



REST API Guide

AgilePoint BPMS v5.0 R2

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REST API

This document describes the AgilePoint REST API. AgilePoint recommends this API especially for use with mobile applications and JavaScript.

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

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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Use, duplication or disclosure by the U.S. Government is subject to restrictions set forth in the applicable license agreement and as provided in DFARS 227.7202-1(a) and 227.7202-3(a) (1995), DFARS 252.227-7013(c)(1)(ii) (Oct 1988), FAR 12.212(a) (1995), FAR 52.227-19, or FAR 52.227-14, as applicable.

Virus-free software policy

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

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

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

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

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

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

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.

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Web site: www.agilepoint.com

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Contacting Customer Support

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

Authentication

When you make a REST API call, you must authenticate the user. The following provides an example of REST API authentication using 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](#).

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) {  
    }  
  }  
});
```

Methods

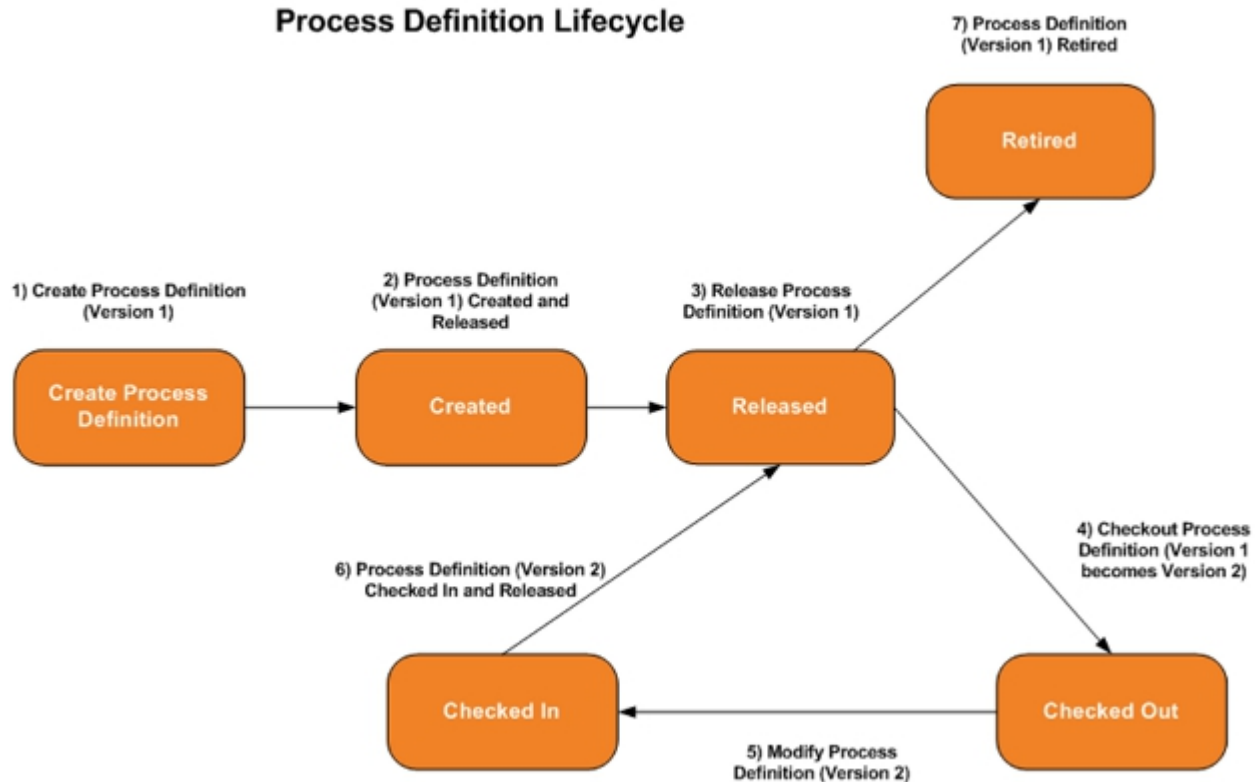
This section includes references for all methods within the AgilePoint REST API.

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`

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

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

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 processtemplateXML) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    JSONObject postData = new JSONObject();  
    try {  
        postData.put("xml", processtemplateXML);  
        return ops.POSTMethod(URI, postData.toString());  
    }  
}
```

```
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

C# Code Example

```
public string CheckinProcDef(string procxml)  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef";  
    string jsonRequestData = "{ \"xml\": " + procxml + " }";  
    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	<u>Definition:</u> The unique identifier for the process definition to be checked out for modification. <u>Type</u> string <u>Allowed Values:</u> A valid process template ID

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string CheckoutProcDef()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        CheckoutProcDef/6E1259372F89448CA220718128ECB018";  
    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	<u>Definition:</u> Specifies a process definition in XML format. To generate the process definition file in XML format, in AgilePoint Envision, click File > Export & Import > Save As Deploying File(xml). You can also download the process definition XML from AgilePoint Enterprise Manager. <u>Type</u> string <u>Allowed Values:</u> A string that contains process definition in XML format.

JavaScript Code Example

```
$("#btnCreateProcDef").click(function () {
    var JSONData = { xml: '<process template XML string>' };
    $.ajax({
        url: 'http://mydomain:9011/AgilePointServer/Workflow/CreateProcDef',
        data: JSON.stringify(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> The unique identifier for the process definition to be checked out for modification. <u>Type</u> string <u>Allowed Values:</u> A valid process template ID

JavaScript Code Example

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

Java Code Example

```
public String DeleteProcDef(String processTemplateID) {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/DeleteProcDef/"  
        + processTemplateID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```

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

C# Code Example

```
public string DeleteProcDef()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
                DeleteProcDef/3B9A54192B6C4C4AA902BD46279C7FAF";  
  
    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	<u>Definition:</u> The name of the process definition. <u>Type</u> string <u>Allowed Values:</u> A single line of text.

JavaScript Code Example

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

Java Code Example

```
public String GetDatabaseInformation() {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string ProcessDefinitionID()  
{  
    string URI = "http://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	<u>Definition:</u> The ID of the base process definition. <u>Type</u> string <u>Allowed Values:</u> A valid base process definition ID.

JavaScript Code Example

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

```
});
```

Java Code Example

```
public String GetProcDefByBasePID(String baseprocessTemplateID) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/
GetProcDefByBasePID/"
                + baseprocessTemplateID;

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

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

C# Code Example

```
public string GetProcDef()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
GetProcDefByBasePID/6E1259372F89448CA220718128ECB018";

    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	<u>Definition:</u> The process definition ID for a released process definition. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	A valid process definition ID.

JavaScript Code Example

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

Java Code Example

```
public String GetProcDefGraphics(String processID) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcDefGraphics/"
        + processID;

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

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

C# Code Example

```
public string GetProcDefGraphics()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcDefGraphics/6E1259372F89448CA220718128ECB018";

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

JavaScript Code Example

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

Java Code Example

```
public String GetProcDefNameVersion(String processTemplateID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/  
GetProcDefNameVersion/"
```



```
        + processTemplateID;

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

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

C# Code Example

```
public string GetProcDefNameVersion()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
        GetProcDefNameVersion/6E1259372F89448CA220718128ECB018";

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

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

Output

[Key/Value](#) 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 GetProcessDefinitions() {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcDefs";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                             password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

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

Output

An array of WFBaseProcessDefinition objects.

JSON Response Body Example

```
{  
  "GetProcDefsResult": [{  
    "ApplName": "MyApplication",  
    "AssemblyName": "",  
    "AuditLevel": 0,  
    "WorkflowName": ""  
  }]  
}
```

```

    "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	<u>Definition:</u> The unique reference ID for a process definition. <u>Type</u> string <u>Allowed Values:</u> A unique process definition reference ID.
activityDefinitionID	<u>Definition:</u> The reference ID for the XML that defines an activity. <u>Type</u> string <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 GetProcessDefinitionSupplement(String processDefinitionID,  
    String activityDefinitionID) {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/  
GetProcDefSupplement/"  
        + processDefinitionID + "/" + activityDefinitionID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

```
}
```

C# Code Example

```
public string GetProcDefSupplement()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefSupplement/6E1259372F89448CA220718128ECB018/  
C769B";  
  
    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/\[processTemplateID\]](https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefXml/[processTemplateID])

URL Format (AgilePoint for Azure)

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

Request Parameters

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

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string GetProcDefXML()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefXml/6E1259372F89448CA220718128ECB018";  
  
    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	<u>Definition:</u> The name of the process definition. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	A single line of text.

JavaScript Code Example

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

Java Code Example

```
public String GetReleasedProcessDefinitionID(String procDefName) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetReleasedPID/"  
        + procDefName;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetReleasedPRocDef()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        GetReleasedPID/EmailTest";  
    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 GetReleasedProcessDefinitions() {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcDefs";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

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

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

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

Output

[KeyValue](#) 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	<u>Definition:</u> The unique identifier for the process definition to be checked out for modification. <u>Type</u> string <u>Allowed Values:</u> A valid process template ID

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string ReleaseProcDef()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        ReleaseProcDef/ 3B9A54192B6C4C4AA902BD46279C7FAF";  
  
    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	<u>Definition:</u> The unique reference ID for a process definition. <u>Type</u> string <u>Allowed Values:</u> A unique process definition reference ID.
activityDefinitionID	<u>Definition:</u>

Name	Description
	The reference ID for the XML that defines an activity. <u>Type</u> string <u>Allowed Values:</u> A valid activity definition ID.

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)  
    });  
});
```

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

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string UnCheckOutProc()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
                UncheckoutProcDef/6E1259372F89448CA220718128ECB018";  
  
    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	<u>Definition:</u> Specifies a process definition in XML format. To generate the process definition file in XML format, in AgilePoint Envision, click File > Export & Import > Save As Deploying File(xml). You can also download the process definition XML from AgilePoint Enterprise Manager. <u>Type</u> string <u>Allowed Values:</u> A string that contains process definition in XML format.

JavaScript Code Example

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

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

JavaScript Code Example

```
$("#btnArchiveProcInst").click(function () {  
    $.ajax({
```

```
url: "http://mydomain:9011/AgilePointServer/Workflow/
      ArchiveProcInst/0008D8ACD70B4D38955F0777C5433963"
});
});
```

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/CreateProcInst

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

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

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

Name	Description
ProcessInstID	<u>Definition:</u> A process instance ID for the process instance you are creating. <u>Type</u> string <u>Allowed Values:</u> A unique, 32 character process instance ID. If you set this value to null, the AgilePoint Server generates the ID.
ProcInstName	<u>Definition:</u> A unique process name that is associated with the process definition. <u>Type</u> string <u>Allowed Values:</u> A unique process instance name up to 1024 characters.
SuperProcInstID	<u>Definition:</u> 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. <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-character process instance ID.
WorkObjID	<u>Definition:</u> An ID for an object, such as a document, that is associated with the process instance. <u>Type</u> string <u>Allowed Values:</u> A valid, unique 256-character ID.

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

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 CreateProcessInstance(String ProcessID, String ProcessInstID,
    String ProcInstName, String WorkObjID, String WorkObjInfo,
    String SuperProcInstID, String Initiator, String CustomID,
```

```

String Attributes, boolean blnStartImmediately) {

String URI = "http://mydomain:9011/AgilePointServer/Workflow/CreateProcInst";

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

JSONObject postData = new JSONObject();
try {
    postData.put("ProcessID", ProcessID);
    postData.put("ProcessInstID", ProcessInstID);
    postData.put("ProcInstName", ProcInstName);
    postData.put("WorkObjID", WorkObjID);
    postData.put("WorkObjInfo", WorkObjInfo);
    postData.put("SuperProcInstID", SuperProcInstID);
    postData.put("Initiator", Initiator);
    postData.put("CustomID", CustomID);
    postData.put("Attributes", Attributes);
    postData.put("blnStartImmediately", blnStartImmediately);
    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
}

```

C# Code Example

```

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

    string jsn = "{
        \"ProcessID\": \"E357D828D30840619AEC176913107B34\",
        \"ProcessInstID\": \"4802495DCA8840EFAEE2943028EFAFEE\",
        \"ProcInstName\": \"Testmail-9B29EC6254C64769BDE19D18A876B9A5\",
        \"WorkObjID\": \"4909A27224CE41BEA2FAB52A026CBBC5\",
        \"WorkObjInfo\": \"\" + null + \"\",
        \"SuperProcInstID\": \"\" + null + \"\",
        \"Initiator\": \"\" + ag + \"\",
        \"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/CancelProcInst/[processInstanceId]

URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/CancelProcInst/[processInstanceId]

Request Parameters

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

JavaScript Code Example

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

Java Code Example

```
public String CancelProcessInstance(String processInstanceId) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/CancelProcInst/"  
        + processInstanceId;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    JSONObject postData = new JSONObject();  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string CancelProcInst()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        CancelProcInst/62D52F1FAF334A24B501B727754F5959";
```



```

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

JavaScript Code Example

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

Java Code Example

```
public String DeleteProcessInstance(String processInstanceId) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/DeleteProcInst/"  
                + processInstanceId;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string DeleteProcId()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
                DeleteProcInst/577BDA85E1A94F6084D73037FC91D4A8";  
  
    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/GetEventsByProcInstID/[processInstanceID]

URL Format (AgilePoint for Azure)

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

Request Parameters

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

JavaScript Code Example

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

Java Code Example

```
public String GetEventsByProcessInstanceID(String processInstanceID) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetEventsByProcInstID/"
        + processInstanceID;

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

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

C# Code Example

```
public string GetEventsByProcInstID()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/GetEventsByProcInstID/8252EAE9EFF445C5B395DA70363E8232";
```

```

    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/GetProcInst/[processInstanceId]

URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/GetProcInst/[processInstanceId]

Request Parameters

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

JavaScript Code Example

```
$("#btnGetProcInst").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetProcInst/0FD3088F40B640D4AFE41AEEDAE914B",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetProcessInstance(String processInstanceId) {
```

```
String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcInst/"
            + processInstanceID;

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

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

C# Code Example

```
public string GetProcessInstance()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
                GetProcInst/8252EAE9EFFF445C5B395DA70363E8232";

    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": {
    "ApplName": "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/GetProcInstAttr/[processInstanceId]/[attributeName]

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
processInstanceId	<u>Definition:</u> Specifies the unique ID of a process instance. <u>Type</u> string <u>Allowed Values:</u> A valid process instance ID
attributeName	<u>Definition:</u> The name of the process instance attribute you want. <u>Type</u> string <u>Allowed Values:</u> • DefID - The ID of the process definition.

