator"
  "Locale": "en-US"
  "Manager": "demo3\Manager"
  "OnlineContact": "admin@mycompany.com"
  "RefID": ""
  "RegisteredDate": " \\/Date(928149600000)\/"
  "TimeZone": ""
  "Title": ""
  "UALExpirationDate": " \\/Date(928149600000)\/"
  "UALNeverExpires": false
  "UserName": "demo3\administrator"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Register Users

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves all registered users.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetRegisterUsers

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetRegisterUsers

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetRegisterUsers").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers",  
        type: "GET"  
    });  
  
});
```

## Java Code Example

```
public String GetRegisterUsers() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

## C# Code Example

```
public string GetRegisterUsers()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

## Output

Returns an array of registered users.

## JSON Response Body Example

```
{
  "GetRegisterUsersResult": [{
    "Department": "Administrator"
    "EmailAddress": "admin@mycompany.com"
    "FullName": "administrator"
    "Locale": "en-US"
    "Manager": "demo3\Manager"
    "OnlineContact": "admin@mycompany.com"
    "RefID": ""
    "RegisteredDate": " \\/Date (928149600000) \\/"
    "TimeZone": ""
    "Title": ""
    "UALExpirationDate": " \\/Date (928149600000) \\/"
    "UALNeverExpires": false
    "UserName": "demo3\\administrator"
  },
  {
    "Department": "Manager"
    "EMailAddress": "manager@mycompany.com"
    "FullName": "Manager"
    "Locale": "en-US"
    "Manager": ""
    "OnlineContact": "manager@mycompany.com"
    "RefID": ""
    "RegisteredDate": " \\/Date (928149600000) \\/"
    "TimeZone": ""
    "Title": ""
    "UALExpirationDate": " \\/Date (928149600000) \\/"
    "UALNeverExpires": false
    "UserName": "demo3\\Manager"
  }
]}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get Sender Email Address

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the sender email address of the AgilePoint Server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetSenderEMailAddress

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetSenderEMailAddress

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetSenderEMailAddress").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSenderEMailAddress",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetSenderEmailAddress() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetSenderEMailAddress";
    HTTPOperations ops = new HTTPOperations(domain, userName, password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetSenderEMailAddress()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetSenderEMailAddress";
    HTTPOperations ops = new HTTPOperations(domain, this.userName, password, appID, locale);
    return ops.GetData(URI);
}
```

## Output

The email address that is configured as the sender email address on the AgilePoint Server.

## JSON Response Body Example

```
{
  "GetSenderEMailAddressResult": "admin@mycompany.com"
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get SMTP Server

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the SMTP server of the current server configuration.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetSmtpServer

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetSmtpServer

### Request Parameters

Name	Description
None	Not Applicable

### JavaScript Code Example

```
$("#btnGetSmtpServer").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSmtpServer",  
        type: "GET"  
    });  
});
```

### Java Code Example

```
public String GetSMTPServer() {  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetSMTPServer";  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

```
}
```

### C# Code Example

```
public string GetSmtpServer()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetSmtpServer";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

### Output

A string that contains the name of the AgilePoint system's SMTP server.

### JSON Response Body Example

```
{  
  GetSmtpServerResult: "String content"  
}
```

### Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get System Performance Information

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves system performance information for AgilePoint Server.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetSysPerfInfo

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetSysPerfInfo

## Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetSysPerfInfo").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo",
        type: "GET"
    });
});
```

## Java Code Example

```
public String GetSysPerfInfo() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

## C# Code Example

```
public string GetSysPerfInfo()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo";
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GetData(URI);
}
```

## Output

WFSysPerfInfo object.

## JSON Response Body Example

```
{
  "GetSysPerfInfoResult":
  {
    "AverageEventProcessingTime":166.920286666666675,
    "AverageEventProcessor":6,
    "AverageWorkingRunner":6,
    "CachedProcDefs":0,
    "CachedProcInsts":0,
    "CapEventProcessor":10,
```

```

"CapWorkingRunner":10,
"CurrentDatabaseConnections":152,
"CurrentEventProcessor":6,
"CurrentWorkingRunner":6,
"HighPriorityEventQueueLength":0,
"LowPriorityEventQueueLength":0,
"MaxDatabaseConnections":153,
"MaxEventProcessingTime":764.4013,
"MaxEventProcessor":6,
"MaxPoolSize":100,
"MaxProcInstCache":2147483647,
"MaxWorkingRunner":6,
"MemoryAllocated":13234,
"MinEventProcessingTime":0,
"MinEventProcessor":5,
"MinWorkingRunner":5,
"NormalPriorityEventQueueLength":0,
"ServerID":"DEMO3\2664"
}
}
}

```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Get System User

---

### API Type

REST

### HTTP Method

GET

### Description

Retrieves the name of the system user.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetSystemUser

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetSystemUser

### Request Parameters

Name	Description
None	Not Applicable

## JavaScript Code Example

```
$("#btnGetSystemUser").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSystemUser",  
        type: "GET"  
    });  
  
});
```

## Java Code Example

```
public String GetSystemUser() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetSystemUser";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

## C# Code Example

```
public string GetSystemUser()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetSystemUser";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

## Output

Returns the name of the system user as a string value.

## JSON Response Body Example

```
{  
  "GetSystemUserResult": "Administrator"  
}
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Query Register Users Using SQL

---

### API Type

REST

## HTTP Method

POST

## Description

Query the list of registered users in AgilePoint.

## URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/QueryRegisterUsersUsingSQL

## URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/QueryRegisterUsersUsingSQL

## Request Parameters

Name	Description
None	Not Applicable

## Request Body Properties

Name	Description
sqlWhereClause	<p><u>Definition:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

## JavaScript Code Example

```

$("#btnQueryRegisterUsersUsingSQL").click(function () {
    var JSONObject = { sqlWhereClause: "WF_REG_USERS.MANAGER='demo3\
\susan.miller'" };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/QueryRegisterUsersUsingSQL",
        data: JSON.stringify(JSONObject)
    });
});

```

## Java Code Example

```
public String QueryRegisterUsersUsingSQL() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/
QueryRegisterUsersUsingSQL";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("sqlWhereClause",
        "WF_REG_USERS.MANAGER='demo3\\susan.miller'");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

## C# Code Example

```
public string QueryRegisterUsersUsingSQL()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
QueryRegisterUsersUsingSQL";

    string jsonRequestData = "{ \"sqlWhereClause\": \"\"+\"WF_REG_USERS.MANAGER='demo3\\
\susan.miller'\"+\"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

An array of registered users.

## JSON Response Body Example

