



## **Database Schema Reference**

**AgilePoint BPMS v5.0 R2**

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# Preface

## Disclaimer of Warranty

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

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## Virus-free software policy

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

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

## Document Revision Numbers

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

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

## AgilePoint Documentation in PDF and HTML

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

### Advantages of HTML Documentation

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

### Advantages of PDF Documentation

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

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

## Opening the Documentation Library

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To open the AgilePoint Documentation Library, do the following.

### Prerequisites

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

### Instructions

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

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

## Finding Information in the Documentation Library

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

### Using the Table of Contents

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

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

### Searching

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

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

The search results display in alphabetical order by topic title.

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

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

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

### Printing

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

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

## Downloading Files and Sharing Links from the Documentation Library

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

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

## Share a Link to an HTML Topic

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

## Share a Link to a PDF Document

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

## Save a Copy of a PDF Document

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

## Contacting AgilePoint Sales

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

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## Contacting Customer Support

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

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

# AgilePoint Database Schema

This document provides information about the AgilePoint Database Schema.



**Note:** Do not directly modify the AgilePoint database. This includes insert, update, delete, or modifying the database schema. Doing so will void your AgilePoint Support agreement.

# Tables

The following is the list of all the tables currently in the AgilePoint Database schema:

Table Name	Description
WF_ACTIVITY_INSTS	Contains information about the activity instances.
WF_ASSIGNED_OBJECTS	Contains information about assignment object for a user role.
WF_AUDIT_TRAILS	Contains audit trail information about a process template.
WF_AUTO_WORKITEMS	Contains information about the automatic work items.
WF_CUSTOM_ATTRS	Contains all the custom attributes. Custom attributes are associated with process instances through custom ID's. Custom ID's is the process instance ID or Work Object ID associated with process instance.
WF_CUSTOM_ATTRS_ITCS	Contains information about interceptors for a custom attribute.
WF_DELEGATIONS	Contains information about the delegation rules.
WF_DOMAIN_VALUES	Contains additional information related to the domain. For example, organizational information including department, title, etc.
WF_EVENTS	This table keeps tracks of individual events and statuses.
WF_GROUP_MEMBERS	Contains information about members association to user groups.
WF_GROUPS	Contains information about the user group definition.
WF_INTEGRATED_APPS	Contains the configuration for AgileConnectors, most importantly for NLB deployments.
WF_LARGE_BINARIES	This table is used to store large binary data.
WF_LARGE_TEXTS	Contains long text for various places and purposes. For example, email template definitions, error messages, etc.
WF_MAIL_DELIVERABLES	Contains information about the email notification.
WF_MANUAL_WORKITEMS	Contains information about the manual work items.
WF_PROC_DEFS	Contains the process definition (process templates).
WF_PROC_DEF_SUPPLEMENTS	Contains supplemental information about process definitions.
WF_PROC_INSTS	One of the main tables which contains information about the process instances.



Table Name	Description
WF_PROC_TRACKINGS	This table keeps track of the history of how a process moves from one step to another.
WF_REG_USERS	Contains information about the registered users in AgilePoint Server.
WF_REPORT_CFGS	Contains information about the report configuration.
WF_REPOSITORY_ITEMS	Contains information about repository items.
WF_ROLES	Contains information about user roles.
WF_SCHEDULED_ITEMS	Contains information about interceptors for a custom attribute.
WF_SERIALIZED_ENTITIES	This table is used to store business entities in a serial format (i.e. XML) for processing.
WF_SPOPERATIONS	This table provides the queuing service for the SharePoint AgileConnector.

## WF\_ACTIVITY\_INSTS

### Description

Contains information about the activity instances.

### Columns

For the descriptions in this table, the term **item** refers to an **activity instance**.

Column Name	Data Type	Size	Description
ID	varchar	32	(Primary key) The unique item ID.
PROC_INST_ID	varchar	32	(Foreign key to WF_PROC_INSTS table) The process instance ID.
NAME	nvarchar	64	A unique name of the item, used for internal reference.
DISPLAY_NAME	nvarchar	64	The display name of the item.
TOKEN_POS	int	4	The status of the item in terms of position: 0=inactive, 1=Incoming port, 2=exit , 3=execution
TOKENS	int	4	The number of incoming ports that have arrived.