Name	Description
	• DefName - The name of the process definition. • ProcInstName - The name of the process instance. • Status - The current status of the process instance. • SuperProcInstID - 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

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

Java Code Example

```
public String GetProcessInstanceAttribute(String processInstanceID,
    String attributeName) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcInstAttr/"
        + processInstanceID + "/" + attributeName;
    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
    return ops.GETMethod(URI);
}
```

C# Code Example

```
public string GetProcInstAttr()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcInstAttr/8252EAE9EFF445C5B395DA70363E8232/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	<u>Definition:</u> Specifies the unique ID of a process instance. <u>Type</u> string

Name	Description
	<u>Allowed Values:</u> A valid process instance ID

Attributes

Name	Description
DefID	The ID of the process definition.
DefName	The name of the process definition.
ProcInstName	The name of the process instance.
Status	The current status of the process instance.
SuperProcInstID	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 GetProcessInstanceAttributes(String processInstanceID) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcInstAttrs/"
        + processInstanceID;

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

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

C# Code Example

```
public string GetProcInstAttrs()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
                GetProcInstAttrs/8252EAE9EFF445C5B395DA70363E8232";

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

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","061761ADBEA2450A8F70538C495D9773"]
}
```

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

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/MigrateProcInst/[processInstanceId]/[reserved]

URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/MigrateProcInst/[processInstanceId]/[reserved]

Request Parameters

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

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

Request Body Properties

Name	Description
instruction	<u>Definition:</u> Specifies the instructions for migrating a process to a new version. <u>Type</u> WFProcessMigrationInstruction <u>Allowed Values:</u> A WFProcessMigrationInstruction object.
IncludeXmlData	<u>Definition:</u> Specifies whether a migration includes XML data. <u>Type</u> bool <u>Allowed Values:</u> True - The migration includes an XML data. False - The migration does not include an XML data.
Action	<u>Definition:</u> Specifies the migration action. <u>Type</u>

Name	Description
	MigrationAction <u>Allowed Values:</u> A valid migration action.
MatchingActivityDefinition	<u>Definition:</u> Specifies information for activity migration. <u>Type</u> class <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.

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: 'http://mydomain:9011/AgilePointServer/Workflow/
      MigrateProcInst/524DFF231F0547198D1D48C5EF25EF4A/null',
  data: JSON.stringify(JSONData)
});
});
```

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/QueryProcInsts

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. <u>Type</u> WFQueryExprHelper <u>Allowed Values:</u> A valid WFQueryExpr object.
ColumnName	<u>Definition:</u> Gets and sets the associated database column name. <u>Type</u> string <u>Allowed Values:</u> A valid database column name.
Operator	<u>Definition:</u> Specifies the operator used for comparison. <u>Type</u> int <u>Allowed Values:</u> A valid operator.
IsValue	<u>Definition:</u> Gets and sets the flag that indicates if it compares a value or column of the table. <u>Type</u> bool

Name	Description
	<u>Allowed Values:</u> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.

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 QueryProcessInstances(String ColumnName,
    String Operator,
    String WhereClause, boolean IsValue) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("ColumnName", ColumnName);
        postData.put("Operator", Operator);
        postData.put("WhereClause", WhereClause);
        postData.put("IsValue", IsValue);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string QueryProcInsts()
{
    string URI = "http://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, jsontdata);
    }

```

Output

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

JSON Response Body Example

```

[[
  {
    "ApplName": "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": "5C56CAD7CB74C9DA596CC149834BD81",
    "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	<u>Definition:</u> The where clause of the SQL statement you want to query. <u>Type</u> string <u>Allowed Values:</u> The where clause of a SQL statement.

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 QueryProcessInstancesUsingSQL(String sqlWhereClause) {
```

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

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

JSONObject postData = new JSONObject();
try {
    postData.put("sqlWhereClause", sqlWhereClause);
    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
```

C# Code Example

```
public string QueryProcInstsUsingSQL()
{
    string URL = "http://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

```
[{
  "ApplName": "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	<u>Definition:</u> Specifies the unique ID of a process instance. <u>Type</u> string <u>Allowed Values:</u> A valid process instance ID

JavaScript Code Example

```
$("#btnRestoreProcInst").click(function () {
    $.ajax({
        url: "http://mydomain:9011/AgilePointServer/Workflow/
```

```
RestoreProcInst/0008D8ACD70B4D38955F0777C5433963"

});

});
```

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

Name	Description
	A valid process instance ID

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string ResumeProcInst()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        ResumeProcInst/3E7376EC110A4B558B5138F69D2E1462";  
    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/\[activityInstanceId\]](https://[domain]:[port]/AgilePointServer/Workflow/RollbackProcInst/[activityInstanceId])

URL Format (AgilePoint for Azure)

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

Request Parameters

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

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string RollbackProcInst()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        RollbackProcInst/3E7376EC110A4B558B5138F69D2E1462";  
    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/SplitProcInst

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
instruction	<u>Definition:</u> Specifies the instructions for splitting a process instance. <u>Type</u> WFProcessSplitting <u>Allowed Values:</u> A WFProcessSplitting object.
SplitProcessInstances	<u>Definition:</u> An array of instances of the SplitProcessParameter class. <u>Type</u> SplitProcessParameter <u>Allowed Values:</u> A valid SplitProcessParameter object.
SplittingProcessInstanceId	<u>Definition:</u>

Name	Description
	An array that includes the process instance IDs of the process instances you are splitting. <u>Type</u> string <u>Allowed Values:</u> An array of valid process instance IDs.

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),

    });

});
```

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

JavaScript Code Example

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

Java Code Example

```
public String SuspendProcInst(String processInstanceId) {
```

```
String URI = "http://mydomain:9011/AgilePointServer/Workflow/SuspendProcInst/"
            + processInstanceID;

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

JSONObject postData = new JSONObject();

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

C# Code Example

```
public string SuspendProcInst()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
                SuspendProcInst/FF0B6F6177234D7AB3EEFDBDF485093A";

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

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

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": "",
  "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\"?>
    <WFEEvent>
      <param name=\"ProcInstID\"
        value=\"00131C75A35046A89E32B64C4649E075\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
    <\WFEEvent>",
  "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/UpdateProcInst/[processInstanceId]

URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Workflow/UpdateProcInst/[processInstanceId]

Request Parameters

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

Request Body Properties

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

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 UpdateProcessInstance(String processInstanceID,
    String[] Name, String[] Value) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/UpdateProcInst/"
        + processInstanceID;

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

    JSONObject postMainData = new JSONObject();

    JSONArray postArray = new JSONArray();

    try {
```

```
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());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
```

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

URL Format (AgilePoint for Azure)

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

Request Parameters

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

JavaScript Code Example

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

Java Code Example

```
public String CancelActivityInst(String activityInstanceID,  
    String FromUser, Calendar StartDate) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/CancelActivityInst/"  
        + activityInstanceID;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    JSONObject postData = new JSONObject();  
    try {  
        postData.put("FromUser", FromUser);  
        postData.put("StartDate", "\\Date(" + StartDate.getTimeInMillis()  
            + "+0000)\\");  
        return ops.POSTMethod(URI, postData.toString());  
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

C# Code Example

```
public string CancelActivityInst()
{
    string URI = "http://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	<u>Definition:</u> The unique ID for an activity instance. <u>Type</u> string <u>Allowed Values:</u> A valid activity instance ID.

JavaScript Code Example

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

Java Code Example

```
public String GetActivityInst(String activityInstanceID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetActivityInst/"  
                + activityInstanceID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetActivityInst()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInst/2CA7408CB9FA444A90BEE3E826A83593";  
  
    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	<u>Definition:</u> Specifies the unique ID of a process instance. <u>Type</u> string <u>Allowed Values:</u> A valid process instance ID

JavaScript Code Example

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

Java Code Example

```
public String GetActivityInstsByPIID(String processsInstanceId) {
```



```
String URI = "http://mydomain:9011/AgilePointServer/Workflow/
GetActivityInstsByPIID/"
            + processInstanceID;

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

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

C# Code Example

```
public string GetActivityInstsByPIID()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
GetActivityInstsByPIID/A2D3DB711D0C4975942FFDA7EE923670";

    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/[procInstID]

URL Format (AgilePoint for Azure)

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

Request Parameters

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

JavaScript Code Example

```
$("#btnGetActivityInstStatus").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
```

```

        GetActivityInstStatus/0FD3088F40B640D4AFE41AEEDBAE914B",
        type: "GET"
    });
});

```

Java Code Example

```

public String GetActivityInstStatus(String procInstID) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/
GetActivityInstStatus/"
                + procInstID;

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

    return ops.GETMethod(URI);
}

```

C# Code Example

```

public string GetActivityInstStatus()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
GetActivityInstStatus/EBA75C4F8FE64FC7ABC45B5522D3E4BA";

    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	<u>Definition:</u> Specifies the where clause of a SQL query expression. <u>Type</u> WFQueryExprHelper <u>Allowed Values:</u> A valid WFQueryExpr object.
ColumnName	<u>Definition:</u> Gets and sets the associated database column name. <u>Type</u>

Name	Description
	string <u>Allowed Values:</u> A valid database column name.
Operator	<u>Definition:</u> Specifies the operator used for comparison. <u>Type</u> int <u>Allowed Values:</u> A valid operator.
IsValue	<u>Definition:</u> Gets and sets the flag that indicates if it compares a value or column of the table. <u>Type</u> bool <u>Allowed Values:</u> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.

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 ColumnName, String Operator,
    String WhereClause, boolean IsValue) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts";
```

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

JSONObject postData = new JSONObject();
try {
    postData.put("ColumnName", ColumnName);
    postData.put("Operator", Operator);
    postData.put("WhereClause", WhereClause);
    postData.put("IsValue", IsValue);
    return ops.POSTMethod(URL, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
```

Output

An array of WFBBaseActivityInstance 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	<u>Definition:</u> Specifies the where clause of a SQL query expression. <u>Type</u> WFQueryExpr <u>Allowed Values:</u> A valid WFQueryExpr object.

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"
    });
});
```

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="http://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	<u>Definition:</u> The unique ID for an activity instance. <u>Type</u>

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

JavaScript Code Example

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

Java Code Example

```
public String RollbackActivityInst(String activityInstanceID) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/CancelActivityInst/"
        + activityInstanceID;

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

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

C# Code Example

```
public string RollbackActivityInst()
{
    string URI="http://mydomain:9011/AgilePointServer/Workflow/
        RollbackActivityInst/21445F95AB024985A221BAC6F94BAF26";

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

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

Output

[WFEEvent](#) 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	<u>Definition:</u> Specifies the instructions for the partial rollback. <u>Type</u> WFPartialRollbackInstruction <u>Allowed Values:</u> A WFPartialRollbackInstruction object.

JavaScript Code Example

```
$("#btnRollbackActivityInsts").click(function () {  
  
    var JSONData = {"PartialRollbackUnits":  
        [{"DestinationActivityInstanceID":"DF93620D4ED14458B60857C4EA862702",  
          "SourceActivityInstanceIDs":["575CB3B3C2EB495B884B0AD1505D4E0A"]} ]};  
  
    $.ajax({  
        url: 'http://mydomain:9011/AgilePointServer/Workflow/RollbackActivityInsts',  
        data: JSON.stringify(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":"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	<u>Definition:</u> An ID that represents a work item (task). <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.
activate	<u>Definition:</u> Activates or inactivate a work item. <u>Type</u> bool <u>Allowed Values:</u> • True - Activates the work item. • False - Inactivates the work item.

Request Body Properties

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

Name	Description
	<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.

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 workItemId, String clientData,
    boolean activate) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/ActivateWorkItem/"
        + workItemId + "/" + activate;

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("clientData", clientData);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string ActivateWorkItem()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/ActivateWorkItem/E48644178C514A95AB457F00A35F1550/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	<u>Definition:</u> An ID that represents a work item (task). <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.

Request Body Properties

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

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 workItemId, String clientData) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/AssignWorkItem/"
        + workItemId;

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("clientData", clientData);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string AssignWorkItem()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
        AssignWorkItem/E48644178C514A95AB457F00A35F1550";

    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\"?>
    <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(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/\[workItemID\]](https://[domain]:[port]/AgilePointServer/Workflow/CancelWorkItem/[workItemID])

URL Format (AgilePoint for Azure)

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

Request Parameters

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

Request Body Properties

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

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 workItemID, String clientData) {
```

```
String URI = "http://mydomain:9011/AgilePointServer/Workflow/CancelWorkItem/"
            + workItemID;

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

JSONObject postData = new JSONObject();
try {
    postData.put("clientData", clientData);
    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
```

C# Code Example

```
public string CancelWorkItem()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
        CancelWorkItem/E48644178C514A95AB457F00A35F1550";

    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\"?>
    <WFEvent>
      <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]

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
workItemID	<u>Definition:</u> An ID that represents a work item (task).