```
[{
  "Department": "Administrator"
  "EmailAddress": "admin@mycompany.com"
  "FullName": "administrator"
  "Locale": "en-US"
  "Manager": "demo3\susan.miller"
  "OnlineContact": "admin@mycompany.com"
  "RefID": ""
  "RegisteredDate": "\/Date(928149600000)\/"
  "TimeZone": ""
  "Title": ""
  "UALExpirationDate": " \/Date(928149600000)\/"
  "UALNeverExpires": false
  "UserName": "demo3\administrator"
}]
```

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Register User

---

### API Type

REST

### HTTP Method

POST

### Description

Registers a user on the AgilePoint system.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/RegisterUser

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/RegisterUser

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
Department	<p><u>Definition:</u> Gets and sets department of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid department name.</p>
EEmailAddress	<p><u>Definition:</u> Gets and sets the user's e-mail address.</p>

Name	Description
	<p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid e-mail address.</p>
FullName	<p><u>Definition:</u> Specifies the full name of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A single line of text.</p>
Locale	<p><u>Definition:</u> Specifies the client locale.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid locale in standardized format.</p> <p><u>Example:</u> en-US</p>
Manager	<p><u>Definition:</u> Specifies the manager of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
OnlineContact	<p><u>Definition:</u> Gets and sets online contact of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid contact.</p>

Name	Description
RefID	<p><u>Definition:</u> Specifies the reference ID for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid reference ID.</p>
RegisteredDate	<p><u>Definition:</u> Gets and sets date registered.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
TimeZone	<p><u>Definition:</u> Specifies the user's time zone.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time zone.</p>
Title	<p><u>Definition:</u> Specifies the job title of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A single line of text.</p>
UALExpirationDate	<p><u>Definition:</u> Specifies the user's UAL expiration.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>

Name	Description
UALNeverExpires	<p><u>Definition:</u> Specifies whether UAL for the user expires.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The UAL for the user expires.</li> <li>• <b>False</b> - The UAL for the user does not expire.</li> </ul>
UserName	<p><u>Definition:</u> The user name for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name for a registered AgilePoint user.</p>

### JavaScript Code Example

```

$("#btnRegisterUser").click(function () {
    var JSONObject = {
        Department: "HR",
        EMailAddress: "Bob@tusca.com",
        FullName: "Bob",
        Locale: "en-US",
        Manager: "demo3\\Bill",
        OnlineContact: "",
        RefID: "",
        RegisteredDate: "\\Date (928149600000+0000)\\",
        TimeZone: "",
        Title: "",
        UALExpirationDate: "\\Date (928149600000+0000)\\",
        UALNeverExpires: true,
        UserName: "demo3\\Bob"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/RegisterUser",
        data: JSON.stringify(JSONObject)
    });
});

```

### Java Code Example

```

public String registerUser() {
    String URI = "https://mydomain:9011/AgilePointServer/Admin/RegisterUser";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
}

```

```

JSONObject postData = new JSONObject();
postData.put("Department", "HR");
postData.put("EMailAddress", "Bob@tusca.com");
postData.put("FullName", "Bob");
postData.put("Locale", "en-US");
postData.put("Manager", "demo3\\Bill");
postData.put("OnlineContact", "");
postData.put("RefID", "");
postData.put("TimeZone", "");
postData.put("Title", "");
postData.put("UserName", "demo3\\Bob");
postData.put("RegisteredDate", "/" + Date("
    + Calendar.getInstance().getTimeInMillis() + ")");
postData.put("UALExpirationDate", "/" + Date("
    + Calendar.getInstance().getTimeInMillis() + ")");
postData.put("UALNeverExpires", "true");

return ops.POSTMethod(URI, postData.toString());
return "";
}

```

## C# Code Example

```

public string RegisterUser()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/RegisterUser";

    string jsonRequestData = "{
        \"Department\": \"\",
        \"EMailAddress\": \"abc@mydomain.com\",
        \"FullName\": \"AmericaBritainCalifornia\",
        \"Locale\": \"\",
        \"Manager\": \"\",
        \"OnlineContact\": \"\",
        \"RefID\": \"\",
        \"RegisteredDate\": \"\\/Date(1357803786593+0530)\\/\",
        \"TimeZone\": \"\",
        \"Title\": \"\",
        \"UALExpirationDate\": \"\\/Date(-6213559680000)\\/\",
        \"UALNeverExpires\": false,
        \"UserName\": \"AP2\\\\"abc\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Unregister User

---

### API Type

REST

### HTTP Method

POST

### Description

Removes a user's registration from the AgilePoint system. Note that this call does not remove the user from the local Windows system or the domain controller.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/UnregisterUser

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/UnregisterUser

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
userName	<p><u>Definition:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

## JavaScript Code Example

```
$("#btnUnregisterUser").click(function () {  
  
    var JSONObject = { userName: "sg1" };  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/UnregisterUser",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

## Java Code Example

```
public String UnregisterUser() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/UnregisterUser";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    postData.put("userName", "demo3\\administrator");  
  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

## C# Code Example

```
public string UnregisterUser()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/UnregisterUser";  
  
    string jasonRequestData = "{\"userName\":\"" + "sg1" + "\"}";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URI, jasonRequestData);  
}
```

## Output

None.

## JSON Response Body Example

The response body is empty.

## Supported Versions

AgilePoint BPMS v5.0 R2 and higher

## Update Registered User

---

### API Type

REST

### HTTP Method

POST

### Description

Updates user data for a registered user.

### URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/UpdateRegisterUser

### URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/UpdateRegisterUser

### Request Parameters

Name	Description
None	Not Applicable

### Request Body Properties

Name	Description
Department	<p><u>Definition:</u></p> <p>Gets and sets department of the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid department name.</p>
EEmailAddress	<p><u>Definition:</u></p> <p>Gets and sets the user's e-mail address.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u> A valid e-mail address.</p>
FullName	<p><u>Definition:</u> Specifies the full name of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A single line of text.</p>
Locale	<p><u>Definition:</u> Specifies the client locale.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid locale in standardized format.</p> <p><u>Example:</u> en-US</p>
Manager	<p><u>Definition:</u> Specifies the manager of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
OnlineContact	<p><u>Definition:</u> Gets and sets online contact of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid contact.</p>
RefID	<p><u>Definition:</u> Specifies the reference ID for the user.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid reference ID.</p>
TimeZone	<p><u>Definition:</u></p> <p>Specifies the user's time zone.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid time zone.</p>
Title	<p><u>Definition:</u></p> <p>Specifies the job title of the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A single line of text.</p>
UserName	<p><u>Definition:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

### JavaScript Code Example

```
$("#btnUpdateRegisteredUser").click(function () {
  var JSONObject = {
    Department: "HR",
    EMailAddress: "admin@tusca.com",
    FullName: "Administrator",
    Locale: null,
    Manager: "demo3\\administrator",
    OnlineContact: null,
    RefID: null,
    TimeZone: null,
    Title: "SHR",
    UserName: "admin"
  };
});
```

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser",
  data: JSON.stringify(JSONObject)
});
});
```

## Java Code Example

```
public String UpdateRegisterUser() {

  String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();
  postData.put("Department", "HR");
  postData.put("EMailAddress", "Bob@tusca.com");
  postData.put("FullName", "Bob");
  postData.put("Locale", "en-US");
  postData.put("Manager", "demo3\\Bill");
  postData.put("OnlineContact", "");
  postData.put("RefID", "");
  postData.put("TimeZone", "");
  postData.put("Title", "");
  postData.put("UserName", "demo3\\Bob");

  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

## C# Code Example

```
public string UpdateRegisterUser()
{
  string URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser";

  string jsonRequestData = "{
    \"Department\": \"\",
    \"EMailAddress\": \"peter.parker@agilepoint.com\",
    \"FullName\": \"Peter Parker\",
    \"Locale\": \"\",
    \"Manager\": \"\",
    \"OnlineContact\": \"\",
    \"RefID\": \"\",
    \"TimeZone\": \"\",
    \"Title\": \"\",
    \"UserName\": \"MYDOMAIN\\\\\\\\AAMAadmi\"}";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

  return ops.POSTMethod(URI, jsonRequestData);
}
```

## Output

None.

## **JSON Response Body Example**

The response body is empty.

## **Supported Versions**

AgilePoint BPMS v5.0 R2 and higher

# Classes

This section includes references for all classes within the AgilePoint REST API.