Column Name	Data Type	Size	Description
STARTED_DATE	datetime	8	The date the item started.
DUE_DATE	datetime	8	The date the item is due.
COMPLETED_DATE	datetime	8	The date the item was completed.
PENDING	varchar	3	Indicates whether the item is pending.
IN_STACK	varchar	3	The execution status of the item: Yes = Item has been executed; No = Item has not been executed or will possibly be re-executed.
SESSION_	int	4	Indicates the number of times the item has been completed or attempted.

## Relationships

Table Name	Relationship
WF_PROC_DEFS	n – 1
WF_MANUAL_WORKITEMS	1 – n
WF_AUTO_WORKITEMS	1 – n
WF_PROC_TRACKINGS	1 – n
WF_MAIL_DELIVERABLES	1 – n

## WF\_ASSIGNED\_OBJECTS

### Description

Contains information about assignment object for a user role.

### Columns

For the descriptions in this table, the term **item** refers to an **assignment**.

Column Name	Data Type	Size	Description
ROLE_NAME	nvarchar	64	(Foreign key to WF_ROLES table) The uppercase name of the role.

Column Name	Data Type	Size	Description
ASSIGNEE	nvarchar	128	The person who is assigned to the role.
ASSIGNEE_TYPE	varchar	32	The type of the assignment such as: User.
CREATED_DATE	datetime	8	The date the item was created.
CREATED_BY	nvarchar	64	The user who created the item.
OBJECT_ID	varchar	32	The unique ID of the object.
OBJECT_TYPE	varchar	128	The type of object.
CLIENT_DATA	nvarchar	1024	The client data for the item.

## Relationships

Table Name	Relationship
WF_ROLES	n – 1

## WF\_AUDIT\_TRAILS

### Description

Contains audit trail information about a process template.

### Columns

Column Name	Data Type	Size	Description
OBJECT_ID	nvarchar	256	The unique ID of the object.
CATEGORY	int	4	The category of the item being audited (e.g. process template, process instance, etc). This column can be used to extend AgilePoint to store custom audit information.

Column Name	Data Type	Size	Description
PURPOSE	nvarchar	64	The type of action performed on the process model.
OBJECT_INFO	nvarchar	1024	The name and version of the process model.
DATE_OCCURRED	datetime	8	The date the operation occurred on the process model.
PERFORMER	nvarchar	64	The domain and username of the user who performed the operation.
DESCRIPTION	nvarchar	2048	A custom description of the item being audited (e.g. process template, process instance, etc). This column can be used to extend AgilePoint to store custom audit information.
STATUS	nvarchar	16	The outcome of the operation.

## Relationships

Table Name	Relationship
WF_PROC_DEFS	1 – n

## WF\_AUTO\_WORKITEMS

### Description

Contains information about the automatic work items.

### Columns

For the descriptions in this table, the term **item** refers to an **automatic work item**.

Column Name	Data Type	Size	Description
WORK_ITEM_ID	varchar	32	(Primary key) The unique item ID.
PROC_INST_ID	varchar	32	(Foreign key to WF_PROC_INSTS table) The process instance ID.

Column Name	Data Type	Size	Description
ACTIVITY_INST_ID	varchar	32	(Foreign key to WF_ACTIVITY_INSTS table) Represents the ID of the activity instance this item is associated with.
STATUS	nvarchar	16	Represents the status of this automatic work item. Running: The work item is running. Canceled: The work item is canceled. Waiting: The asynchronous work item is waiting for the external procedure to complete. Completed: The work item is completed. Overdue: The work item is overdue.
SYNCHRONOUS	varchar	3	Indicates whether this automatic work item is synchronous or asynchronous. For Asynchronous, a call back from the external system or module is required.
DUE_DATE	datetime	8	The date the item is due.
PENDING	varchar	3	Indicates whether the item is pending.
PROCEDURE_INFO	nvarchar	256	The name of the procedure this automatic work item is associated with, it is the Work To Perform property of the activity. It could be a procedure name or an AgilePart definition.
APPL_NAME	nvarchar	256	The name of the application associated with the item.
DUE_HANDLED	varchar	3	Indicates whether this is an item with TimeOut.
SESSION_	int	4	Indicates the number of times the item has been completed or attempted.
CREATED_DATE	datetime	8	The date the item was created.
COMPLETED_DATE	datetime	8	The date the item was completed.

## Relationships

Table Name	Relationship
WF_PROC_INSTS	n – 1
WF_PROC_TRACKINGS	n – 1
WF_ACTIVITY_INSTS	n – n

## WF\_CUSTOM\_ATTRS

---

### Description

Contains all the custom attributes. Custom attributes are associated with process instances through custom ID's. Custom ID's is the process instance ID or Work Object ID associated with process instance.