Name	Description
	<u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.

Request Body Properties

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

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 workItemID, String clientData) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/CompleteWorkItem/"
        + workItemID;

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

    JSONObject postData = new JSONObject();
    try {
```

```

    postData.put("clientData", clientData);
    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
}

```

C# Code Example

```

public string CompleteWorkItem()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
                CompleteWorkItem/E48644178C514A95AB457F00A35F1550";

    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

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

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

Name	Description
	Specifies whether the target work item waits for a linked work item to be completed or canceled before moving forward. <u>Type</u> bool <u>Allowed Values:</u> • True - The source work item waits until the linked work item is either completed or canceled, before it can be completed or canceled. • False - The source work item can be completed or canceled regardless of whether the linked work item is completed or canceled.
BusinessTime	<u>Definition:</u> Determines whether the system calculates the duration using your business time calendar. <u>Type</u> bool <u>Allowed Values:</u> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
Length	<u>Definition:</u> Specifies the length of time duration. <u>Type</u> string

Name	Description
	<u>Allowed Values:</u> A valid time duration length.
SourceWorkItemId	<u>Definition:</u> An ID that represents the original, or source, work item. <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-character ID.
Unit	<u>Definition:</u> Specifies the unit. <u>Type</u> string <u>Allowed Values:</u> A valid unit.
UserID	<u>Definition:</u> Specifies the user ID. <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 [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 SourceWorkItemID,
    String WorkToPerform, String UserID, String Length, String Unit,
    boolean BusinessTime, boolean bDependent, String ClientData) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/
CreateLinkedWorkItem";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("SourceWorkItemID", SourceWorkItemID);
        postData.put("WorkToPerform", WorkToPerform);
        postData.put("UserID", UserID);
        postData.put("Length", Length);
        postData.put("Unit", Unit);
        postData.put("BusinessTime", BusinessTime);
        postData.put("bDependent", bDependent);
        postData.put("ClientData", ClientData);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}

```

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\"?>
    <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\\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

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
bReserved	<u>Definition:</u> Reserved for future use. <u>Type</u> bool <u>Allowed Values:</u> A null value
BusinessTime	<u>Definition:</u> Determines whether the system calculates the duration using your business time calendar. <u>Type</u> bool <u>Allowed Values:</u>

Name	Description
	• True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
Length	<u>Definition:</u> Specifies the length of time duration. <u>Type</u> string <u>Allowed Values:</u> A valid time duration length.
SourceWorkItemID	<u>Definition:</u> An ID that represents the original, or source, work item. <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-character ID.
Unit	<u>Definition:</u> Specifies the unit. <u>Type</u> string <u>Allowed Values:</u> A valid unit.

Name	Description
UserID	<u>Definition:</u> Specifies the user ID. <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 [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 SourceWorkItemID,
    String WorkToPerform, String UserID, String Length, String Unit,
    boolean BusinessTime, boolean bReserved, boolean ClientData) {

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

```

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

JSONObject postData = new JSONObject();
try {
    postData.put("SourceWorkItemID", SourceWorkItemID);
    postData.put("WorkToPerform", WorkToPerform);
    postData.put("UserID", UserID);
    postData.put("Length", Length);
    postData.put("Unit", Unit);
    postData.put("BusinessTime", BusinessTime);
    postData.put("bDependent", bReserved);
    postData.put("ClientData", ClientData);
    return ops.POSTMethod(URL, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
}

```

C# Code Example

```

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

    string jsonRequestData = "{
        \"SourceWorkItemID\": \"E48644178C514A95AB457F00A35F1550\",
        \"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

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\"?>
  <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

URL Format (AgilePoint for Azure)

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. <u>Type</u> string <u>Allowed Values:</u> A valid activity instance ID.
BusinessTime	<u>Definition:</u> Determines whether the system calculates the duration using your business time calendar. <u>Type</u> bool <u>Allowed Values:</u> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string

Name	Description
	<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.
Length	<u>Definition:</u> Specifies the length of time duration. <u>Type</u> string <u>Allowed Values:</u> A valid time duration length.
Unit	<u>Definition:</u> Specifies the unit. <u>Type</u> string <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 ActivityInstanceID,
    String WorkToPerform, String UserID, String Length, String Unit,
    boolean BusinessTime, String ClientData) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("ActivityInstanceID", ActivityInstanceID);
        postData.put("WorkToPerform", WorkToPerform);
        postData.put("UserID", UserID);
        postData.put("Length", Length);
        postData.put("Unit", Unit);
        postData.put("BusinessTime", BusinessTime);
        postData.put("ClientData", ClientData);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string CreateWorkItem()
{
    string URI = "http://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\"?>
    <WFEvent>
      <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\" \/\>
    <\WFEvent>",
  "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]

URL Format (AgilePoint for Azure)

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

Request Parameters

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

JavaScript Code Example

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

```

        type: "GET"
    });
});

```

Java Code Example

```

public String GetWorkItem(String workItemID) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetWorkItem/"
        + workItemID;

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

    return ops.GETMethod(URI);
}

```

C# Code Example

```

public string GetWorkItem()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
        GetWorkItem/E48644178C514A95AB457F00A35F1550";

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

    return ops.GetData(URI);
}

```

Output

WFMaunalWorkItem object.

JSON Response Body Example

```

{
  "GetWorkItemResult":
  {
    "ActivatedDate": "\/Date(1394147363103+0000)\/",
    "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
    "ApplName": "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	<u>Definition:</u> The status of the work item. <u>Type</u> string <u>Allowed Values:</u> • New - The work item is in a pool, more than one participant shares the work item and needs to be assigned. • Assigned - The work item is assigned to a participant and needs to be performed. • Removed - The work item was originally in a pool (status is new), and didn't get assigned to the user. • Completed - The work item is completed. • Reassigned - The work item is re-assigned to the other user. • Canceled - The work item is canceled. • Overdue - The work item is overdue. • Carbon - The work item is a carbon copy that does not affect process instance running.
UserName	<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]. <u>Type</u> string <u>Allowed Values:</u> A valid user name for a registered AgilePoint user.

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 UserName, String Status) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetWorkListByUserID";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("UserName", UserName);
        postData.put("Status", Status);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}

```

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	<u>Definition:</u>

Name	Description
	Specifies the where clause of a SQL query expression. <u>Type</u> WFQueryExprHelper <u>Allowed Values:</u> A valid WFQueryExpr object.

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 ColumnName, String Operator,
    String WhereClause, boolean IsValue) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/QueryWorkList";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("ColumnName", ColumnName);
        postData.put("Operator", Operator);
        postData.put("WhereClause", WhereClause);
        postData.put("IsValue", IsValue);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string QueryWorkList()
{
    string URI = "http://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

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

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

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 sqlWhereClause) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/
QueryWorkListUsingSQL";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("sqlWhereClause", sqlWhereClause);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}

```

C# Code Example

```

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

    string jsonRequestData = "{
        \"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, jsonRequestData);
}

```

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	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
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.
WorkItemID	<u>Definition:</u> An ID that represents a work item (task). <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.

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 WorkItemID, String UserName,
    String ClientData) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/ReassignWorkItem";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("WorkItemID", WorkItemID);
        postData.put("UserName", UserName);
        postData.put("ClientData", ClientData);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}

```

C# Code Example

```

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

    string jsonRequestData = "{
        \"WorkItemID\": \"\" + \"27BDCAFF90954753B0F8FA8F864EA79C\" + \"\",
        \"UserName\": \"\" + userName + \"\",
        \"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\"?>
    <WFEEvent>
      <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\" \/>
    </WFEEvent>",
  "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	<u>Definition:</u> An ID that represents a work item (task). <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.

Request Body Properties

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

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 workItemID, String clientData) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/UndoAssignWorkItem/"
        + workItemID;

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("clientData", "");
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string UndoAssignWorkItem()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/UndoAssignWorkItem/27BDCAFF90954753B0F8FA8F864EA79C";

    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": "FEACD610F5B24901B231F9038D74DF88",
  "EventName": "UndoAssignWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEEvent>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
      <param name=\"ActivityInstID\"
        value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
      <param name=\"WorkItemID\"
        value=\"9FA1E98B85264545A62384A57D24FFF4\" \/\>
    <\WFEEvent>",
  "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	<u>Definition:</u> An ID that represents a work item (task). <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.

Request Body Properties

Name	Description
attributes	<u>Definition:</u> A NameValue array that contains the attributes that needs to be updated in the work item. <u>Type</u> NameValue <u>Allowed Values:</u> For a manual work item, the following attributes can be updated: • NAME • ORIGINAL_USER_ID • CLIENT_DATA, POOL_ID • POOL_INFO • STATUS • USER_ID • PRIORITY • DUE_DATE

Name	Description
	For an automatic work item, the following attributes can be updated: • DUE_DATE • STATUS - if the value is Canceled, Completed, Overdue, Running, or Waiting.

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 workItemID, String[] Name,  
    String[] Value) {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/UpdateWorkItem/"  
        + workItemID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    JSONArray postArray = new JSONArray();  
  
    try {  
        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(URI, postData.toString());  
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

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

JavaScript Code Example

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

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

Java Code Example

```
public String CancelProcedure(String workItemID) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/CancelProcedure/"
        + workItemID;

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

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

C# Code Example

```
public string CancelProcedure()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
        CancelProcedure/27BDCAFF90954753B0F8FA8F864EA79C";

    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\"?>
    <WFEEvent>
      <param name=\"ProcInstID\"
        value=\"3079D0D9031F4EBF808ED158C622FCC5\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
      <param name=\"WorkItemID\"
        value=\"0077C938254B4D6BAC2BD65566C706D6\" \\/>
    <\WFEEvent>",
"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/\[workItemID\]](https://[domain]:[port]/AgilePointServer/Workflow/CompleteProcedure/[workItemID])

URL Format (AgilePoint for Azure)

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

Request Parameters

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

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string CompleteProcedure()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        CompleteProcedure/27BDCAFF90954753B0F8FA8F864EA79C";  
    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\"?>
    <WFEEvent>
      <param name=\"ProcInstID\"
        value=\"540e835b76b646ba9d43fecba792d00d\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
      <param name=\"WorkItemID\"
        value=\"0406BF0DEB9140DC8FE61076376B6166\" \/\>
    <\WFEEvent>",
  "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	<u>Definition:</u> An ID that represents a work item (task). <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.

JavaScript Code Example

```
$("#btnGetProcedure").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetProcedure/0000274B0AA64BBC8FCA086A6EFDA44",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetProcedure(String workItemID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetProcedure/"  
        + workItemID;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetProcedure()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/
                GetProcedure/27BDCAFF90954753B0F8FA8F864EA79C";

    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. <u>Type</u> WFQueryExprHelper <u>Allowed Values:</u> A valid WFQueryExpr object.
ColumnName	<u>Definition:</u> Gets and sets the associated database column name. <u>Type</u> string <u>Allowed Values:</u> A valid database column name.
Operator	<u>Definition:</u> Specifies the operator used for comparison. <u>Type</u> int

Name	Description
	<u>Allowed Values:</u> A valid operator.
WhereClause	<u>Definition:</u> Sets the conditions against a query. <u>Type</u> string <u>Allowed Values:</u> A valid SQL WHERE clause.
IsValue	<u>Definition:</u> Gets and sets the flag that indicates if it compares a value or column of the table. <u>Type</u> bool <u>Allowed Values:</u> True - It compares a value or column of the table. False - It does not compare a value or column of the table.

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 ColumnName, String Operator,
    String WhereClause, boolean IsValue) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList";

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

    JSONObject postData = new JSONObject();
```

```

try {
    postData.put("ColumnName", ColumnName);
    postData.put("Operator", Operator);
    postData.put("WhereClause", WhereClause);
    postData.put("IsValue", IsValue);

    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
}

```

C# Code Example

```

public string QueryProcedureList()
{
    string URI = "http://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": "F002ECAAF07764DE5B0ADE53D4FB7C2F4",
  "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	<u>Definition:</u> The unique ID of a delegation object. <u>Type</u> string <u>Allowed Values:</u> A valid delegation ID.

JavaScript Code Example

```
$("#btnActivateDelegation").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            ActivateDelegation/CFF4B6D3DBF546A2B0423AD413A94420",  
    });  
});
```

Java Code Example

```
public String ActivateDelegation(String delegationID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/ActivateDelegation/"  
                + delegationID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string ActivateDelegation()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Admin/  
                ActivateDelegation/C0298B1AA3444A28A7CE5E1DFC297A87";  
  
    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	<u>Definition:</u> Specifies a user from whom to delegate tasks. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
ToUser	<u>Definition:</u> Specifies the user who will receive the delegated tasks. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
StartDate	<u>Definition:</u> >The start date of delegation. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.

Name	Description
EndDate	<u>Definition:</u> Specifies the completion date of delegation. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.
Description	<u>Definition:</u> A free text description of a delegation. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.

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 FromUser, String ToUser,
    String StartDate, String EndDate, String Description, String Status) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/AddDelegation";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("FromUser", FromUser);
```

```

    postData.put("ToUser", ToUser);
    postData.put("StartDate", StartDate);
    postData.put("EndDate", EndDate);
    postData.put("Description", Description);
    postData.put("Status", Status);

    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
}

```

C# Code Example

```

public string AddDelegation(string username, string username1)
{
    string gh=@"\Date(928149600000+0000)\"/";
    string jsonRequestData = "{
        \"FromUser\": \"\" + username + "\",
        \"ToUser\": \"\" + username1 + "\",
        \"StartDate\": \"\" + gh + "\",
        \"EndDate\": \"\" + gh + "\",
        \"Description\": \"\" + \"Milind Test\" + "\",
        \"Status\": \"\" + \"Created\" + \"\"}";

    string URI = "http://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]

URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/CancelDelegation/[delegationID]

Request Parameters

Name	Description
delegationID	<u>Definition:</u> The unique ID of a delegation object. <u>Type</u> string <u>Allowed Values:</u> A valid delegation ID.

JavaScript Code Example

```
$("#btnCancelDelegation").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            CancelDelegation/CFF4B6D3DBF546A2B0423AD413A94420"  
    });  
});
```


Java Code Example

```
public String CancelDelegation(String delegationID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/CancelDelegation/"  
                + delegationID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string CancelDelegation()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Admin/  
                CancelDelegation/C0298B1AA3444A28A7CE5E1DFC297A87";  
  
    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	<u>Definition:</u> The unique ID of a delegation object. <u>Type</u> string <u>Allowed Values:</u> A valid delegation ID.