## AddGroupMemberHelper

---

### Description

---

### Syntax

---

```
public class AddGroupMemberHelper
```

### Constructors

---

```
public AddGroupMemberHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p>

Property	Description
	If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.
Description	<p><u>Definition:</u> A free text description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Definition:</u> Enables or disables an entity.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>
GroupName	<p><u>Definition:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid group name.</p>
UserName	<p><u>Definition:</u> The user name for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name for a registered AgilePoint user.</p>

## AddEmailTemplateHelper

---

### Description

---

### Syntax

---

```
public class AddEmailTemplateHelper
```

### Constructors

---

```
public AddEmailTemplateHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
TemplateOwnerID	<p><u>Definition:</u> The ID for a process template owner.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process template owner ID.</p>
MailTemplateXML	<p><u>Definition:</u> The XML for an email template.</p> <p><u>Type</u> string</p>

Property	Description
	<u>Allowed Values:</u> Valid XML that represents an email template.

## AddRoleMemberHelper

---

### Description

---

### Syntax

---

```
public class AddRoleMemberHelper
```

### Constructors

---

```
public AddRoleMemberHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
Assignee	<u>Definition:</u> The name of the assignee.  <u>Type</u> string  <u>Allowed Values:</u> A valid user name or group name, depending upon the assignee type.

Property	Description
AssigneeType	<p><u>Definition:</u></p> <p>The type for the assignee for the task.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>User</b> - Assigns the task to a user.</li> <li>• <b>Group</b> - Assigns the task to a group.</li> </ul>
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
ObjectID	<p><u>Definition:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>
ObjectType	<p><u>Definition:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>
RoleName	<p><u>Definition:</u></p> <p>The name of a role.</p> <p><u>Type</u></p>

Property	Description
	<p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

## AddUpdateRoleHelper

---

### Description

---

### Syntax

---

```
public class AddUpdateRoleHelper
```

### Constructors

---

```
public AddUpdateRoleHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
RoleName	<p><u>Definition:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

Property	Description
Description	<p><u>Definition:</u></p> <p>A free text description of an entity.</p> <p><u>Type</u></p> <p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
Rights	<p><u>Definition:</u></p> <p>Specifies the rights that are assigned to the Role.</p> <p><u>Type</u></p> <p><a href="#">WFAccessRights</a></p> <p><u>Allowed Values:</u></p> <p>An array of index values. See the table for appropriate indexes.</p> <p>WFAccessRights provides the enums for rights. See the sample code for more information.</p>
Enabled	<p><u>Definition:</u></p> <p>Enables or disables an entity.</p> <p><u>Type</u></p> <p><a href="#">bool</a></p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>

## ClientDataHelper

---

### Description

---

### Syntax

---

```
public class ClientDataHelper
```

## Constructors

---

```
public ClientDataHelper();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
clientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

## CreateLinkedWorkItemHelper

---

### Description

---

### Syntax

---

```
public class CreateLinkedWorkItemHelper
```

## Constructors

---

```
public CreateLinkedWorkItemHelper();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
bDependent	<p><u>Definition:</u></p> <p>Specifies whether the target work item waits for a linked work item to be completed or canceled before moving forward.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The source work item waits until the linked work item is either completed or canceled, before it can be completed or canceled.</li> <li>• <b>False</b> - The source work item can be completed or canceled regardless of whether the linked work item is completed or canceled.</li> </ul>
BusinessTime	<p><u>Definition:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The system calculates duration using business time.</li> </ul>

Property	Description
	<ul style="list-style-type: none"> <li>• <b>False</b> - The calculates the duration based on real time.</li> </ul>
ClientData	<p><u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that contains the client data. If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Definition:</u> Specifies the length of time duration.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time duration length.</p>
SourceWorkItemID	<p><u>Definition:</u> An ID that represents the original, or source, work item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character ID.</p>
Unit	<p><u>Definition:</u> Specifies the unit.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid unit.</p>
UserID	<p><u>Definition:</u> Specifies the user ID.</p>

Property	Description
	<u>Type</u> string <u>Allowed Values:</u> A valid user ID.
WorkToPerform	<u>Definition:</u> Represents the task that performed by the participants of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid work to perform name.

## CreateProcInstHelper

---

### Description

---

### Syntax

---

```
public class CreateProcInstHelper
```

### Constructors

---

```
public CreateProcInstHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
Attributes	<p><u>Definition:</u> Name-value pairs associated with a custom ID.</p> <p><u>Type</u> NameValue</p> <p><u>Allowed Values:</u> A valid custom ID with an associated name.</p>
blnStartImmediately	<p><u>Definition:</u> An obsolete, legacy parameter that must be true.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u> True</p>
CustomID	<p><u>Definition:</u> A work object ID specified within a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One valid work object ID.</p>
Initiator	<p><u>Definition:</u> Specifies the user who initiates a process.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ProcessID	<p><u>Definition:</u> The process definition ID for a released process definition.</p>

Property	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>
ProcessInstID	<p><u>Definition:</u></p> <p>A process instance ID for the process instance you are creating.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique, 32 character process instance ID.</p> <p>If you set this value to null, the AgilePoint Server generates the ID.</p>
ProclnstName	<p><u>Definition:</u></p> <p>A unique process name that is associated with the process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique process instance name up to 1024 characters.</p>
SuperProclnstID	<p><u>Definition:</u></p> <p>A process instance ID that acts as a parent process instance of the process instance that is intended to create. In other words, this is the ID of the process instance on which you want to base your new process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-character process instance ID.</p>
WorkObjID	<p><u>Definition:</u></p> <p>An ID for an object, such as a document, that is associated with the process instance.</p> <p><u>Type</u></p>

Property	Description
	<p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid, unique 256-character ID.</p> <p>Even though the field size is 256 characters, in common practice, this will usually return a 32-character GUID.</p>
WorkObjInfo	<p><u>Definition:</u></p> <p>Usually this parameter is used to hold supplemental information about the work object, such as a URL for a document, within the process instance.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A string up to 1024 characters.</p>

## CreatePseudoWorkItemHelper

---

### Description

---

### Syntax

---

```
public class CreatePseudoWorkItemHelper
```

### Constructors

---

```
public CreatePseudoWorkItemHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
bReserved	<p><u>Definition:</u> Reserved for future use.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u> A null value</p>
BusinessTime	<p><u>Definition:</u> Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The system calculates duration using business time.</li> <li>• <b>False</b> - The calculates the duration based on real time.</li> </ul>
ClientData	<p><u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that contains the client data. If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Definition:</u> Specifies the length of time duration.</p> <p><u>Type</u> string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid time duration length.</p>
SourceWorkItemID	<p><u>Definition:</u></p> <p>An ID that represents the original, or source, work item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-character ID.</p>
Unit	<p><u>Definition:</u></p> <p>Specifies the unit.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid unit.</p>
UserID	<p><u>Definition:</u></p> <p>Specifies the user ID.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user ID.</p>
WorkToPerform	<p><u>Definition:</u></p> <p>Represents the task that performed by the participants of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

## CreateWorkItemHelper

---

### Description

---

### Syntax

---

```
public class CreateWorkItemHelper
```

### Constructors

---

```
public CreateWorkItemHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
ActivityInstanceID	<p><u>Definition:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>
BusinessTime	<p><u>Definition:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p>

Property	Description
	<p><code>bool</code></p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The system calculates duration using business time.</li> <li>• <b>False</b> - The calculates the duration based on real time.</li> </ul>
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Definition:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid time duration length.</p>
Unit	<p><u>Definition:</u></p> <p>Specifies the unit.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid unit.</p>
UserID	<p><u>Definition:</u></p> <p>Specifies the user associated with the work item.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid user ID.
WorkToPerform	<p><u>Definition:</u></p> <p>Represents the task that performed by the participants of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

## GetCustomAttrByNamesHelper

---

### Description

---

### Syntax

---