### Columns

For the descriptions in this table, the term **item** refers to a **custom attribute**.

Column Name	Data Type	Size	Description
CUSTOM_ID	varchar	256	(Primary key) The ID of the XML text that contains the custom attributes. Typically, this refers to Process instance ID or Work Object ID of a process instance.
ATTR_XML	ntext	16	The XML text that contains the custom attributes.
LAST_MODIFIED_DATE	datetime	8	The date the item was last modified.

### Relationships

Table Name	Relationship
None	Not Applicable

## WF\_CUSTOM\_ATTRS\_ITCS

---

### Description

Contains information about interceptors for a custom attribute.

### Columns

For the descriptions in this table, the term **item** refers to an **interceptor for a custom attribute**.

Column Name	Data Type	Size	Description
ITEM_ID	varchar	32	An unique ID that identifies the item.
OWNER_ID	varchar	32	(Foreign key to WF_ACTIVITY_INSTS table) Represents the ID of the activity instance this item is associated with.
REF_ID	varchar	64	(Foreign key to WF_PROC_INSTS table) The process instance ID.
EVENT_NAME	nvarchar	64	The name of the event that triggers the item.
PARAMETER	nvarchar	1024	A parameter associated with the item.
STARTED_DATE	datetime		The date the item started.
CREATED_DATE	datetime		The date the item was created.
STATUS	varchar	16	The status of the item.

## Relationships

Table Name	Relationship
WF_ACTIVITY_INSTS	1 – n
WF_PROC_INSTS	1 – n

## WF\_DELEGATIONS

### Description

Contains information about the delegation rules.

### Columns

For the descriptions in this table, the term **item** refers to a **delegation**.

Column Name	Data Type	Size	Description
DELEGATION_ID	varchar	32	(Primary key) The unique item ID.
FROM_USER	nvarchar	64	The task participant who originated the item.

Column Name	Data Type	Size	Description
TO_USER	nvarchar	64	The task participant who is receiving the item.
STATUS	nvarchar	16	The status of the item.
START_DATE	datetime		The date the item started.
END_DATE	datetime		The date the item ends.
CREATED_DATE	datetime		The date the item was created.
CREATED_BY	nvarchar	64	The user who created the item.
DESCRIPTION	nvarchar	512	A free text description of the item.
REC_WEEKDAYS_STRING	nvarchar	16	The weekday code of the delegation, Monday=1, Tuesday=2,... Saturday=6, Sunday=0. If Tuesday and Friday, string will be '25'
LAST_UPDATED_DATE	datetime		The date the item was last updated.
LAST_UPDATED_BY	nvarchar	16	The user who last updated, or modified, the item.
CANCELLED_DATE	datetime		The date the item was canceled.
CANCELLED_BY	nvarchar	64	The user who canceled the item.
PROC_DEF_IDS	varchar	4000	A list of process definition IDs associated with the item.

## Relationships

Table Name	Relationship
WF_REG_USERS	1 – n



## WF\_DOMAIN\_VALUES

---

### Description

Contains additional information related to the domain. For example, organizational information including department, title, etc.

### Columns

Column Name	Data Type	Size	Description
CATEGORY	nvarchar	64	The additional category about the domain such as: Organization.
NAME	nvarchar	64	The name of the additional information such as: Titles, Departments, Location, etc.
VALUE	nvarchar	128	The value of the key-value pair.
KEY_	nvarchar	64	The key of the key-value pair.

### Relationships

Table Name	Relationship
None	Not Applicable

## WF\_EVENTS

---

### Description

This table keeps tracks of individual events and statuses.

### Columns

For the descriptions in this table, the term **item** refers to an **event**.