JavaScript Code Example

```
$("#btnGetDelegation").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetDelegation/E83A0F99EDB74FF7A048C01F1C5A32A7",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetDelegation(String delegationID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetDelegation/"  
        + delegationID;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetDelegation()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Admin/  
        GetDelegation/C0298B1AA3444A28A7CE5E1DFC297A87";  
}
```

```
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	<u>Definition:</u> Specifies a user from whom to delegate tasks. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
ToUser	<u>Definition:</u> Specifies the user who will receive the delegated tasks. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
Status	<u>Definition:</u> The status of the associated item. <u>Type</u> string <u>Allowed Values:</u> A valid status.

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 FromUser,
  String ToUser, String Status) {

  String URI = "http://mydomain:9011/AgilePointServer/Admin/GetDelegations";

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

  JSONObject postData = new JSONObject();
  try {
    postData.put("FromUser", FromUser);
    postData.put("ToUser", ToUser);
    postData.put("Status", Status);

    return ops.POSTMethod(URI, postData.toString());
  } catch (JSONException e1) {
    e1.printStackTrace();
  }
  return "";
}

```

C# Code Example

```

public string GetDelegations()
{
  string URI = "http://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",
"CreateDate": "\\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	<u>Definition:</u> The unique ID of a delegation object. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	A valid delegation ID.

JavaScript Code Example

```
$("#btnRemoveDelegation").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveDelegation/CFF4B6D3DBF546A2B0423AD413A94420"  
    });  
});
```

Java Code Example

```
public String RemoveDelegation(String delegationID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/RemoveDelegation/"  
        + delegationID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string RemoveDelegation()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Admin/  
        RemoveDelegation/C0298B1AA3444A28A7CE5E1DFC297A87";  
  
    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	<u>Definition:</u> The unique ID of a delegation object. <u>Type</u> string <u>Allowed Values:</u> A valid delegation ID.
FromUser	<u>Definition:</u> Specifies a user from whom to delegate tasks. <u>Type</u> string

Name	Description
	<u>Allowed Values:</u> A valid user name.
ToUser	<u>Definition:</u> Specifies the user who will receive the delegated tasks. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
StartDate	<u>Definition:</u> >The start date of delegation. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.
EndDate	<u>Definition:</u> Specifies the completion date of delegation. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.
Description	<u>Definition:</u> A free text description of a delegation. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Status	<u>Definition:</u> The status of the delegation. <u>Type</u>

Name	Description
	string <u>Allowed Values:</u> A valid status.

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 DelegationID, String FromUser,
    String ToUser, String StartDate, String EndDate,
    String Description, String Status) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/UpdateDelegation";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("DelegationID", DelegationID);
        postData.put("FromUser", FromUser);
        postData.put("ToUser", ToUser);
        postData.put("StartDate", StartDate);
        postData.put("EndDate", EndDate);
        postData.put("Description", Description);
        postData.put("Status", Status);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string UpdateDelegation(string username, string username1)
{
```

```

string gh = @"\/Date(928149600000+0000)\/";
string jsonRequestData = "{
  \"FromUser\": \"\" + username + "\",
  \"ToUser\": \"\" + username1 + "\",
  \"StartDate\": \"\" + \"\/Date(928149600000+0000)\/\" + "\",
  \"EndDate\": \"\" + \"\/Date(928149600000+0000)\/\" + "\",
  \"Description\": \"\" + \"Milind ReTest\" + "\",
  \"Status\": \"\" + \"Created\" + \"\"}";

string URI = "http://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	<u>Definition:</u> The ID for a process template owner. <u>Type</u> string <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 TemplateOwnerID,
    String MailTemplateXML) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/AddEmailTemplate";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("TemplateOwnerID", TemplateOwnerID);
        postData.put("MailTemplateXML", MailTemplateXML);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

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 processInstanceID) {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/  
GetMailDeliverables/"  
                + processInstanceID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetAllEmailTemplates()  
{  
    string URI = "http://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/\[mailTemplateID\]](https://[domain]:[port]/AgilePointServer/Admin/GetEmailTemplate/[mailTemplateID])

URL Format (AgilePoint for Azure)

[https://\[domain\]:\[port\]/AgilePointService/Admin/GetEmailTemplate/\[mailTemplateID\]](https://[domain]:[port]/AgilePointService/Admin/GetEmailTemplate/[mailTemplateID])

Request Parameters

Name	Description
mailTemplateID	<u>Definition:</u> The unique ID for an email template. <u>Type</u> string <u>Allowed Values:</u> A valid mail template ID.

JavaScript Code Example

```
$("#btnGetEMailTemplate").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetEMailTemplate/B460E2AF110E42ED97CE13CBFF42AB7B",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetEMailTemplate(String mailTemplateID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetEMailTemplate/"  
        + mailTemplateID;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetEMailTemplate()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Admin/  
        GetEMailTemplate/bddac11d-c79e-4ca4-a09c-70b2abd3";  
    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	<u>Definition:</u> The unique ID for an email template. <u>Type</u> string <u>Allowed Values:</u> A valid mail template ID.

JavaScript Code Example

```
$("#btnRemoveEMailTemplate").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveEMailTemplate/C769BA234EFD421B8B95A525B972E511"  
    });  
});
```

Java Code Example

```
public String RemoveEMailTemplate(String mailTemplateID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/RemoveEMailTemplate/"  
        + mailTemplateID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string RemoveEMailTemplate()  
{  
    string URI = "http://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	<u>Definition:</u> The unique ID for an email template. <u>Type</u> string <u>Allowed Values:</u> A valid mail template ID.

Name	Description
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.
TemplateModifiedUserName	<u>Definition:</u> Specifies qualified username for the modified email template. <u>Type</u> string <u>Allowed Values:</u> A valid user name.

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 MailTemplateID,
    String TemplateModifiedUserName, String MailTemplateXML) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/UpdateEMailTemplate";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("MailTemplateID", MailTemplateID);
        postData.put("TemplateModifiedUserName", TemplateModifiedUserName);
        postData.put("MailTemplateXML", MailTemplateXML);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
}
```

```
}  
  return "";  
}
```

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

Cancels 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	<u>Definition:</u> Specifies the unique ID for an email notification. <u>Type</u>

Name	Description
	string <u>Allowed Values:</u> A valid email notification ID.

JavaScript Code Example

```
$("#btnCancelMailDeliverable").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            CancelMailDeliverable/31C364347D364D0AA2EB2853340CA25D",  
    });  
});
```

Java Code Example

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

C# Code Example

```
public string CancelMailDeliverable()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        CancelMailDeliverable/4802495DCA8840EFAEE2943028EFAFEE";  
  
    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"  
    });  
});
```

Output

Array of WFMailDeliverable objects.

JSON Response Body Example

```
{  
  "GetExpectingSendMailDeliverableResult": [{  
    "ActivityInstID": "00000000000000000000000000000000",  
    "CreateDate": "\/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	<u>Definition:</u> Specifies the unique ID of a process instance. <u>Type</u>

Name	Description
	string <u>Allowed Values:</u> A valid process instance ID

JavaScript Code Example

```
$("#btnGetMailDeliverables").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetMailDeliverables/D91BE666F2044DDEAF5BD202FBBE2467",
        type: "GET"
    });
});
```

Java Code Example

```
public String GetMailDeliverables(String processInstanceId) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetMailDeliverables/"
        + processInstanceId;

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

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

C# Code Example

```
public string GetMailDeliverables()
{
    string URL = "http://mydomain:9011/AgilePointServer/Workflow/GetMailDeliverables/D9817B5BB4E4423FACFAAA80338C5611";

    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	<u>Definition:</u> File attachments included with the email. <u>Type</u> string <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 null or String.Empty.
Body	<u>Definition:</u> Specifies the body portion of an email. <u>Type</u> string <u>Allowed Values:</u> Free text.
CC	<u>Definition:</u> Specifies the CC portion of an email. <u>Type</u> string <u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.
From	<u>Definition:</u> Specifies the From portion of an email. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	A string that includes one or more email addresses in SMTP format.
Subject	<u>Definition:</u> The subject of an email. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
To	<u>Definition:</u> Specifies the To portion of an email. <u>Type</u> string <u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.

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 To,
    String CC, String From, String Subject,
    String Body, String Attachments) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/SendMail";

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

```
JSONObject postData = new JSONObject();
try {
    postData.put("To", To);
    postData.put("CC", CC);
    postData.put("From", From);
    postData.put("Subject", Subject);
    postData.put("Body", Body);
    postData.put("Attachments", Attachments);

    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
```

C# Code Example

```
public string SendMail()
{
    string URI = "http://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	<u>Definition:</u> Specifies the unique ID for an email notification. <u>Type</u> string <u>Allowed Values:</u> A valid email notification ID.

JavaScript Code Example

```
$("#btnResendMailDeliverable").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            ResendMailDeliverable/31C364347D364D0AA2EB2853340CA25D",  
    });  
});
```

Java Code Example

```
public String ResendMailDeliverable(String mailID) {
```

```
String URI = "http://mydomain:9011/AgilePointServer/Workflow/ResendMailDeliverable/"
            + mailID;

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

JSONObject postData = new JSONObject();

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

C# Code Example

```
public string ResendMailDeliverable()
{
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/ResendMailDeliverable/B17F0750FBAB4043A8E319C9B5EF1EB2";

    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	<u>Definition:</u> A work object ID specified within a process instance. <u>Type</u> string <u>Allowed Values:</u> One valid work object ID.

JavaScript Code Example

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

Java Code Example

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

C# Code Example

```
public string DeleteCustomAttrs()  
{  
    string URL = "http://mydomain:9011/AgilePointServer/Workflow/  
                DeleteCustomAttrs/FEC1DFE6281E4807A172FB001F0944D0";
```



```
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> A work object ID specified within a process instance. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	One valid work object ID.

Request Body Properties

Name	Description
attrName	<u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair. <u>Type</u> string <u>Allowed Values:</u> A valid name.

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 customID, String attrName) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetCustomAttr/"  
        + customID;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    JSONObject postData = new JSONObject();  
    try {  
        postData.put("attrName", attrName);  
        return ops.POSTMethod(URI, postData.toString());  
    } catch (JSONException e) {  
        e.printStackTrace();  
    }  
    return "";  
}
```

C# Code Example

```
public string GetCustomAttr()
{
    string URL = "http://mydomain:9011/AgilePointServer/Workflow/
                GetCustomAttr/FE6F63E224174FE9BD8B30A8ADCB0434";

    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	<u>Definition:</u> A work object ID specified within a process instance. <u>Type</u> string <u>Allowed Values:</u> One valid work object ID.

JavaScript Code Example

```
$("#btnGetCustomAttrsByID").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetCustomAttrsByID/00084509E95E4A72B51A602DB6EA182C",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetCustomAttrsByID(String customID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsbyID/"  
        + customID;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetCustomAttrsByID()  
{  
    string URL = "http://mydomain:9011/AgilePointServer/Workflow/  
        GetCustomAttrsByID/FE6F63E224174FE9BD8B30A8ADCB0434";  
    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	<u>Definition:</u> Multiple work object IDs specified within a process instance. <u>Type</u> string <u>Allowed Values:</u> An array of valid work object IDs.

JavaScript Code Example

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

    var JSONObject = {
        customIDs : "0080D881497C47C19B32BD45967E8ABA;
                    0C98EAF88D1F4F6A8E5E3B1C9A25D8D7;
                    351BC22E020D439AB724123ACB76FCDA"
    };

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

});
```

Java Code Example

```
public String GetCustomAttrbyIDs(String customIDs) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/
GetCustomAttrbyIDs";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("customIDs", customIDs);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

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	<u>Definition:</u> A group of process attributes names. <u>Type</u> string <u>Allowed Values:</u> An array of valid process attribute names.
CustomIDs	<u>Definition:</u> Multiple work object IDs specified within a process instance. <u>Type</u> string

Name	Description
	<u>Allowed Values:</u> An array of valid work object IDs.

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 CustomIDs, String AttrNames) {
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsByNames";
    HTTPOperations ops = new HTTPOperations(domain, this.userName, password, appID, locale);
    JSONObject postData = new JSONObject();
    try {
        postData.put("CustomIDs", CustomIDs);
        postData.put("AttrNames", AttrNames);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string GetCustomAttrsByNames()
{
    string URL = "http://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>"
  }
}]
```

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	<u>Definition:</u> A work object ID specified within a process instance. <u>Type</u> string <u>Allowed Values:</u> One valid work object ID.