```
public class GetCustomAttrByNamesHelper
```

### Constructors

---

```
public GetCustomAttrByNamesHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
AttrNames	<u>Definition:</u>

Property	Description
	<p>A group of process attributes names.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> An array of valid process attribute names.</p>
CustomIDs	<p><u>Definition:</u> Multiple work object IDs specified within a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> An array of valid work object IDs.</p>

## GetDelegationsHelper

---

### Description

---

### Syntax

---

```
public class GetDelegationsHelper
```

### Constructors

---

```
public GetDelegationsHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
FromUser	<p><u>Definition:</u> Specifies a user from whom to delegate tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Definition:</u> Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
Status	<p><u>Definition:</u> The status of the associated item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid status.</p>

## GetDomainHelper

---

### Description

---

### Syntax

---

```
public class GetDomainHelper
```

## Constructors

---

```
public GetDomainHelper();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
Filter	<p><u>Definition:</u> A filter term for groups that is wildcard-enabled.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string in the format (name=[my wildcard filter]).</p>
LDAPPath	<p><u>Definition:</u> The LDAP path to the domain.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid LDAP path. If the value is null, the AgilePoint Server machine domain will be used.</p>

## GetWorkListByUserIDHelper

---

### Description

---

### Syntax

---

```
public class GetWorkListByUserIDHelper
```

### Constructors

---

```
public GetWorkListByUserIDHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
Status	<p><u>Definition:</u></p> <p>The status of the work item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>New</b> - The work item is in a pool, more than one participant shares the work item and needs to be assigned.</li> <li>• <b>Assigned</b> - The work item is assigned to a participant and needs to be performed.</li> <li>• <b>Removed</b> - The work item was originally in a pool (status is new), and didn't get assigned to the user.</li> </ul>

Property	Description
	<ul style="list-style-type: none"> <li>• <b>Completed</b> - The work item is completed.</li> <li>• <b>Reassigned</b> - The work item is re-assigned to the other user.</li> <li>• <b>Canceled</b> - The work item is canceled.</li> <li>• <b>Overdue</b> - The work item is overdue.</li> <li>• <b>Carbon</b> - The work item is a carbon copy that does not affect process instance running.</li> </ul>
UserName	<p><u>Definition:</u></p> <p>Specifies a qualified user name of the instance. A qualified user name formats as [Domain Name]\[Logon Username] or [Local host name]\[Logon Username].</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

## GroupHelper

---

### Description

---

### Syntax

---

```
public class GroupHelper
```

### Constructors

---

```
public GroupHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
Description	<p><u>Definition:</u> A free text description of an entity.</p> <p><u>Type</u> <code>string</code></p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Definition:</u> Enables or disables an entity.</p> <p><u>Type</u> <code>bool</code></p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Enables the entity.</li> <li>• <b>False</b> - Disables the entity.</li> </ul>
GroupName	<p><u>Definition:</u> Specifies the name of a group.</p> <p><u>Type</u> <code>string</code></p> <p><u>Allowed Values:</u> A valid group name.</p>
ResponsibleUser	<p><u>Definition:</u> The user name for the responsible user of this group. The responsible user must be a registered AgilePoint user.</p> <p><u>Type</u> <code>string</code></p> <p><u>Allowed Values:</u> A valid user name.</p>

## IWFWorkflowService

---

### Description

---

A class that provides interfaces for the AgilePoint workflow API on the client side.

### Syntax

---

```
public interface IWFWorkflowService
```

### Constructors

---

Not Applicable.

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## IWFTrackingEventPublisher

---

### Description

---

Provides an interface to publish a process event.

### Syntax

---

```
public interface IWFTrackingEventPublisher
```

### Constructors

---

Not Applicable.

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
AppNameFilter	<p><u>Definition:</u> Gets the application name filter.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid application name filter.</p>
EventTypeFilter	<p><u>Definition:</u> Gets the event type filter.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid event type filter.</p>

## KeyValue

---

### Description

---

A class that represents an object with name and value properties.

### Syntax

---

```
public class KeyValue
```

## Constructors

---

```
public KeyValue();
```

```
public KeyValue(string key, string val);
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
Key	<p><u>Definition:</u> Specifies the key of the instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid key.</p>
Value	<p><u>Definition:</u> The value for an item, such as the value for an attribute in a name-value pair.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid string value.</p>

## NameValue

---

### Description

---

A class that represents an object with the name and value properties.

### Syntax

---

```
public class NameValue
```

### Constructors

---

```
public NameValue();
public NameValue(string name,object value);
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.Share (in Ascentn.Workflow.Share.dll)

### Properties

---

Property	Description
Name	<p><u>Definition:</u></p> <p>The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid name.</p>
Value	<p><u>Definition:</u></p>

Property	Description
	<p>The value for an item, such as the value for an attribute in a key-value pair.</p> <p><u>Type</u></p> <p>object</p> <p><u>Allowed Values:</u></p> <p>A valid object value.</p>

## ReassignWorkItemHelper

---

### Description

---

### Syntax

---

```
public class ReassignWorkItemHelper
```

### Constructors

---

```
public ReassignWorkItemHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
ClientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p>

Property	Description
	<p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
UserName	<p><u>Definition:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>
WorkItemID	<p><u>Definition:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

## RegisteredUser

---

### Description

---

A class that represents an AgilePoint registered user.

### Syntax

---

```
public class RegisteredUser
```

### Constructors

---

```
public RegisteredUser();
public RegisteredUser(string user, string emailAddress, DateTime registeredDate, string fullName);
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
Department	<p><u>Definition:</u> Gets and sets department of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid department name.</p>
EEmailAddress	<p><u>Definition:</u> Gets and sets the user's e-mail address.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid e-mail address.</p>
FullName	<p><u>Definition:</u> Specifies the full name of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A single line of text.</p>
Manager	<p><u>Definition:</u> Specifies the manager of the user.</p> <p><u>Type</u></p>

Property	Description
	<p><a href="#">string</a></p> <p><u>Allowed Values:</u> A valid user name.</p>
RegisteredDate	<p><u>Definition:</u> Gets and sets date registered.</p> <p><u>Type</u> <a href="#">DateTime</a></p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
Title	<p><u>Definition:</u> Specifies the job title of the user.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A single line of text.</p>
UserName	<p><u>Definition:</u> Specifies a qualified user name of the instance. A qualified user name formats as [Domain Name]\[Logon Username] or [Local host name]\[Logon Username].</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid user name for a registered AgilePoint user.</p>

## RemoveGroupMemberHelper

---

### Description

---

### Syntax

---

```
public class RemoveGroupMemberHelper
```

## Constructors

---

```
public RemoveGroupMemberHelper();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
GroupName	<p><u>Definition:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid group name.</p>
UserName	<p><u>Definition:</u> The user name for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name for a registered AgilePoint user.</p>

## RemoveRoleMemberHelper

---

### Description

---

## Syntax

---

```
public class RemoveRoleMemberHelper
```

## Constructors

---

```
public RemoveRoleMemberHelper();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Type	Description
Assignee	<p><u>Definition:</u></p> <p>The name of the assignee.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name or group name, depending upon the assignee type.</p>	
AssigneeType	<p><u>Definition:</u></p> <p>The type for the assignee for the task.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li><b>User</b> - Assigns the task to a user.</li> </ul>	

Property	Type	Description
	<ul style="list-style-type: none"> <li><b>Group</b> - Assigns the task to a group.</li> </ul>	
ObjectID	<p><u>Definition:</u> Reserved for future use.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A null value.</p>	
RoleName	<p><u>Definition:</u> The name of a role.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid role name.</p>	