Column Name	Data Type	Size	Description
EVENT_ID	varchar	32	(Primary key) The unique item ID.
EVENT_NAME	varchar	32	<p>The name of the event.</p> <p>CreateProcessInstance: Create process instance.</p> <p>StartProcessInstance: Start process instance ( status of process instance from 'Initiated' to 'Running'.</p> <p>PromoteProcessInstance: Move process instance forward.</p> <p>CancelProcessInstance: Cancel process instance.</p> <p>TerminateProcessInstance: Clean up process instance from memory.</p> <p>SuspendProcessInstance: Suspend process instance.</p> <p>ResumeProcessInstance: Resume suspended process instance.</p> <p>RollbackProcessInstance: Rollback or forward process instance.</p> <p>RollbackActivityInstance: Reset activity instance.</p> <p>CompleteWorkItem: Mark work item completed.</p> <p>AssignWorkItem: Take assignment of a work item in a pool (from 'New' to 'Assigned').</p> <p>UndoAssignWorkItem: Put work item back into the pool.</p> <p>CancelWorkItem: Cancel work item.</p> <p>ReassignWorkItem: Reassign work item to other participant.</p> <p>CreateWorkItem: Create work item.</p>

Column Name	Data Type	Size	Description
			CompleteProcedure: Mark an automatic work item completed.  CancelProcedure: Cancel an automatic work item.
STATUS	nvarchar	16	<p>The status of the event.</p> <ul style="list-style-type: none"> <li>• <b>Sent</b> - Indicates event has been sent to engine for processing.</li> <li>• <b>Failed</b> - Indicates event failed to process.</li> <li>• <b>Processed</b> - Indicates event has been processed successfully.</li> <li>• <b>Canceled</b> - Indicates event was canceled.</li> <li>• <b>Deferred</b> - Indicates event does not need to be sent immediately.</li> </ul>
PROC_INST_ID	varchar	32	(Foreign key to WF_PROC_INSTS table) The process instance ID.
SENDER	nvarchar	64	Represents the person who sent the item.
SENT_DATE	datetime	8	The date the event was sent.
END_DATE	datetime	8	The date the item ends.
PARAMS_XML	ntext		The XML string that contains parameters about the event such as: WORKITEMID, ActivityInstID, UserID, etc.

## Relationships

Table Name	Relationship
WF_PROC_INSTS	n – 1

## WF\_GROUP\_MEMBERS

---

### Description

Contains information about members association to user groups.

### Columns

For the descriptions in this table, the term **item** refers to a **group member**.

Column Name	Data Type	Size	Description
NAME	nvarchar	128	(Foreign key to WF_GROUPS table) The uppercase name of the group.
DESCRIPTION	nvarchar	2048	A free text description of the item.
CREATED_DATE	datetime	8	The date the item was created.
CREATED_BY	nvarchar	64	The user who created the item.
ENABLED	varchar	3	Indicates whether the item is enabled.
MEMBER	nvarchar	64	The user member assigned to the group.
CLIENT_DATA	nvarchar	1024	The client data for the item.

### Relationships

Table Name	Relationship
WF_GROUPS	n – 1

## WF\_GROUPS

---

### Description

Contains information about the user group definition.

## Columns

For the descriptions in this table, the term **item** refers to a **group**.

Column Name	Data Type	Size	Description
NAME	nvarchar	128	The name of the item as it was entered (it can include both upper and lower case characters).
NAME_UPCASE	nvarchar	128	(Primary key) Represents the uppercase name of the item.
DESCRIPTION	nvarchar	2048	A free text description of the item.
CREATED_DATE	datetime	8	The date the item was created.
CREATED_BY	nvarchar	64	The user who created the item.
LAST_MODIFIED_DATE	datetime	8	The date the item was last modified.
LAST_MODIFIED_BY	nvarchar	64	The user who last updated, or modified, the item.
RESPONSIBLE_USER	nvarchar	64	Represents the user who is the group lead or the responsible user of the group. For example, a responsible user cannot be removed until the group is removed or a new responsible user is assigned.
ENABLED	varchar	3	Indicates whether the item is enabled.

## Relationships

Table Name	Relationship
WF_GROUP_MEMBERS	1 – n
WF_REG_USERS	1 – 1

## WF\_INTEGRATED\_APPS

---

### Description

Contains the configuration for AgileConnectors, most importantly for NLB deployments.

### Columns

For the descriptions in this table, the term **item** refers to an **AgileConnector**.

Column Name	Data Type	Size	Description
APP_NAME	nvarchar	256	(Primary key) Represents the name of the application.
DESCRIPTION	nvarchar	2048	A free text description of the item.
CATEGORY	nvarchar	64	Reserved for future use.
TYPE_INFO	varchar	1024	The meta data information about the AgileConnector assembly and class name.
CREDENTIAL	nvarchar	256	The authentication credentials for the AgileConnector.
CREATED_DATE	datetime	8	The date the item was created.
CREATED_BY	nvarchar	64	The user who performed the configuration (i.e. AgilePoint System User)
LAST_UPDATED_DATE	datetime	8	The date the item was last updated.
LAST_UPDATED_BY	nvarchar	64	The user who last updated, or modified, the item.
CFG_XML	ntext		The AgileConnector configuration data stored as XML.