Request Body Properties

Name	Description
attributeName	<u>Definition:</u> The name of the process instance attribute you want. <u>Type</u> string <u>Allowed Values:</u> A valid process instance attribute.

JavaScript Code Example

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

```
$.ajax({  
  url: "https://mydomain:9011/AgilePointServer/Workflow/  
      RemoveCustomAttr/864739D327144B22A48F77FAC09A24DB/test1",  
});  
});
```

Java Code Example

```
public String RemoveCustomAttr(String customID, String attributeName) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/RemoveCustomAttr/"  
                + customID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    try {  
        postData.put("attributeName", attributeName);  
        return ops.POSTMethod(URI, postData.toString());  
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

C# Code Example

```
public string RemoveCustomAttr()  
{  
    string URL = "http://mydomain:9011/AgilePointServer/Workflow/  
                RemoveCustomAttr/136D2E2E364F445F9E4B0A6673AF8F69/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	<u>Definition:</u> A work object ID specified within a process instance. <u>Type</u> string <u>Allowed Values:</u> One valid work object ID.

Request Body Properties

Name	Description
namesArray	<u>Definition:</u> The the names of one or more items, such as a properties or attributes. <u>Type</u> string

Name	Description
	<u>Allowed Values:</u> An array of valid names.

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 customID, String namesArray) {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/RemoveCustomAttrs/"  
        + customID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    try {  
        postData.put("namesArray", namesArray);  
        return ops.POSTMethod(URI, postData.toString());  
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

C# Code Example

```
public string RemoveCustomAttrs()  
{  
    string URL = "http://mydomain:9011/AgilePointServer/Workflow/  
        RemoveCustomAttrs/2926CD677D434679964F60C676206C14";  
  
    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	<u>Definition:</u> A work object ID specified within a process instance. <u>Type</u> string <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> NameValue <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 customID,
    String[] Name, String[] Value) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/SetCustomAttrs/"
        + customID;

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

    JSONObject postMainObject = new JSONObject();
    JSONArray postArray = new JSONArray();
    try {
        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(URI, postMainObject.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```



```
}
```

C# Code Example

```
public string btnSetCustomAttrs()  
{  
    string URL = "http://mydomain:9011/AgilePointServer/Workflow/  
                SetCustomAttrs/FE6F63E224174FE9BD8B30A8ADCB0434";  
  
    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	<u>Definition:</u> A free text description of an entity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> bool <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.
GroupName	<u>Definition:</u> Specifies the name of a group. <u>Type</u> string <u>Allowed Values:</u> A valid group name.
ResponsibleUser	<u>Definition:</u>

Name	Description
	The user name for the responsible user of this group. The responsible user must be a registered AgilePoint user. <u>Type</u> string <u>Allowed Values:</u> A valid user name.

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 GroupName, String Description,
    String ResponsibleUser, boolean Enabled) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/AddGroup";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("GroupName", GroupName);
        postData.put("Description", Description);
        postData.put("ResponsibleUser", ResponsibleUser);
        postData.put("Enabled", Enabled);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

Output

WFGroup 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	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
Description	<u>Definition:</u> A free text description of an entity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> bool <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.
GroupName	<u>Definition:</u> Specifies the name of a group. <u>Type</u> string <u>Allowed Values:</u> A valid group name.

Name	Description
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 GroupName, String Description,
    String UserName, String ClientData, boolean Enabled) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/AddGroupMember";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("GroupName", GroupName);
        postData.put("Description", Description);
        postData.put("UserName", UserName);
        postData.put("ClientData", ClientData);
        postData.put("Enabled", Enabled);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string AddGroupMember(string groupname, string data)
```

```
{
    string URL = "http://mydomain:9011/AgilePointServer/Admin/AddGroupMember";

    string jsonRequestData = "{
        \"GroupName\": \"\" + groupname + "\",
        \"Description\": \"\" + \"test\" + "\",
        \"UserName\": \"\" + data + "\",
        \"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	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.
Description	<u>Definition:</u> A free text description of an entity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Rights	<u>Definition:</u> Specifies the rights that are assigned to the Role. <u>Type</u> WFAccessRights <u>Allowed Values:</u> An array of index values. See the table for appropriate indexes. WFAccessRights provides the enums for rights. See the sample code for more information.

Name	Description
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> bool <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.

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
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

Index	Rights
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 RoleName,  
    String Description, boolean Enabled,  
    String[] Rights) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/AddRole";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    try {  
        JSONObject postData = new JSONObject();  
        postData.put("RoleName", RoleName);  
        postData.put("Description", Description);  
        postData.put("Enabled", Enabled);  
        JSONArray rights = new JSONArray();  
        for (String temp : Rights) {  
            rights.put(temp);  
        }  
        postData.put("Rights", rights);  
        return ops.POSTMethod(URI, postData.toString());  
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

C# Code Example

```
public string AddRole()
```

```
{
    string URL = "http://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": "NNNNNNNNNNNNYNNYNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN"
}
```

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	<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.
AssigneeType	<u>Definition:</u> The type for the assignee for the task. <u>Type</u> string <u>Allowed Values:</u> • User - Assigns the task to a user. • Group - Assigns the task to a group.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u>

Name	Description
	string <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.
ObjectID	<u>Definition:</u> Reserved for future use. <u>Type</u> string <u>Allowed Values:</u> A null value.
ObjectType	<u>Definition:</u> Reserved for future use. <u>Type</u> string <u>Allowed Values:</u> A null value.
RoleName	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.

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 RoleName, String Assignee,
    String AssigneeType, String ClientData, String ObjectID,
    String ObjectType) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/AddRoleMember";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("RoleName", RoleName);
        postData.put("Assignee", Assignee);
        postData.put("AssigneeType", AssigneeType);
        postData.put("ClientData", ClientData);
        postData.put("ObjectID", ObjectID);
        postData.put("ObjectType", ObjectType);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}

```

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	<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.

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 userName) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetAccessRights";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("userName", userName);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string GetAccessRights(string username)
{
    string URL = "http://mydomain:9011/AgilePointServer/Admin/GetAccessRights";

    string jsonRequestData = "{\"userName\":\"" + username + "\"}";

    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 = "http://mydomain:9011/AgilePointServer/Admin/GetAccessRightNames";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetAccessRightNames()
{
    string URL = "http://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	<u>Definition:</u> Specifies the name of a group. <u>Type</u> string <u>Allowed Values:</u> A valid group name.

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 GroupName) {
```

```
String URI = "http://mydomain:9011/AgilePointServer/Admin/GetGroup/"
            + GroupName;

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

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

C# Code Example

```
public string GetGroup()
{
    string URL = "http://mydomain:9011/AgilePointServer/Admin/
                GetGroup/Users";

    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	<u>Definition:</u> Specifies the name of a group. <u>Type</u> string <u>Allowed Values:</u> A valid group name.

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 groupName) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetGroupMembers/"  
        + groupName;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetGroupMembers()
{
    string URL = "http://mydomain:9011/AgilePointServer/Admin/
                GetGroupMembers/Users";

    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 = "http://mydomain:9011/AgilePointServer/Admin/GetGroups";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetGroups()  
{  
    string URL = "http://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	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.

JavaScript Code Example

```
$("#btnGetRole").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            GetRole/Administrators",
        type: "GET"
```


Supported Versions

AgilePoint BPMS v5.0 R2 and higher

Get Roles

API Type

REST

HTTP Method

GET

Description

Retrieves a list of all roles in the system.

URL Format (On Premises)

https://[domain]:[port]/AgilePointServer/Admin/GetRoles

URL Format (AgilePoint for Azure)

https://[domain]:[port]/AgilePointService/Admin/GetRoles

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetRoles").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetRoles",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetRoles() {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetRoles";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

```
}
```

C# Code Example

```
public string GetRoles()
{
    string URL = "http://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": "YYYYYYYYYYYYYYYYYYYYYYY
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN"
  }
  {
    "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": "YYYYYYYYYYYYYYYYYYYYYYY
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNN"
  }
}
```

```
] }
```

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	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.

Request Body Properties

Name	Description
sqlWhereClause	<u>Definition:</u> The where clause of the SQL statement you want to query.

Name	Description
	<u>Type</u> string <u>Allowed Values:</u> The where clause of a SQL statement.

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 roleName,
    String sqlWhereClause) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/QueryRoleMembers/"
        + roleName;

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("sqlWhereClause", sqlWhereClause);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string QueryRoleMembers()
{
    string jsonRequestData = "{ \"sqlWhereClause\": \"\" + \"ASSIGNEE_TYPE='User'\" +
    \"\"}";

    string URL="http://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	<u>Definition:</u> Specifies the name of a group. <u>Type</u> string <u>Allowed Values:</u> A valid group name.

JavaScript Code Example

```
$("#btnRemoveGroup").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveGroup/testGroup"  
    });  
});
```

Java Code Example

```
public String RemoveGroup(String groupName) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/RemoveGroup/"  
        + groupName;  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    JSONObject postData = new JSONObject();  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string RemoveGroup()  
{  
    string URL = "http://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> Specifies the name of a group. <u>Type</u> string

Name	Description
	<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 GroupName, String UserName) {
    String URI = "http://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("GroupName", GroupName);
        postData.put("UserName", UserName);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string RemoveGroupMember(string username)
```

```
{
    string URL = "http://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember";

    string jsonRequestData = "{
        \"GroupName\": \"\" + \"Administrators\" + \"\",
        \"UserName\": \"\" + username + \"\"}";

    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	<u>Definition:</u> The name of a role.

Name	Description
	<u>Type</u> string <u>Allowed Values:</u> A valid role name.

JavaScript Code Example

```
$("#btnRemoveRole").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveRole/testRole"  
    });  
});
```

Java Code Example

```
public String RemoveRole(String roleName) {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/RemoveRole/"  
                + roleName;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string RemoveRole()  
{  
    string URL = "http://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	<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.
AssigneeType	<u>Definition:</u> The type for the assignee for the task. <u>Type</u> string

Name	Description
	<u>Allowed Values:</u> User - Assigns the task to a user. Group - Assigns the task to a group.
ObjectID	<u>Definition:</u> Reserved for future use. <u>Type</u> string <u>Allowed Values:</u> A null value.
RoleName	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.

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 RoleName, String Assignee,
    String AssigneeType, String ObjectID) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember";

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

```

JSONObject postData = new JSONObject();
try {
    postData.put("RoleName", RoleName);
    postData.put("Assignee", Assignee);
    postData.put("AssigneeType", AssigneeType);
    postData.put("ObjectID", ObjectID);
    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
}

```

C# Code Example

```

public string RemoveRoleMember(string data)
{
    string URL = "http://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember";

    string jsonRequestData = "{
        \"RoleName\": \"\" + \"Administrators\" + \"\",
        \"Assignee\": \"\" + data + \"\",
        \"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	<u>Definition:</u> A free text description of an entity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> bool <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.
GroupName	<u>Definition:</u> Specifies the name of a group. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	A valid group name.
ResponsibleUser	<u>Definition:</u> The user name for the responsible user of this group. The responsible user must be a registered AgilePoint user. <u>Type</u> string <u>Allowed Values:</u> A valid user name.

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 GroupName, String Description,
    String ResponsibleUser, boolean Enabled) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/UpdateGroup";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("GroupName", GroupName);
        postData.put("Description", Description);
        postData.put("ResponsibleUser", ResponsibleUser);
        postData.put("Enabled", Enabled);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```


C# Code Example

```
public string UpdateGroup(string groupname, string data)
{
    string URL = "http://mydomain:9011/AgilePointServer/Admin/UpdateGroup";

    string jsonRequestData = "{
        \"GroupName\": \"\" + groupname + "\",
        \"Description\": \"\" + \"UpdateGroupTeest\" + "\",
        \"ResponsibleUser\": \"\" + data + "\",
        \"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	<u>Definition:</u> A free text description of an entity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> bool <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.
Rights	<u>Definition:</u> Specifies the rights that are assigned to the Role. <u>Type</u> WFAccessRights <u>Allowed Values:</u>

Name	Description
	An array of index values. See the table for appropriate indexes. WFAccessRights provides the enums for rights. See the sample code for more information.
RoleName	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.

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 RoleName, String Description,
    boolean Enabled, String[] Rights) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/UpdateRole";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("RoleName", RoleName);
        postData.put("Description", Description);
        postData.put("Enabled", Enabled);
        JSONArray rights = new JSONArray();
        for (String temp : Rights) {
            rights.put(temp);
        }
        postData.put("Rights", rights);
    }
```

```
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

Output

An updated WFRole object.

JSON Response Body Example

[illegible]

Supported Versions

AgilePoint BPMS v5.0 R2 and higher

Other Web Services

This section describes other additional web services.

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 = "http://mydomain:9011/AgilePointServer/Workflow/GetUUID";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetUUID()  
{  
    string URI = "http://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	<u>Definition:</u> The where clause of the SQL statement you want to query. <u>Type</u> string <u>Allowed Values:</u> The where clause of a SQL statement.

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 where) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("where", where);
        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string QueryAuditTrail()
{
    string URL = "http://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

URL Format (AgilePoint for Azure)

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

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

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

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 sql) {

    String URI = "http://mydomain:9011/AgilePointServer/Workflow/QueryDatabase";

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

    JSONObject postData = new JSONObject();
    try {
        postData.put("sql", sql);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string QueryDatabase()
{
    string URI = "http://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	<u>Definition:</u> Specifies a unique ID for an event. <u>Type</u> string <u>Allowed Values:</u> A unique, 32-character ID.