## SendMailHelper

---

### Description

---

### Syntax

---

```
public class SendMailHelper
```

### Constructors

---

```
public SendMailHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base

Requirement	Value
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

Property	Description
Attachments	<p><u>Definition:</u> File attachments included with the email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid path and file name on the AgilePoint Server. This parameter must use a file path from the file system (for example, C:\file.txt) on the machine where AgilePoint Server is installed. If there is no attachment, you can pass <b>null</b> or <b>String.Empty</b>.</p>
Body	<p><u>Definition:</u> Specifies the body portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> Free text.</p>
CC	<p><u>Definition:</u> Specifies the CC portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.</p>
From	<p><u>Definition:</u> Specifies the From portion of an email.</p> <p><u>Type</u></p>

Property	Description
	<p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A string that includes one or more email addresses in SMTP format.</p>
Subject	<p><u>Definition:</u></p> <p>The subject of an email.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A single line of text.</p>
To	<p><u>Definition:</u></p> <p>Specifies the To portion of an email.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A string that includes one or more email addresses in SMTP format.</p>

## UpdateEmailTemplateHelper

---

### Description

---

### Syntax

---

```
public class UpdateEmailTemplateHelper
```

### Constructors

---

```
public UpdateEmailTemplateHelper();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
MailTemplateID	<p><u>Definition:</u> The unique ID for an email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid mail template ID.</p>
MailTemplateXML	<p><u>Definition:</u> The XML for an email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> Valid XML that represents an email template.</p>
TemplateModifiedUserName	<p><u>Definition:</u> Specifies qualified username for the modified email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>

## UpdateRegisteredUserIconHelper

---

### Description

---

### Syntax

---

```
public class UpdateRegisteredUserIconHelper
```

### Constructors

---

```
public UpdateRegisteredUserIconHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Type	Description
UserIcon	<u>Definition:</u> A byte array representation of icon image.  <u>Type</u> byte  <u>Allowed Values:</u> A valid byte array.	
userName	<u>Definition:</u> The user name for the user.  <u>Type</u>	

Property	Type	Description
	string <u>Allowed Values:</u> A valid user name for a registered AgilePoint user.	

## WFAccessRights

---

### Description

---

A class that represents different types of access rights.

### Syntax

---

```
public enum WFAccessRights
```

### Constructors

---

Not Applicable.

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## WFAgilePart

---

### Description

---

An abstract class of AgilePart.

### Syntax

---

```
public class WFAgilePart
```

## Constructors

---

```
protected WFAgilePart();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## WFAgilePartDescriptor

---

### Description

---

An abstract class of WFAgilePartDescriptor.

### Syntax

---

```
public class WFAgilePartDescriptor : WFAutomaticActivityDefinition, IWFPProcessDefinitionReference
```

## Constructors

---

```
public WFAgilePartDescriptor();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
AssemblyName	<p><u>Definition:</u> Gets and sets the full name of the assembly.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid assembly name.</p>
ClassName	<p><u>Definition:</u> Gets and sets the class name, including the namespace.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid class name.</p>
Description	<p><u>Definition:</u> A free text description of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
DisplayName	<p><u>Definition:</u> Gets and sets the display name of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid activity display name.</p>
ExpectedDuration	<p><u>Definition:</u> Specifies an expected time duration of the activity.</p>

Property	Description
	<p><u>Type</u></p> <p>WFTimeDuration</p> <p><u>Allowed Values:</u></p> <p>A valid WFTimeDuration object.</p>
ID	<p><u>Definition:</u></p> <p>Specifies the activity ID.</p> <p><u>Type</u></p> <p>WFTimeDuration</p> <p><u>Allowed Values:</u></p> <p>A valid activity ID.</p>
IncomingActivities	<p><u>Definition:</u></p> <p>Gets the interfaces for all the incoming activities.</p> <p><u>Type</u></p> <p>WFTimeDuration</p> <p><u>Allowed Values:</u></p> <p>A valid WFTimeDuration object.</p>
IncomingEmail	<p><u>Definition:</u></p> <p>Specifies an email template that used for an email notification after the start of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
IncomingMailTemplate	<p><u>Definition:</u></p> <p>Specifies an email template that used for an email notification after the start of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
Index	<p><u>Definition:</u></p>

Property	Description
	<p>Specifies the ordering index of the activity.</p> <p><u>Type</u> int</p> <p><u>Allowed Values:</u> An integer.</p>
Item	<p><u>Definition:</u> Specifies the value associated with the specified parameter name.</p> <p><u>Type</u> object</p> <p><u>Allowed Values:</u> A valid Types object.</p>
Method	<p><u>Definition:</u> Specifies the name of the method for the AgilePart.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid method name.</p>
Name	<p><u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid name.</p>
OutgoingActivities	<p><u>Definition:</u> Gets the interfaces for all the outgoing activities.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid interface.</p>

Property	Description
OutgoingEmail	<p><u>Definition:</u> Specifies an email template that used for email notification after the completion of an activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
OutgoingMailTemplate	<p><u>Definition:</u> Specifies an email template to use for email notification when leaving the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
Procedure	<p><u>Definition:</u> Specifies the name of the procedure (method).</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid procedure name.</p>
Process	<p><u>Definition:</u> Gets the interface class and sets the process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition.</p>
SaveErrorMessageTo	<p><u>Definition:</u> Specifies an attribute name for an error message of the AgilePart execution.</p> <p><u>Type</u> string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid attribute name.</p>
SaveStatusTo	<p><u>Definition:</u></p> <p>Specifies an attribute name for the status of the AgilePart execution.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid name of an attribute that is boolean type.</p>
Synchronous	<p><u>Definition:</u></p> <p>Specifies the flag to determine if this is a synchronous call.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The call is synchronous.</li> <li>• <b>False</b> - The call is asynchronous.</li> </ul>
TimeoutActivities	<p><u>Definition:</u></p> <p>Gets the interfaces for all the timeout activities.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid interface.</p>
TimeoutMailTemplate	<p><u>Definition:</u></p> <p>Specifies an email template that used for email notification when the activity is overdue.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
WaitAllIncoming	<p><u>Definition:</u></p>

Property	Description
	<p>Gets and sets the flag to determine whether the activity must wait until all predecessor activities complete.</p> <p>Type</p> <p><code>string</code></p> <p>Allowed Values:</p> <ul style="list-style-type: none"> <li>• <b>True</b> - The activity waits until all predecessor activities complete.</li> <li>• <b>False</b> - The activity starts without waiting for predecessor activities complete.</li> </ul>

## WFAgileWork

---

### Description

---

An abstract class of WFAgileWork.

### Syntax

---

```
public class WFAgileWork
```

### Constructors

---

```
protected WFAgileWork(WFProcessInstance currentProcessInstance, WFManualActivityInstance currentActivityInstance);
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## WFAgileWorkDescriptor

---

### Description

---

An abstract class of WFAgileWorkDescriptor Custom properties format: [Prefix]:[Assembly Information]:[Class Name]:[Parameter].