## Relationships

Table Name	Relationship
None	Not Applicable

## WF\_LARGE\_BINARIES

### Description

This table is used to store large binary data.

### Columns

For the descriptions in this table, the term **item** refers to a **large binary data item**.

Column Name	Data Type	Size	Description
BINARY_ID	varchar	32	(Primary key) The unique item ID.
BINARY_DATA	image	16	The large binary that contains additional binary information such as: image attachment.

## Relationships

Table Name	Relationship
None	Not Applicable

## WF\_LARGE\_TEXTS

### Description

Contains long text for various places and purposes. For example, email template definitions, error messages, etc.

### Columns

For the descriptions in this table, the term **item** refers to a **large block of text**.

Column Name	Data Type	Size	Description
TEXT_ID	varchar	32	(Primary key) The unique item ID.
TEXT_DATA	ntext		The large text that contains additional information such as: error messages and mail template definition.

## Relationships

Table Name	Relationship
None	Not Applicable

## WF\_MAIL\_DELIVERABLES

### Description

Contains information about the email notification.

### Columns

For the descriptions in this table, the term **item** refers to a **mail deliverable**.

Column Name	Data Type	Size	Description
ID	nvarchar	32	(Primary key) The unique item ID.
STATUS	nvarchar	32	<p>The status of the mail deliverables.</p> <p>Sent: Indicates email has been sent to the SMTP server.</p> <p>Failed: Indicates email failed to be sent to the SMTP server.</p> <p>Created: Indicates email is created to preprocess.</p> <p>Canceled: Indicates email is canceled.</p> <p>Deferred: Indicates email does not need to be sent immediately.</p>



Column Name	Data Type	Size	Description
PROC_INST_ID	varchar	32	(Foreign key to WF_PROC_INSTS table) The process instance ID.
ACTIVITY_INST_ID	varchar	32	(Foreign key to WF_ACTIVITY_INSTS table) Represents the ID of the activity instance this item is associated with.
REASON	nvarchar	2048	The reason the mail deliverable failed and was canceled.
DELIVERY_TIME	int	4	The number of times the server tried to deliver the mail deliverable.
NEXT_SENDING_DATE	datetime	8	The date the server will try to re-deliver the mail deliverable.
CREATED_DATE	datetime	8	The date the item was created.
SESSION_	int	4	Indicates the number of times the item has been completed or attempted.

## Relationships

Table Name	Relationship
WF_PROC_INSTS	n – 1
WF_ACTIVITY_INSTS	n – 1

## WF\_MANUAL\_WORKITEMS

### Description

Contains information about the manual work items.

### Columns

For the descriptions in this table, the term **item** refers to a **manual work item**.

Column Name	Data Type	Size	Description
WORK_ITEM_ID	varchar	32	(Primary key) The unique item ID.
NAME	nvarchar	64	The name of the manual work item. It is the Work To Perform property of the manual activity specified in the process template.
LAST_MODIFIED_BY	nvarchar	64	The user who last updated, or modified, the item.
ASSIGNED_DATE	datetime	8	The date the work item was assigned to its participant.
LAST_MODIFIED_DATE	datetime	8	The date the item was last modified.
CANCELLED_DATE	datetime	8	The date the item was canceled.
COMPLETED_DATE	datetime	8	The date the item was completed.
DUE_DATE	datetime	8	The date the item is due.
CREATED_DATE	datetime	8	The date the item was created.
SOURCE_WORK_ITEM_ID	varchar	32	The ID of the work item this one was reassigned from.
DUE_HANDLED	varchar	3	Indicates whether this is an item with TimeOut.
WAIT_WORKPERFORMED	varchar	3	A boolean value used to represent if it needs to wait for the work item to be performed.
PROC_DEF_ID	varchar	32	The ID of the process definition this item is associated with.
PROC_INST_ID	varchar	32	(Foreign key to WF_PROC_INSTS table) The process instance ID.
ACTIVITY_INST_ID	varchar	32	(Foreign key to WF_ACTIVITY_INSTS table) Represents the ID of the activity instance this item is associated with.