JavaScript Code Example

```
$("#btnGetEvent").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetEvent/0001D1C507B0451082ECC56BB49713BB",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetEvent(String eventID) {  
    String URI = "http://mydomain:9011/AgilePointServer/Workflow/GetEvent/"  
        + eventID;  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetEvent()  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Workflow/  
        GetEvent/6E1259372F89448CA220718128ECB018";  
  
    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=\"AAF1FE3CEEBD410BA
          2D30745ACB95DAA\" \\/>
        <param name=\"ProcInstID\" value=\"10B50DDB36A04E66A6
          277CE0C72688EC\" \\/>
        <param name=\"ProcInstName\" value=\"AgileFormMobileApp-
          7F33E38BC8E945D6B3ED
          59B666C6ACAD\" \\/>
        <param name=\"ProcDefID\" value=\"9A901F728F124055
          A8759AAB0A97E966\" \\/>
        <param name=\"ClientData\" value=\"AAF1FE3CEEBD410
          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 GetDatabaseInformation() {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo";

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

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

C# Code Example

```
public string GetDatabaseInfo()
{
    string URI = "http://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	<u>Definition:</u> A filter term for groups that is wildcard-enabled. <u>Type</u> string <u>Allowed Values:</u> A string in the format (name=[my wildcard filter]).
LDAPPath	<u>Definition:</u> The LDAP path to the domain. <u>Type</u> string

Name	Description
	<u>Allowed Values:</u> A valid LDAP path. If the value is null, the AgilePoint Server machine domain will be used.

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 LDAPPath, String Filter) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetDomainGroups";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("LDAPPath", LDAPPath);
        postData.put("Filter", Filter);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

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	<u>Definition:</u> Specifies the name of a group in LDAP format. <u>Type</u> string <u>Allowed Values:</u> A valid a group name in LDAP format.

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 groupName) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("groupDistinguishedName", groupName);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

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 = "http://mydomain:9011/AgilePointServer/Admin/GetDomainName";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetDomainName(string userName)  
{  
    string URI = "http://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	<u>Definition:</u> A filter term for groups that is wildcard-enabled. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	A string in the format (name=[my wildcard filter]).
LDAPPath	<u>Definition:</u> The LDAP path to the domain. <u>Type</u> string <u>Allowed Values:</u> A valid LDAP path. If the value is null, the AgilePoint Server machine domain will be used.

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 LDAPPath, String Filter) {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetDomainUsers";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    try {  
        JSONObject postData = new JSONObject();  
        postData.put("LDAPPath", LDAPPath);  
        postData.put("Filter", Filter);  
  
        return ops.POSTMethod(URI, postData.toString());  
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

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 = "http://mydomain:9011/AgilePointServer/Admin/GetLocale";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                             password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetLocale()  
{  
    string URI = "http://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	<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.

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 userName)  
{  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetRegisterUser";  
    String jsonRequestData = "{ \"userName\": \"" + userName + "\" }";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```



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

C# Code Example

```
public string GetRegisterUser(string userName)  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Admin/GetRegisterUser";  
  
    string jsonRequestData = "{\"userName\":\""+userName+"\"}";  
  
    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 = "http://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetRegisterUsers()  
{  
    string URI = "http://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](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 = "http://mydomain:9011/AgilePointServer/Admin/GetSenderEmailAddress";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetSenderEmailAddress()  
{  
    string URI = "http://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 = "http://mydomain:9011/AgilePointServer/Admin/GetSMTPServer";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    return ops.GETMethod(URI);  
}
```

```
}
```

C# Code Example

```
public string GetSmtpServer()
{
    string URI = "http://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 GetSystemPerformanceInformation() {  
  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetSysPerfInfo()  
{  
    string URI = "http://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 = "http://mydomain:9011/AgilePointServer/Admin/GetSystemUser";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetSystemUser()  
{  
    string URI = "http://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	<u>Definition:</u> The where clause of the SQL statement you want to query. <u>Type</u> string <u>Allowed Values:</u> The where clause of a SQL statement.

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 sqlWhereClause) {
    String URI = "http://mydomain:9011/AgilePointServer/Admin/QueryRegisterUsersUsingSQL";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("sqlWhereClause", sqlWhereClause);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}
```

C# Code Example

```
public string QueryRegisterUsersUsingSQL(string RegisteredUser)
{
    string URI = "http://mydomain:9011/AgilePointServer/Admin/QueryRegisterUsersUsingSQL";

    string jsonRequestData = "{ \"sqlWhereClause\": \"" + RegisteredUser + "\" }";

    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	<u>Definition:</u> Gets and sets department of the user. <u>Type</u> string <u>Allowed Values:</u> A valid department name.
EmailAddress	<u>Definition:</u> Gets and sets the user's e-mail address.

Name	Description
	<u>Type</u> string <u>Allowed Values:</u> A valid e-mail address.
FullName	<u>Definition:</u> Specifies the full name of the user. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
Locale	<u>Definition:</u> Specifies the client locale. <u>Type</u> string <u>Allowed Values:</u> A valid locale in standardized format. <u>Example:</u> en-US
Manager	<u>Definition:</u> Specifies the manager of the user. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
OnlineContact	<u>Definition:</u> Gets and sets online contact of the user. <u>Type</u> string <u>Allowed Values:</u> A valid contact.

Name	Description
RefID	<u>Definition:</u> Specifies the reference ID for the user. <u>Type</u> string <u>Allowed Values:</u> A valid reference ID.
RegisteredDate	<u>Definition:</u> Gets and sets date registered. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.
TimeZone	<u>Definition:</u> Specifies the user's time zone. <u>Type</u> string <u>Allowed Values:</u> A valid time zone.
Title	<u>Definition:</u> Specifies the job title of the user. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
UALExpirationDate	<u>Definition:</u> Specifies the user's UAL expiration. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.

Name	Description
UALNeverExpires	<u>Definition:</u> Specifies whether UAL for the user expires. <u>Type</u> bool <u>Allowed Values:</u> • True - The UAL for the user expires. • False - The UAL for the user does not expire.
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.

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 Department, String EMailAddress,
    String FullName, String Locale, String Manager,
    String OnlineContact, String RefID, String TimeZone, String Title,
    String UserName, Calendar UALExpirationDate, boolean UALNeverExpires) {
    String URI = "http://mydomain:9011/AgilePointServer/Admin/RegisterUser";
```

```

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

try {
    JSONObject postData = new JSONObject();
    postData.put("Department", Department);
    postData.put("EmailAddress", EMailAddress);
    postData.put("FullName", FullName);
    postData.put("Locale", Locale);
    postData.put("Manager", Manager);
    postData.put("OnlineContact", OnlineContact);
    postData.put("RefID", RefID);
    postData.put("TimeZone", TimeZone);
    postData.put("Title", Title);
    postData.put("UserName", UserName);
    postData.put("RegisteredDate", "/" + Date("
        + Calendar.getInstance().getTimeInMillis() + ")");
    postData.put("UALExpirationDate",
        "/" + Date(" + UALExpirationDate.getTimeInMillis() + ")");
    postData.put("UALNeverExpires", UALNeverExpires);

    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
}
return "";
}

```

C# Code Example

```

public string RegisterUser()
{
    string URI = "http://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(-62135596800000)\\\"\",
        \"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	<u>Definition:</u> The user name for the user. <u>Type</u> string <u>Allowed Values:</u>

Name	Description
	A valid user name for a registered AgilePoint user.

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 userName) {  
    String URI = "http://mydomain:9011/AgilePointServer/Admin/UnregisterUser";  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
    try {  
        JSONObject postData = new JSONObject();  
        postData.put("userName", userName);  
        return ops.POSTMethod(URI, postData.toString());  
    } catch (JSONException e1) {  
        e1.printStackTrace();  
    }  
    return "";  
}
```

C# Code Example

```
public string UnregisterUser(string userName)  
{  
    string URI = "http://mydomain:9011/AgilePointServer/Admin/UnregisterUser";  
    string jasonRequestData = "{\"userName\":\"" + userName + "\"}";  
    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	<u>Definition:</u> Gets and sets department of the user. <u>Type</u> string <u>Allowed Values:</u> A valid department name.
EmailAddress	<u>Definition:</u> Gets and sets the user's e-mail address.

Name	Description
	<u>Type</u> string <u>Allowed Values:</u> A valid e-mail address.
FullName	<u>Definition:</u> Specifies the full name of the user. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
Locale	<u>Definition:</u> Specifies the client locale. <u>Type</u> string <u>Allowed Values:</u> A valid locale in standardized format. <u>Example:</u> en-US
Manager	<u>Definition:</u> Specifies the manager of the user. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
OnlineContact	<u>Definition:</u> Gets and sets online contact of the user. <u>Type</u> string <u>Allowed Values:</u> A valid contact.

Name	Description
RefID	<u>Definition:</u> Specifies the reference ID for the user. <u>Type</u> string <u>Allowed Values:</u> A valid reference ID.
TimeZone	<u>Definition:</u> Specifies the user's time zone. <u>Type</u> string <u>Allowed Values:</u> A valid time zone.
Title	<u>Definition:</u> Specifies the job title of the user. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
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.

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: "http://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser",
    data: JSON.stringify(JSONObject)
  });
});

```

Java Code Example

```

public String UpdateRegisterUser(String Department, String EMailAddress,
    String FullName, String Locale, String Manager,
    String OnlineContact, String RefID, String TimeZone, String Title,
    String UserName) {

    String URI = "http://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser";

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

    try {
        JSONObject postData = new JSONObject();
        postData.put("Department", Department);
        postData.put("EMailAddress", EMailAddress);
        postData.put("FullName", FullName);
        postData.put("Locale", Locale);
        postData.put("Manager", Manager);
        postData.put("OnlineContact", OnlineContact);
        postData.put("RefID", RefID);
        postData.put("TimeZone", TimeZone);
        postData.put("Title", Title);
        postData.put("UserName", UserName);

        return ops.POSTMethod(URI, postData.toString());
    } catch (JSONException e1) {
        e1.printStackTrace();
    }
    return "";
}