### Syntax

---

```
public class WFAgileWorkDescriptor : WFManualActivityDefinition, IWFPProcessDefinitionReference
```

### Constructors

---

```
public WFAgileWorkDescriptor();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
AssemblyName	<p><u>Definition:</u> Gets and sets the full name of the assembly.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid assembly name.</p>
AutoComplete	<p><u>Definition:</u> Gets and sets the flag that determines whether the work item is automatically marked as completed.</p>

Property	Description
	<p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The work item is completed automatically.</li> <li>• <b>False</b> - The work item is not completed automatically.</li> </ul>
ClassName	<p><u>Definition:</u></p> <p>Gets and sets the class name, including the namespace.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid class name.</p>
CustomProperties	<p><u>Definition:</u></p> <p>Specifies the custom properties. This member supports the AgilePoint Framework infrastructure and does not intend to use directly from your code.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid custom properties.</p>
Description	<p><u>Definition:</u></p> <p>A free text description of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
DisplayName	<p><u>Definition:</u></p> <p>Gets and sets the display name of the activity.</p> <p><u>Type</u></p> <p>string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid activity display name.</p>
ExpectedDuration	<p><u>Definition:</u></p> <p>Specifies an expected time duration of the activity.</p> <p><u>Type</u></p> <p><a href="#">WFTimeDuration</a></p> <p><u>Allowed Values:</u></p> <p>A valid WFTimeDuration object.</p>
ID	<p><u>Definition:</u></p> <p>Specifies the activity ID.</p> <p><u>Type</u></p> <p><a href="#">WFTimeDuration</a></p> <p><u>Allowed Values:</u></p> <p>A valid activity ID.</p>
IncomingActivities	<p><u>Definition:</u></p> <p>Gets the interfaces for all the incoming activities.</p> <p><u>Type</u></p> <p><a href="#">WFTimeDuration</a></p> <p><u>Allowed Values:</u></p> <p>A valid WFTimeDuration object.</p>
IncomingEmail	<p><u>Definition:</u></p> <p>Specifies an email template that used for an email notification after the start of the activity.</p> <p><u>Type</u></p> <p><a href="#">string</a></p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
IncomingMailTemplate	<p><u>Definition:</u></p> <p>Specifies an email template that used for an email notification after the start of the activity.</p> <p><u>Type</u></p>

Property	Description
	<p><a href="#">string</a></p> <p><u>Allowed Values:</u> A valid email template.</p>
Index	<p><u>Definition:</u> Specifies the ordering index of the activity.</p> <p><u>Type</u> <a href="#">int</a></p> <p><u>Allowed Values:</u> An integer.</p>
Item	<p><u>Definition:</u> Specifies the value associated with the specified parameter name.</p> <p><u>Type</u> <a href="#">object</a></p> <p><u>Allowed Values:</u> A valid Types object.</p>
MaxParticipant	<p><u>Definition:</u> Specifies the maximum participants for the activity.</p> <p><u>Type</u> <a href="#">int</a></p> <p><u>Allowed Values:</u> An integer.</p>
Name	<p><u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid name.</p>
Optional	<p><u>Definition:</u> Gets and sets the flag to indicate if the activity is optional.</p>

Property	Description
	<p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The activity is optional.</li> <li>• <b>False</b> - The activity is not optional.</li> </ul>
OutgoingActivities	<p><u>Definition:</u></p> <p>Gets the interfaces for all the outgoing activities.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid interface.</p>
OutgoingEmail	<p><u>Definition:</u></p> <p>Specifies an email template that used for email notification after the completion of an activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
OutgoingMailTemplate	<p><u>Definition:</u></p> <p>Specifies an email template to use for email notification when leaving the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
Participant	<p><u>Definition:</u></p> <p>Specifies the participant of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

Property	Description
Participants	<p><u>Definition:</u> Specifies the participants of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid multiple user names separated with a semicolon (;).</p>
Process	<p><u>Definition:</u> Gets the interface class and sets the process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition.</p>
ReassigningEmail	<p><u>Definition:</u> Specifies the email template that used for an email notification when task is reassigned.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
ReassigningMailTemplate	<p><u>Definition:</u> Specifies the email template for task reassignment.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
RemindingEmail	<p><u>Definition:</u> Specifies an email template that used for reminding email notification.</p> <p><u>Type</u> string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid email template.</p>
RemindingMailAtBusinessTime	<p><u>Definition:</u></p> <p>Gets and sets the flag that determines whether reminding an email must send in business time.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - Reminding emails are sent using business time.</li> <li>• <b>False</b> - Reminding email are sent using real time.</li> </ul>
RemindingMailFrequency	<p><u>Definition:</u></p> <p>Specifies the frequency of reminding an email notification.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>An integer.</p>
RemindingMailStartTime	<p><u>Definition:</u></p> <p>Specifies the start time in minutes of reminding an email notification before the task expires.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>An integer.</p>
RemindingMailTemplate	<p><u>Definition:</u></p> <p>Specifies the email template for task reminder emails.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>

Property	Description
ReuseParticipant	<p><u>Definition:</u></p> <p>Gets and sets the flag that determines whether the participants must remain the same when the activity activated more than one time.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The participants remains the same when the activity activated more than one time.</li> <li>• <b>False</b> - The participants do not remain the same when the activity activated more than one time.</li> </ul>
TimeoutActivities	<p><u>Definition:</u></p> <p>Gets the interfaces for all the timeout activities.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid interface.</p>
TimeoutEmail	<p><u>Definition:</u></p> <p>Specifies the email template to use for email notification when task is overdue.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
TimeoutMailTemplate	<p><u>Definition:</u></p> <p>Specifies an email template that used for email notification when the activity is overdue.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
WaitAllIncoming	<p><u>Definition:</u></p>

Property	Description
	<p>Gets and sets the flag to determine whether the activity must wait until all predecessor activities complete.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The activity waits until all predecessor activities complete.</li> <li>• <b>False</b> - The activity starts without waiting for predecessor activities complete.</li> </ul>
WaitWorkPerformed	<p><u>Definition:</u></p> <p>Specifies whether the activity must be marked as completed by the application before proceeding.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The activity must complete before proceeding.</li> <li>• <b>False</b> - The activity can proceed without waiting.</li> </ul>
WorkPerformer	<p><u>Definition:</u></p> <p>Specifies the WorkPerformer/job of the manual activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid WorkPerformer/job name.</p>
WorkToPerform	<p><u>Definition:</u></p> <p>Represents the task that performed by the participants of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid work to perform name.</p>

## WFAny

---

### Description

---

A class that represents a primitive data type with type code.

### Syntax

---

```
public class WFAny
```

### Constructors

---

```
public WFAny();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
Type	<p><u>Definition:</u></p> <p>Gets and sets the type of a WFAny object.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>An integer.</p>
Value	<p><u>Definition:</u></p> <p>The value for an item, such as the value for an attribute in a key-value pair.</p> <p><u>Type</u></p>

Property	Description
	<p><a href="#">object</a></p> <p><u>Allowed Values:</u></p> <p>A valid object value.</p>

## WFEvent

---

### Description

---

A class that represents a workflow event.