```

C# Code Example

```

public string UpdateRegisterUser()
{
    string URI = "http://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	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <u>Allowed Values:</u> A string that contains the client data.

Property	Description
	If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.
Description	<u>Definition:</u> A free text description of an entity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> bool <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.
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.

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	<u>Definition:</u> The ID for a process template owner. <u>Type</u> string <u>Allowed Values:</u> A valid process template owner ID.
MailTemplateXML	<u>Definition:</u> The XML for an email template. <u>Type</u> string

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> <code>string</code> <u>Allowed Values:</u> A valid user name or group name, depending upon the assignee type.

Property	Description
AssigneeType	<u>Definition:</u> The type for the assignee for the task. <u>Type</u> string <u>Allowed Values:</u> • User - Assigns the task to a user. • Group - Assigns the task to a group.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
ObjectID	<u>Definition:</u> Reserved for future use. <u>Type</u> string <u>Allowed Values:</u> A null value.
ObjectType	<u>Definition:</u> Reserved for future use. <u>Type</u> string <u>Allowed Values:</u> A null value.
RoleName	<u>Definition:</u> The name of a role. <u>Type</u>

Property	Description
	string <u>Allowed Values:</u> A valid role name.

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	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.

Property	Description
Description	<u>Definition:</u> A free text description of an entity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Rights	<u>Definition:</u> Specifies the rights that are assigned to the Role. <u>Type</u> WFAccessRights <u>Allowed Values:</u> An array of index values. See the table for appropriate indexes. WFAccessRights provides the enums for rights. See the sample code for more information.
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> bool <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.

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	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.

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	<u>Definition:</u> Specifies whether the target work item waits for a linked work item to be completed or canceled before moving forward. <u>Type</u> bool <u>Allowed Values:</u> • True - The source work item waits until the linked work item is either completed or canceled, before it can be completed or canceled. • False - The source work item can be completed or canceled regardless of whether the linked work item is completed or canceled.
BusinessTime	<u>Definition:</u> Determines whether the system calculates the duration using your business time calendar. <u>Type</u> bool <u>Allowed Values:</u> • True - The system calculates duration using business time.

Property	Description
	False - The calculates the duration based on real time.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
Length	<u>Definition:</u> Specifies the length of time duration. <u>Type</u> string <u>Allowed Values:</u> A valid time duration length.
SourceWorkItemID	<u>Definition:</u> An ID that represents the original, or source, work item. <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-character ID.
Unit	<u>Definition:</u> Specifies the unit. <u>Type</u> string <u>Allowed Values:</u> A valid unit.
UserID	<u>Definition:</u> Specifies the user ID.

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

Property	Description
	<u>Type</u> string <u>Allowed Values:</u> A valid process definition ID.
ProcessInstID	<u>Definition:</u> A process instance ID for the process instance you are creating. <u>Type</u> string <u>Allowed Values:</u> A unique, 32 character process instance ID. If you set this value to null, the AgilePoint Server generates the ID.
ProcInstName	<u>Definition:</u> A unique process name that is associated with the process definition. <u>Type</u> string <u>Allowed Values:</u> A unique process instance name up to 1024 characters.
SuperProcInstID	<u>Definition:</u> 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. <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-character process instance ID.
WorkObjID	<u>Definition:</u> An ID for an object, such as a document, that is associated with the process instance. <u>Type</u>

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

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	<u>Definition:</u> Reserved for future use. <u>Type</u> bool <u>Allowed Values:</u> A null value
BusinessTime	<u>Definition:</u> Determines whether the system calculates the duration using your business time calendar. <u>Type</u> bool <u>Allowed Values:</u> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
Length	<u>Definition:</u> Specifies the length of time duration. <u>Type</u> string

Property	Description
	<u>Allowed Values:</u> A valid time duration length.
SourceWorkItemID	<u>Definition:</u> An ID that represents the original, or source, work item. <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-character ID.
Unit	<u>Definition:</u> Specifies the unit. <u>Type</u> string <u>Allowed Values:</u> A valid unit.
UserID	<u>Definition:</u> Specifies the user ID. <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.

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	<u>Definition:</u> The unique ID for an activity instance. <u>Type</u> string <u>Allowed Values:</u> A valid activity instance ID.
BusinessTime	<u>Definition:</u> Determines whether the system calculates the duration using your business time calendar. <u>Type</u>

Property	Description
	bool <u>Allowed Values:</u> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
Length	<u>Definition:</u> Specifies the length of time duration. <u>Type</u> string <u>Allowed Values:</u> A valid time duration length.
Unit	<u>Definition:</u> Specifies the unit. <u>Type</u> string <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>

Property	Description
	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.

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
	A group of process attributes names. <u>Type</u> string <u>Allowed Values:</u> An array of valid process attribute names.
CustomIDs	<u>Definition:</u> Multiple work object IDs specified within a process instance. <u>Type</u> string <u>Allowed Values:</u> An array of valid work object IDs.

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	<u>Definition:</u> Specifies a user from whom to delegate tasks. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
ToUser	<u>Definition:</u> Specifies the user who will receive the delegated tasks. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
Status	<u>Definition:</u> The status of the associated item. <u>Type</u> string <u>Allowed Values:</u> A valid status.

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	<u>Definition:</u> A filter term for groups that is wildcard-enabled. <u>Type</u> string <u>Allowed Values:</u> A string in the format (name=[my wildcard filter]).
LDAPPath	<u>Definition:</u> The LDAP path to the domain. <u>Type</u> string <u>Allowed Values:</u> A valid LDAP path. If the value is null, the AgilePoint Server machine domain will be used.

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	<u>Definition:</u> The status of the work item. <u>Type</u> string <u>Allowed Values:</u> • New - The work item is in a pool, more than one participant shares the work item and needs to be assigned. • Assigned - The work item is assigned to a participant and needs to be performed. • Removed - The work item was originally in a pool (status is new), and didn't get assigned to the user.

Property	Description
	• Completed - The work item is completed. • Reassigned - The work item is re-assigned to the other user. • Canceled - The work item is canceled. • Overdue - The work item is overdue. • Carbon - The work item is a carbon copy that does not affect process instance running.
UserName	<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]. <u>Type</u> string <u>Allowed Values:</u> A valid user name for a registered AgilePoint user.

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	<u>Definition:</u> A free text description of an entity. <u>Type</u> <code>string</code> <u>Allowed Values:</u> A string that can contain spaces and special characters.
Enabled	<u>Definition:</u> Enables or disables an entity. <u>Type</u> <code>bool</code> <u>Allowed Values:</u> • True - Enables the entity. • False - Disables the entity.
GroupName	<u>Definition:</u> Specifies the name of a group. <u>Type</u> <code>string</code> <u>Allowed Values:</u> A valid group name.
ResponsibleUser	<u>Definition:</u> The user name for the responsible user of this group. The responsible user must be a registered AgilePoint user. <u>Type</u> <code>string</code> <u>Allowed Values:</u> A valid user name.

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	<u>Definition:</u> Gets the application name filter. <u>Type</u> string <u>Allowed Values:</u> A valid application name filter.
EventTypeFilter	<u>Definition:</u> Gets the event type filter. <u>Type</u> string <u>Allowed Values:</u> A valid event type filter.

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	<u>Definition:</u> Specifies the key of the instance. <u>Type</u> string <u>Allowed Values:</u> A valid key.
Value	<u>Definition:</u> The value for an item, such as the value for an attribute in a name-value pair. <u>Type</u> string <u>Allowed Values:</u> A valid string value.

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	<u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair. <u>Type</u> <code>string</code> <u>Allowed Values:</u> A valid name.
Value	<u>Definition:</u>

Property	Description
	The value for an item, such as the value for an attribute in a key-value pair. <u>Type</u> object <u>Allowed Values:</u> A valid object value.

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

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

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	<u>Definition:</u> Gets and sets department of the user. <u>Type</u> string <u>Allowed Values:</u> A valid department name.
EmailAddress	<u>Definition:</u> Gets and sets the user's e-mail address. <u>Type</u> string <u>Allowed Values:</u> A valid e-mail address.
FullName	<u>Definition:</u> Specifies the full name of the user. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
Manager	<u>Definition:</u> Specifies the manager of the user. <u>Type</u>

Property	Description
	string <u>Allowed Values:</u> A valid user name.
RegisteredDate	<u>Definition:</u> Gets and sets date registered. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.
Title	<u>Definition:</u> Specifies the job title of the user. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
UserName	<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]. <u>Type</u> string <u>Allowed Values:</u> A valid user name for a registered AgilePoint user.

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	<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.

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	<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.	
AssigneeType	<u>Definition:</u> The type for the assignee for the task. <u>Type</u> string <u>Allowed Values:</u> User - Assigns the task to a user.	

Property	Type	Description
	Group - Assigns the task to a group.	
ObjectID	<u>Definition:</u> Reserved for future use. <u>Type</u> string <u>Allowed Values:</u> A null value.	
RoleName	<u>Definition:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u> A valid role name.	

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	<u>Definition:</u> File attachments included with the email. <u>Type</u> string <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 null or String.Empty.
Body	<u>Definition:</u> Specifies the body portion of an email. <u>Type</u> string <u>Allowed Values:</u> Free text.
CC	<u>Definition:</u> Specifies the CC portion of an email. <u>Type</u> string <u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.
From	<u>Definition:</u> Specifies the From portion of an email. <u>Type</u>

Property	Description
	string <u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.
Subject	<u>Definition:</u> The subject of an email. <u>Type</u> string <u>Allowed Values:</u> A single line of text.
To	<u>Definition:</u> Specifies the To portion of an email. <u>Type</u> string <u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.

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	<u>Definition:</u> The unique ID for an email template. <u>Type</u> string <u>Allowed Values:</u> A valid mail template 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.
TemplateModifiedUserName	<u>Definition:</u> Specifies qualified username for the modified email template. <u>Type</u> string <u>Allowed Values:</u> A valid user name.

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
	<code>string</code> <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	<u>Definition:</u> Gets and sets the full name of the assembly. <u>Type</u> string <u>Allowed Values:</u> A valid assembly name.
ClassName	<u>Definition:</u> Gets and sets the class name, including the namespace. <u>Type</u> string <u>Allowed Values:</u> A valid class name.
Description	<u>Definition:</u> A free text description of the activity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
DisplayName	<u>Definition:</u> Gets and sets the display name of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid activity display name.
ExpectedDuration	<u>Definition:</u> Specifies an expected time duration of the activity.

Property	Description
	<u>Type</u> WFTimeDuration <u>Allowed Values:</u> A valid WFTimeDuration object.
ID	<u>Definition:</u> Specifies the activity ID. <u>Type</u> WFTimeDuration <u>Allowed Values:</u> A valid activity ID.
IncomingActivities	<u>Definition:</u> Gets the interfaces for all the incoming activities. <u>Type</u> WFTimeDuration <u>Allowed Values:</u> A valid WFTimeDuration object.
IncomingEmail	<u>Definition:</u> Specifies an email template that used for an email notification after the start of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
IncomingMailTemplate	<u>Definition:</u> Specifies an email template that used for an email notification after the start of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
Index	<u>Definition:</u>

Property	Description
	Specifies the ordering index of the activity. <u>Type</u> <code>int</code> <u>Allowed Values:</u> An integer.
Item	<u>Definition:</u> Specifies the value associated with the specified parameter name. <u>Type</u> <code>object</code> <u>Allowed Values:</u> A valid Types object.
Method	<u>Definition:</u> Specifies the name of the method for the AgilePart. <u>Type</u> <code>string</code> <u>Allowed Values:</u> A valid method name.
Name	<u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair. <u>Type</u> <code>string</code> <u>Allowed Values:</u> A valid name.
OutgoingActivities	<u>Definition:</u> Gets the interfaces for all the outgoing activities. <u>Type</u> <code>string</code> <u>Allowed Values:</u> A valid interface.

Property	Description
OutgoingEmail	<u>Definition:</u> Specifies an email template that used for email notification after the completion of an activity. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
OutgoingMailTemplate	<u>Definition:</u> Specifies an email template to use for email notification when leaving the activity. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
Procedure	<u>Definition:</u> Specifies the name of the procedure (method). <u>Type</u> string <u>Allowed Values:</u> A valid procedure name.
Process	<u>Definition:</u> Gets the interface class and sets the process definition. <u>Type</u> string <u>Allowed Values:</u> A valid process definition.
SaveErrorMessageTo	<u>Definition:</u> Specifies an attribute name for an error message of the AgilePart execution. <u>Type</u> string

Property	Description
	<u>Allowed Values:</u> A valid attribute name.
SaveStatusTo	<u>Definition:</u> Specifies an attribute name for the status of the AgilePart execution. <u>Type</u> string <u>Allowed Values:</u> A valid name of an attribute that is boolean type.
Synchronous	<u>Definition:</u> Specifies the flag to determine if this is a synchronous call. <u>Type</u> bool <u>Allowed Values:</u> • True - The call is synchronous. • False - The call is asynchronous.
TimeoutActivities	<u>Definition:</u> Gets the interfaces for all the timeout activities. <u>Type</u> string <u>Allowed Values:</u> A valid interface.
TimeoutMailTemplate	<u>Definition:</u> Specifies an email template that used for email notification when the activity is overdue. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
WaitAllIncoming	<u>Definition:</u>

Property	Description
	Gets and sets the flag to determine whether the activity must wait until all predecessor activities complete. Type <code>string</code> Allowed Values: • True - The activity waits until all predecessor activities complete. • False - The activity starts without waiting for predecessor activities complete.

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	<u>Definition:</u> Gets and sets the full name of the assembly. <u>Type</u> string <u>Allowed Values:</u> A valid assembly name.
AutoComplete	<u>Definition:</u> Gets and sets the flag that determines whether the work item is automatically marked as completed.

Property	Description
	<u>Type</u> bool <u>Allowed Values:</u> True - The work item is completed automatically. False - The work item is not completed automatically.
ClassName	<u>Definition:</u> Gets and sets the class name, including the namespace. <u>Type</u> string <u>Allowed Values:</u> A valid class name.
CustomProperties	<u>Definition:</u> Specifies the custom properties. This member supports the AgilePoint Framework infrastructure and does not intend to use directly from your code. <u>Type</u> string <u>Allowed Values:</u> A valid custom properties.
Description	<u>Definition:</u> A free text description of the activity. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
DisplayName	<u>Definition:</u> Gets and sets the display name of the activity. <u>Type</u> string

Property	Description
	<u>Allowed Values:</u> A valid activity display name.
ExpectedDuration	<u>Definition:</u> Specifies an expected time duration of the activity. <u>Type</u> WFTimeDuration <u>Allowed Values:</u> A valid WFTimeDuration object.
ID	<u>Definition:</u> Specifies the activity ID. <u>Type</u> WFTimeDuration <u>Allowed Values:</u> A valid activity ID.
IncomingActivities	<u>Definition:</u> Gets the interfaces for all the incoming activities. <u>Type</u> WFTimeDuration <u>Allowed Values:</u> A valid WFTimeDuration object.
IncomingEmail	<u>Definition:</u> Specifies an email template that used for an email notification after the start of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
IncomingMailTemplate	<u>Definition:</u> Specifies an email template that used for an email notification after the start of the activity. <u>Type</u>

Property	Description
	string <u>Allowed Values:</u> A valid email template.
Index	<u>Definition:</u> Specifies the ordering index of the activity. <u>Type</u> int <u>Allowed Values:</u> An integer.
Item	<u>Definition:</u> Specifies the value associated with the specified parameter name. <u>Type</u> object <u>Allowed Values:</u> A valid Types object.
MaxParticipant	<u>Definition:</u> Specifies the maximum participants for the activity. <u>Type</u> int <u>Allowed Values:</u> An integer.
Name	<u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair. <u>Type</u> string <u>Allowed Values:</u> A valid name.
Optional	<u>Definition:</u> Gets and sets the flag to indicate if the activity is optional.

Property	Description
	<u>Type</u> bool <u>Allowed Values:</u> True - The activity is optional. False - The activity is not optional.
OutgoingActivities	<u>Definition:</u> Gets the interfaces for all the outgoing activities. <u>Type</u> string <u>Allowed Values:</u> A valid interface.
OutgoingEmail	<u>Definition:</u> Specifies an email template that used for email notification after the completion of an activity. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
OutgoingMailTemplate	<u>Definition:</u> Specifies an email template to use for email notification when leaving the activity. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
Participant	<u>Definition:</u> Specifies the participant of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid user name.

Property	Description
Participants	<u>Definition:</u> Specifies the participants of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid multiple user names separated with a semicolon (;).
Process	<u>Definition:</u> Gets the interface class and sets the process definition. <u>Type</u> string <u>Allowed Values:</u> A valid process definition.
ReassigningEmail	<u>Definition:</u> Specifies the email template that used for an email notification when task is reassigned. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
ReassigningMailTemplate	<u>Definition:</u> Specifies the email template for task reassignment. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
RemindingEmail	<u>Definition:</u> Specifies an email template that used for reminding email notification. <u>Type</u> string

Property	Description
	<u>Allowed Values:</u> A valid email template.
RemindingMailAtBusinessTime	<u>Definition:</u> Gets and sets the flag that determines whether reminding an email must send in business time. <u>Type</u> bool <u>Allowed Values:</u> • True - Reminding emails are sent using business time. • False - Reminding email are sent using real time.
RemindingMailFrequency	<u>Definition:</u> Specifies the frequency of reminding an email notification. <u>Type</u> int <u>Allowed Values:</u> An integer.
RemindingMailStartTime	<u>Definition:</u> Specifies the start time in minutes of reminding an email notification before the task expires. <u>Type</u> int <u>Allowed Values:</u> An integer.
RemindingMailTemplate	<u>Definition:</u> Specifies the email template for task reminder emails. <u>Type</u> int <u>Allowed Values:</u> A valid email template.

Property	Description
ReuseParticipant	<u>Definition:</u> Gets and sets the flag that determines whether the participants must remain the same when the activity activated more than one time. <u>Type</u> bool <u>Allowed Values:</u> • True - The participants remains the same when the activity activated more than one time. • False - The participants do not remain the same when the activity activated more than one time.
TimeoutActivities	<u>Definition:</u> Gets the interfaces for all the timeout activities. <u>Type</u> string <u>Allowed Values:</u> A valid interface.
TimeoutEmail	<u>Definition:</u> Specifies the email template to use for email notification when task is overdue. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
TimeoutMailTemplate	<u>Definition:</u> Specifies an email template that used for email notification when the activity is overdue. <u>Type</u> string <u>Allowed Values:</u> A valid email template.
WaitAllIncoming	<u>Definition:</u>

Property	Description
	Gets and sets the flag to determine whether the activity must wait until all predecessor activities complete. <u>Type</u> string <u>Allowed Values:</u> • True - The activity waits until all predecessor activities complete. • False - The activity starts without waiting for predecessor activities complete.
WaitWorkPerformed	<u>Definition:</u> Specifies whether the activity must be marked as completed by the application before proceeding. <u>Type</u> bool <u>Allowed Values:</u> • True - The activity must complete before proceeding. • False - The activity can proceed without waiting.
WorkPerformer	<u>Definition:</u> Specifies the WorkPerformer/job of the manual activity. <u>Type</u> string <u>Allowed Values:</u> A valid WorkPerformer/job name.
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.

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	<u>Definition:</u> Gets and sets the type of a WFAny object. <u>Type</u> int <u>Allowed Values:</u> An integer.
Value	<u>Definition:</u> The value for an item, such as the value for an attribute in a key-value pair. <u>Type</u>

Property	Description
	object <u>Allowed Values:</u> A valid object value.

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	<u>Definition:</u> The unique ID for an activity instance. <u>Type</u> string

Property	Description
	<u>Allowed Values:</u> A valid activity instance ID.
AutoStart	<u>Definition:</u> Specifies if the process starts immediately after it is created. <u>Type</u> bool <u>Allowed Values:</u> • True - The process instance starts immediately after it is created. • False - The process instance does not start immediately after it is created.
clientData	<u>Definition:</u> Specifies the client data, which identifies a client for AgilePoint Server. <u>Type</u> string <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.
CustomAttributes	<u>Definition:</u> Specifies custom attributes in XML format. <u>Type</u> NameValue <u>Allowed Values:</u> A valid NameValue pair.
Designated	<u>Definition:</u> Gets and sets the flag that determines if the event should be handled by a designated engine. <u>Type</u> bool <u>Allowed Values:</u>

Property	Description
	• True - The event is handled by a designated engine. • False - The event is not handled by a designated engine.
Diagnostic	<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. <u>Type</u> bool <u>Allowed Values:</u> • True - The process data is deleted from the database. • False - The process data is not deleted from the database.
EndDate	<u>Definition:</u> Specifies the completion date of delegation. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.
Entries	<u>Definition:</u> Gets the relay time of the event. <u>Type</u> int <u>Allowed Values:</u> A valid relay time.
Error	<u>Definition:</u> Gets and sets the error message of the event. <u>Type</u> string <u>Allowed Values:</u> A valid error message.

Property	Description
EventID	<u>Definition:</u> Specifies a unique ID for an event. <u>Type</u> string <u>Allowed Values:</u> A unique, 32-character ID.
EventName	<u>Definition:</u> Specifies the name of the event. <u>Type</u> string <u>Allowed Values:</u> A valid event name.
ParamsXml	<u>Definition:</u> Gets and sets the parameters as XML. <u>Type</u> string <u>Allowed Values:</u> A parameter.
ParentProcInstID	<u>Definition:</u> Specifies parent process instance ID. <u>Type</u> string <u>Allowed Values:</u> A valid process instance ID.
ProcDefID	<u>Definition:</u> Specifies process template (process definition) ID. <u>Type</u> string <u>Allowed Values:</u> A valid process definition ID.

Property	Description
ProcInstID	<u>Definition:</u> Specifies the unique ID of a process instance. <u>Type</u> string <u>Allowed Values:</u> A valid process instance ID
ProcInstName	<u>Definition:</u> A unique process name that is associated with the process definition. <u>Type</u> string <u>Allowed Values:</u> A unique process instance name up to 1024 characters.
Sender	<u>Definition:</u> Specifies a sender of the event. <u>Type</u> string <u>Allowed Values:</u> A valid user name.
SentDate	<u>Definition:</u> Specifies a sent date of the event. <u>Type</u> DateTime <u>Allowed Values:</u> A valid DateTime value.
SourceWorkItemID	<u>Definition:</u> An ID that represents the original, or source, work item. <u>Type</u> string <u>Allowed Values:</u>

Property	Description
	A valid, unique 32-character ID.
Status	<u>Definition:</u> The status of the event. <u>Type</u> string <u>Allowed Values:</u> A valid status.
ThrowAwayInstance	<u>Definition:</u> Specifies the flag that determines if AgilePoint server should clear the process from cache. <u>Type</u> bool <u>Allowed Values:</u> • True - AgilePoint Server clears the process from the cache. • False - AgilePoint Server does not clear the process from cache.
UserID	<u>Definition:</u> Specifies the user ID. <u>Type</u> string <u>Allowed Values:</u> A valid user ID.
WorkItemID	<u>Definition:</u> An ID that represents a work item (task). <u>Type</u> string <u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.
workObjectID	<u>Definition:</u> An ID for an object, such as a document, that is associated with the process instance.

Property	Description
	<u>Type</u> string <u>Allowed Values:</u> A valid, unique 256-character ID. Even though the field size is 256 characters, in common practice, this will usually return a 32-character GUID.

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	<u>Definition:</u> Specifies the type of application event. <u>Type</u>

Property	Description
	IWFWorkflowService <u>Allowed Values:</u> A valid application event.
AppName	<u>Definition:</u> Specifies the name of the application. <u>Type</u> string <u>Allowed Values:</u> A valid, case-sensitive application name.
Category	<u>Definition:</u> Gets and sets a category name. <u>Type</u> string <u>Allowed Values:</u> A valid category name.
CustomConfiguration	<u>Definition:</u> Gets and sets custom configuration settings. <u>Type</u> System.Xml.NodeList <u>Allowed Values:</u> A valid set of custom configuration settings.
Description	<u>Definition:</u> A free text description of the application. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
Impersonator	<u>Definition:</u> Specifies a user name of an impersonator user account.

Property	Description
	<u>Type</u> string <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> PartialRollbackUnit

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	<u>Definition:</u> An array that includes the process instance IDs of the process instances you are merging. <u>Type</u> string <u>Allowed Values:</u> An array of valid process instance IDs.
MergedProcessInstance	<u>Definition:</u> An instance of the MergedProcess Parameter class that includes the merged process instance.

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> True - The migration includes an XML data. False - The migration does not include an XML data.	

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	<u>Definition:</u> Specifies a unique type ID of an Agile Extender. <u>Type</u> string <u>Allowed Values:</u> A valid type ID for your AgileExtender.
Name	<u>Definition:</u> Specifies the name of an AgileExtender. <u>Type</u>

Property	Description
	string <u>Allowed Values:</u> A valid AgileExtender name.
DisplayName	<u>Definition:</u> Gets and sets the display name of an AgileExtender. <u>Type</u> string <u>Allowed Values:</u> A valid AgileExtender display name.
Description	<u>Definition:</u> A free text description of an AgileExtender. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
AssemblyFullName	<u>Definition:</u> Gets the full name of an AgileExtender assembly. <u>Type</u> string <u>Allowed Values:</u> A valid AgileExtender assembly name.
ClassName	<u>Definition:</u> Gets the type of the AgileExtender. <u>Type</u> string <u>Allowed Values:</u> A valid AgileExtender type.
ProcessInstance	<u>Definition:</u> Gets a runtime process instance object.

Property	Description
	<u>Type</u> WFProcessInstance <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 : WFProcessPluggableAdaptterDescriptor
```

Constructors

```
public WFProcessPluggableAdaptterDescriptor()
public WFProcessPluggableAdaptterDescriptor(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
	string <u>Allowed Values:</u> A valid type ID for your AgileExtender.
Name	<u>Definition:</u> Specifies the name of an AgileExtender. <u>Type</u> string <u>Allowed Values:</u> A valid AgileExtender name.
DisplayName	<u>Definition:</u> Gets and sets the display name of an AgileExtender. <u>Type</u> string <u>Allowed Values:</u> A valid AgileExtender display name.
Description	<u>Definition:</u> A free text description of an AgileExtender. <u>Type</u> string <u>Allowed Values:</u> A string that can contain spaces and special characters.
AssemblyFullName	<u>Definition:</u> Gets the full name of an AgileExtender assembly. <u>Type</u> string <u>Allowed Values:</u> A valid AgileExtender assembly name.
ClassName	<u>Definition:</u> Gets the type of the AgileExtender.

Property	Description
	<u>Type</u> <code>string</code> <u>Allowed Values:</u> A valid AgileExtender type.
Process	<u>Definition:</u> Gets the interface class and sets the process definition. <u>Type</u> <code>IWFProcessDefinition</code> <u>Allowed Values:</u> A IWFProcessDefinition class.
DesignTime	<u>Definition:</u> Specifies whether the object is used at design time. <u>Type</u> <code>bool</code> <u>Allowed Values:</u> • True - The object is used at design time. • False - The object is not used at design time.

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	<u>Definition:</u> Gets and sets the WFAAny object to be compared. <u>Type</u> WFAAny <u>Allowed Values:</u> A valid WFAAny object.
ColumnName	<u>Definition:</u> Gets and sets the associated database column name. <u>Type</u> string <u>Allowed Values:</u> A valid database column name.
IsValue	<u>Definition:</u> Gets and sets the flag that indicates if it compares a value or column of the table. <u>Type</u> bool <u>Allowed Values:</u> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.

Property	Description
Name	<u>Definition:</u> The name of an item, such as a property or attribute in a name/value pair. <u>Type</u> string <u>Allowed Values:</u> A valid name.
Operator	<u>Definition:</u> Specifies the operator used for comparison. <u>Type</u> int <u>Allowed Values:</u> A valid operator.

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	<u>Definition:</u> Gets and sets the associated database column name. <u>Type</u> string <u>Allowed Values:</u> A valid database column name.	
IsValue	<u>Definition:</u> Gets and sets the flag that indicates if it compares a value or column of the table. <u>Type</u> bool <u>Allowed Values:</u> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.	
Operator	<u>Definition:</u> Specifies the operator used for comparison. <u>Type</u> string <u>Allowed Values:</u> A valid operator.	
WhereClause	<u>Definition:</u> Sets the conditions against a query. <u>Type</u> string	

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> SplitProcessParameter <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	<u>Definition:</u> Determines whether the system calculates the duration using your business time calendar. <u>Type</u> bool <u>Allowed Values:</u> • True - The system calculates duration using business time.

Property	Description
	• False - The calculates the duration based on real time.
Length	<u>Definition:</u> Specifies the length of time duration. <u>Type</u> string <u>Allowed Values:</u> A valid time duration length.
Unit	<u>Definition:</u> Specifies the time unit. <u>Type</u> WFTimeUnit <u>Allowed Values:</u> • hour • day • week • month • year

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	<u>Definition:</u> The value for an item expressed as an integer, such as a time unit. <u>Type</u> int <u>Allowed Values:</u> An integer.

Data Types

A list of all data types used in the AgilePoint Web Service API. Common types refer to the documentation on msdn.com

Name	Description
bool	See the documentation on MSDN .
byte	See the documentation on MSDN .
DateTime	See the documentation on MSDN .
enum	See the documentation on MSDN .
Guid	Instantiates the Guid class.
int	See the documentation on MSDN .
IWFProcessDefinition	Instantiates the IWFProcessDefinition class.
IWFWorkflowService	Instantiates the IWFWorkflowService class.
KeyValue	Instantiates the KeyValue class.
MergedProcessParameter	Instantiates the MergedProcessParameter class.
MigrationAction	Instantiates the MigrationAction class.
NameValue	Instantiates the NameValue class.
object	See the documentation on MSDN .
PartialRollbackUnit	Instantiates the PartialRollbackUnit class.
RegisteredUser	Instantiates the RegisteredUser class.
SplitProcessParameter	Instantiates the SplitProcessParameter class.
String	See the documentation on MSDN .
WFAccessRights	Instantiates the WFAccessRights class.
WFAny	Instantiates the WFAny class.
WFEvent	Instantiates the WFEvent class.
WFProcessInstance	Instantiates the WFProcessInstance class.
WFQueryExpr	Instantiates the WFQueryExpr class.
WFTimeDuration	Instantiates the WFTimeDuration class.
WFTimeUnit	See the documentation on MSDN .