### Syntax

---

```
public class WFEvent
```

### Constructors

---

```
public WFEvent();
public WFEvent(string name);
public WFEvent(string sender, string name);
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
ActivityInstID	<p><u>Definition:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p><a href="#">string</a></p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>
AutoStart	<p><u>Definition:</u></p> <p>Specifies if the process starts immediately after it is created.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The process instance starts immediately after it is created.</li> <li>• <b>False</b> - The process instance does not start immediately after it is created.</li> </ul>
clientData	<p><u>Definition:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
CustomAttributes	<p><u>Definition:</u></p> <p>Specifies custom attributes in XML format.</p> <p><u>Type</u></p> <p>NameValue</p> <p><u>Allowed Values:</u></p> <p>A valid NameValue pair.</p>
Designated	<p><u>Definition:</u></p> <p>Gets and sets the flag that determines if the event should be handled by a designated engine.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p>

Property	Description
	<ul style="list-style-type: none"> <li>• <b>True</b> - The event is handled by a designated engine.</li> <li>• <b>False</b> - The event is not handled by a designated engine.</li> </ul>
Diagnostic	<p><u>Definition:</u> Gets and sets the flag that determines if the process data will be deleted from the database after the process is completed.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The process data is deleted from the database.</li> <li>• <b>False</b> - The process data is not deleted from the database.</li> </ul>
EndDate	<p><u>Definition:</u> Specifies the completion date of delegation.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
Entries	<p><u>Definition:</u> Gets the relay time of the event.</p> <p><u>Type</u> int</p> <p><u>Allowed Values:</u> A valid relay time.</p>
Error	<p><u>Definition:</u> Gets and sets the error message of the event.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid error message.</p>

Property	Description
EventID	<p><u>Definition:</u> Specifies a unique ID for an event.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A unique, 32-character ID.</p>
EventName	<p><u>Definition:</u> Specifies the name of the event.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid event name.</p>
ParamsXml	<p><u>Definition:</u> Gets and sets the parameters as XML.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A parameter.</p>
ParentProcInstID	<p><u>Definition:</u> Specifies parent process instance ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process instance ID.</p>
ProcDefID	<p><u>Definition:</u> Specifies process template (process definition) ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>

Property	Description
ProclnstID	<p><u>Definition:</u> Specifies the unique ID of a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process instance ID</p>
ProclnstName	<p><u>Definition:</u> A unique process name that is associated with the process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A unique process instance name up to 1024 characters.</p>
Sender	<p><u>Definition:</u> Specifies a sender of the event.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
SentDate	<p><u>Definition:</u> Specifies a sent date of the event.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
SourceWorkItemID	<p><u>Definition:</u> An ID that represents the original, or source, work item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid, unique 32-character ID.
Status	<p><u>Definition:</u> The status of the event.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid status.</p>
ThrowAwayInstance	<p><u>Definition:</u> Specifies the flag that determines if AgilePoint server should clear the process from cache.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - AgilePoint Server clears the process from the cache.</li> <li>• <b>False</b> - AgilePoint Server does not clear the process from cache.</li> </ul>
UserID	<p><u>Definition:</u> Specifies the user ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user ID.</p>
WorkItemID	<p><u>Definition:</u> An ID that represents a work item (task).</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.</p>
workObjectID	<p><u>Definition:</u> An ID for an object, such as a document, that is associated with the process instance.</p>

Property	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 256-character ID.</p> <p>Even though the field size is 256 characters, in common practice, this will usually return a 32-character GUID.</p>

## WFIntegratedApplication

---

### Description

---

A class that represents an integrated application, such as an AgileConnector.

### Syntax

---

```
public class WFIntegratedApplication : IWFIntegratedApplication
```

### Constructors

---

```
public WFIntegratedApplication();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
AppEventKind	<p><u>Definition:</u></p> <p>Specifies the type of application event.</p> <p><u>Type</u></p>

Property	Description
	<p><a href="#">IWFWorkflowService</a></p> <p><u>Allowed Values:</u> A valid application event.</p>
AppName	<p><u>Definition:</u> Specifies the name of the application.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid, case-sensitive application name.</p>
Category	<p><u>Definition:</u> Gets and sets a category name.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid category name.</p>
CustomConfiguration	<p><u>Definition:</u> Gets and sets custom configuration settings.</p> <p><u>Type</u> System.Xml.NodeList</p> <p><u>Allowed Values:</u> A valid set of custom configuration settings.</p>
Description	<p><u>Definition:</u> A free text description of the application.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Impersonator	<p><u>Definition:</u> Specifies a user name of an impersonator user account.</p>

Property	Description
	<u>Type</u> <a href="#">string</a> <u>Allowed Values:</u> A valid impersonator user name.

## WFPartialRollbackInstruction

---

### Description

---

A class that provides instructions for activating activity instances.

### Syntax

---

```
public class WFPartialRollbackInstruction
```

### Constructors

---

```
public WFPartialRollbackInstruction();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
PartialRollbackUnits	<u>Definition:</u> An array of instances of the PartialRollbackUnit class. <u>Type</u> <a href="#">PartialRollbackUnit</a>

Property	Description
	<u>Allowed Values:</u> One or more PartialRollbackUnit objects.

## WFIntegratedApplicationDescriptor

---

### Description

An abstract class that describes the global control module.

### Syntax

```
public class WFIntegratedApplicationDescriptor : IWFIntegratedApplicationDescriptor
```

### Constructors

```
public WFIntegratedApplicationDescriptor(string integratedApplicationsXML);
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
integratedApplicationsXml	<u>Definition:</u> Gets the configuration settings for the integrated application.  <u>Type</u> string  <u>Allowed Values:</u> Valid configuration settings.

## WFProcessMergingInstruction

---

### Description

---

A class that provides instructions for merging process instances during runtime.

### Syntax

---

```
public class WFProcessMergingInstruction
```

### Constructors

---

Not Applicable.

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
MergingProcessInstanceIDs	<p><u>Definition:</u></p> <p>An array that includes the process instance IDs of the process instances you are merging.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>An array of valid process instance IDs.</p>
MergedProcessInstance	<p><u>Definition:</u></p> <p>An instance of the MergedProcess Parameter class that includes the merged process instance.</p>

Property	Description
	<u>Type</u> MergedProcessParameter <u>Allowed Values:</u> A valid An MergedProcess Parameter object.

## WFProcessMigrationInstruction

---

### Description

---

A class that provides instructions for merging process instances during runtime.

### Syntax

---

```
public class WFProcessMigrationInstruction
```

### Constructors

---

Not Applicable.

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Type	Description
MatchingActivityDefinition	<u>Definition:</u> Specifies information for activity migration.  <u>Type</u> class	

Property	Type	Description
	<u>Allowed Values:</u> A valid class.	
SourceProcessDefinitionID	<u>Definition:</u> The ID of the original, or source, process definition.  <u>Type</u> string  <u>Allowed Values:</u> A valid process definition ID.	
TargetProcessDefinitionID	<u>Definition:</u> The ID of the target, or destination, process definition.  <u>Type</u> string  <u>Allowed Values:</u> A valid process definition ID.	
Action	<u>Definition:</u> Specifies the migration action.  <u>Type</u> MigrationAction  <u>Allowed Values:</u> A valid migration action.	
IncludeXmlData	<u>Definition:</u> Specifies whether a migration includes XML data.  <u>Type</u> bool  <u>Allowed Values:</u> <ul style="list-style-type: none"> <li>• <b>True</b> - The migration includes an XML data.</li> <li>• <b>False</b> - The migration does not include an XML data.</li> </ul>	

## WFProcessPluggableAdapter

---

### Description

---

A class that represents an AgileExtender.

### Syntax

---

```
public WFProcessPluggableAdapter
```

### Constructors

---

```
public WFProcessPluggableAdapter(WFProcessInstance currentProcessInstance)
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
ComponentTypeID	<p><u>Definition:</u> Specifies a unique type ID of an Agile Extender.</p> <p><u>Type</u> <code>string</code></p> <p><u>Allowed Values:</u> A valid type ID for your AgileExtender.</p>
Name	<p><u>Definition:</u> Specifies the name of an AgileExtender.</p> <p><u>Type</u></p>

Property	Description
	<p><a href="#">string</a></p> <p><u>Allowed Values:</u> A valid AgileExtender name.</p>
DisplayName	<p><u>Definition:</u> Gets and sets the display name of an AgileExtender.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid AgileExtender display name.</p>
Description	<p><u>Definition:</u> A free text description of an AgileExtender.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
AssemblyFullName	<p><u>Definition:</u> Gets the full name of an AgileExtender assembly.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid AgileExtender assembly name.</p>
ClassName	<p><u>Definition:</u> Gets the type of the AgileExtender.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid AgileExtender type.</p>
ProcessInstance	<p><u>Definition:</u> Gets a runtime process instance object.</p>

Property	Description
	<u>Type</u> <a href="#">WFProcessInstance</a> <u>Allowed Values:</u> A WFProcessInstance object.

## WFProcessPluggableAdapterDescriptor

---

### Description

---

A Design Time supporting class for Agile Extender. This Design Time class extends the class WFProcessPluggableAdapterDescriptor.

### Syntax

---

```
public partial class MyAgileExtenderDescriptor : WFProcessPluggableAdapttterDescriptor
```

### Constructors

---

```
public WFProcessPluggableAdapttterDescriptor()
public WFProcessPluggableAdapttterDescriptor(bool designTime)
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
ComponentTypeID	<u>Definition:</u> Specifies a unique type ID of an Agile Extender. <u>Type</u>

Property	Description
	<p><a href="#">string</a></p> <p><u>Allowed Values:</u> A valid type ID for your AgileExtender.</p>
Name	<p><u>Definition:</u> Specifies the name of an AgileExtender.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid AgileExtender name.</p>
DisplayName	<p><u>Definition:</u> Gets and sets the display name of an AgileExtender.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid AgileExtender display name.</p>
Description	<p><u>Definition:</u> A free text description of an AgileExtender.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
AssemblyFullName	<p><u>Definition:</u> Gets the full name of an AgileExtender assembly.</p> <p><u>Type</u> <a href="#">string</a></p> <p><u>Allowed Values:</u> A valid AgileExtender assembly name.</p>
ClassName	<p><u>Definition:</u> Gets the type of the AgileExtender.</p>

Property	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid AgileExtender type.</p>
Process	<p><u>Definition:</u></p> <p>Gets the interface class and sets the process definition.</p> <p><u>Type</u></p> <p>IWFProcessDefinition</p> <p><u>Allowed Values:</u></p> <p>A IWFProcessDefinition class.</p>
DesignTime	<p><u>Definition:</u></p> <p>Specifies whether the object is used at design time.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - The object is used at design time.</li> <li>• <b>False</b> - The object is not used at design time.</li> </ul>

## WFQueryExpr

---

### Description

---

A class that represents a query expression object.

### Syntax

---

```
public class WFQueryExpr
```

### Constructors

---

```
public WFQueryExpr();
public WFQueryExpr(string columnName, int op, WFAny any, bool val);
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
Any	<p><u>Definition:</u> Gets and sets the WFAny object to be compared.</p> <p><u>Type</u> WFAny</p> <p><u>Allowed Values:</u> A valid WFAny object.</p>
ColumnName	<p><u>Definition:</u> Gets and sets the associated database column name.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid database column name.</p>
IsValue	<p><u>Definition:</u> Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - It compares a value or column of the table.</li> <li>• <b>False</b> - It does not compare a value or column of the table.</li> </ul>

Property	Description
Name	<p><u>Definition:</u></p> <p>The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid name.</p>
Operator	<p><u>Definition:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>

## WFQueryExprHelper

---

### Description

---

### Syntax

---

```
public class WFQueryExprHelper
```

### Constructors

---

```
public WFQueryExprHelper();
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

Property	Type	Description
ColumnName	<p><u>Definition:</u></p> <p>Gets and sets the associated database column name.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid database column name.</p>	
IsValue	<p><u>Definition:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• <b>True</b> - It compares a value or column of the table.</li> <li>• <b>False</b> - It does not compare a value or column of the table.</li> </ul>	
Operator	<p><u>Definition:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>	
WhereClause	<p><u>Definition:</u></p> <p>Sets the conditions against a query.</p> <p><u>Type</u></p> <p>string</p>	

Property	Type	Description
	<u>Allowed Values:</u> A valid SQL WHERE clause.	

## WFProcessSplittingInstruction

---

### Description

---

A class that provides instructions for splitting a process instance during runtime.

### Syntax

---

```
public class WFProcessSplittingInstruction
```

### Constructors

---

Not Applicable.

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
SplitProcessInstances	<u>Definition:</u> An array of instances of the SplitProcessParameter class.  <u>Type</u> <a href="#">SplitProcessParameter</a>  <u>Allowed Values:</u> A valid SplitProcessParameter object.

## WFTimeDuration

---

### Description

---

A class that represents Time Duration with length, time unit, and business time.

### Syntax

---

```
public class WFTimeDuration : Serializable
```

### Constructors

---

```
public WFTimeDuration();
public WFTimeDuration(string length, WFTimeUnit unit, bool b);
public WFTimeDuration(int length, WFTimeUnit unit, bool b);
```

### Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

### Properties

---

Property	Description
BusinessTime	<p><u>Definition:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li><b>True</b> - The system calculates duration using business time.</li> </ul>

Property	Description
	<ul style="list-style-type: none"> <li><b>False</b> - The calculates the duration based on real time.</li> </ul>
Length	<p><u>Definition:</u> Specifies the length of time duration.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time duration length.</p>
Unit	<p><u>Definition:</u> Specifies the time unit.</p> <p><u>Type</u> WFTimeUnit</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>hour</li> <li>day</li> <li>week</li> <li>month</li> <li>year</li> </ul>

## WFTimeUnit

---

### Description

---

A class that represents time unit.

### Syntax

---

```
public class WFTimeUnit
```

### Constructors

---

```
public WFTimeUnit();
```

## Namespace and Assembly

---

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

## Properties

---

Property	Description
Value	<p><u>Definition:</u></p> <p>The value for an item expressed as an integer, such as a time unit.</p> <p><u>Type</u></p> <p><code>int</code></p> <p><u>Allowed Values:</u></p> <p>An integer.</p>

# Data Types

A list of all data types used in the AgilePoint Web Service API. Common types refer to the documentation on [msdn.com](http://msdn.com)

Name	Description
bool	See the <a href="#">documentation on MSDN</a> .
byte	See the <a href="#">documentation on MSDN</a> .
DateTime	See the <a href="#">documentation on MSDN</a> .
enum	See the <a href="#">documentation on MSDN</a> .
Guid	Instantiates the Guid class.
int	See the <a href="#">documentation on MSDN</a> .
IWFProcessDefinition	Instantiates the IWFProcessDefinition class.
IWFWorkflowService	Instantiates the <a href="#">IWFWorkflowService</a> class.
KeyValue	Instantiates the <a href="#">KeyValue</a> class.
MergedProcessParameter	Instantiates the MergedProcessParameter class.
MigrationAction	Instantiates the MigrationAction class.
NameValue	Instantiates the <a href="#">NameValue</a> class.
object	See the <a href="#">documentation on MSDN</a> .
PartialRollbackUnit	Instantiates the PartialRollbackUnit class.
RegisteredUser	Instantiates the <a href="#">RegisteredUser</a> class.
SplitProcessParameter	Instantiates the SplitProcessParameter class.
String	See the <a href="#">documentation on MSDN</a> .
WFAccessRights	Instantiates the <a href="#">WFAccessRights</a> class.
WFAny	Instantiates the <a href="#">WFAny</a> class.
WFEvent	Instantiates the <a href="#">WFEvent</a> class.
WFProcessInstance	Instantiates the WFProcessInstance class.
WFQueryExpr	Instantiates the <a href="#">WFQueryExpr</a> class.
WFTimeDuration	Instantiates the <a href="#">WFTimeDuration</a> class.
WFTimeUnit	See the <a href="#">documentation on MSDN</a> .