Column Name	Data Type	Size	Description
STATUS	nvarchar	16	<p>The status of the work item.</p> <p>Statuses are:</p> <ul style="list-style-type: none"> <li>• <b>New</b> - The work item is in a pool, more than one participant shares the work item and needs to be assigned.</li> <li>• <b>Assigned</b> - The work item is assigned to a participant and needs to be performed.</li> <li>• <b>Removed</b> - The work item was originally in a pool (status is new), and didn't get assigned to the user.</li> <li>• <b>Completed</b> - The work item is completed.</li> <li>• <b>Reassigned</b> - The work item is re-assigned to the other user.</li> <li>• <b>Canceled</b> - The work item is canceled.</li> <li>• <b>Overdue</b> - The work item is overdue.</li> <li>• <b>Carbon</b> - The work item is a carbon copy that does not affect process instance running.</li> </ul>
USER_ID	nvarchar	64	The participant of the work item.
WORK_OBJECT_ID	nvarchar	256	The Work Object ID associated with the item.
PENDING	varchar	3	Indicates whether the item is pending.
APPL_NAME	nvarchar	256	The name of the application associated with the item.

Column Name	Data Type	Size	Description
BEING_PROCESSED	varchar	3	Indicates whether the work item is being processed.
SESSION_	int	4	Indicates the number of times the item has been completed or attempted.
POOL_ID	varchar	32	The ID of the pool of manual work items that belong to the same activity instance. It is NULL if only one work item exists for the activity instance.
ORIGINAL_USER_ID	nvarchar	64	The original participant of the work item, the one for which it was reassigned from.
CLIENT_DATA	ntext	16	The client data for the item.
POOL_INFO	nvarchar	64	Used for Dynamic groups AgileWork to store the group name.
RESTRICTION_TYPE	char	2	The type of restriction on a work item (e.g. empty = activity, P = Process, C = Child Work Item, M = Main Process).
PRIORITY	nvarchar	16	The priority of the work item.
ACTIVATED_DATE	datetime	8	The date the Manual Activity get activated
PHASE	nvarchar	32	Reserved for future use.
ROLE	nvarchar	32	Reserved for future use.

## Relationships

Table Name	Relationship
WF_PROC_INSTS	n – 1
WF_PROC_DEFS	n – 1
WF_ACTIVITY_INSTS	n – 1

## WF\_PROC\_DEFS

### Description

Contains the process definition (process templates).

### Columns

For the descriptions in this table, the term **item** refers to a **process definition**.

Column Name	Data Type	Size	Description
BASE_DEF_ID	varchar	32	The ID of the first version of the process definition (template). For the initial version, the DEF_ID and BASE_DEF_ID are the same.
DEF_ID	varchar	32	(Primary key) The unique item ID.
DEF_NAME	nvarchar	256	The name of the process definition.
STATUS	nvarchar	16	<p>The status of the process definition.</p> <p>Created: When the process template is added into the database.</p> <p>Released: When the process template was released.</p> <p>Retired: When the new version of the process template was released, the previous version becomes 'Retired', but the running process instances may continue to exist with it.</p> <p>Disabled: When the process template was disabled.</p> <p>Checkedout: When process template was checked out for changes.</p> <p>NOTE: Only Released and Checked out process</p>

Column Name	Data Type	Size	Description
			templates can be initiated process instances.
PRE_VERSION	nvarchar	16	The previous version of the process definition (template).
VERSION	nvarchar	16	The version of the process definition (template).
DESCRIPTION	nvarchar	2048	The description you entered in the process template.
OWNER	nvarchar	256	The owner of the process definition as defined in the process template.
DOC_REF	nvarchar	256	The document reference as defined in the process template.
CREATED_DATE	datetime	8	The date the item was created.
CREATED_BY	nvarchar	64	The user who created the item.
CHECKED_OUT_DATE	datetime	8	The date the process definition was checked-out.
CHECKED_OUT_BY	nvarchar	64	The person who checked out the process definition.
CLASS_NAME	nvarchar	64	The name of the custom class associated with the process definition.
EXPECTED_TIME	nvarchar	256	The expected process duration defined in the process template.
DIAGNOSTIC	varchar	3	A boolean value used to represent if the process definition is currently in diagnostic mode. Yes=Process template is under testing, process template and all instances will be removed when the server re-starts.
ASSEMBLY_NAME	nvarchar	128	The name of the assembly the process

Column Name	Data Type	Size	Description
			definition is associated with.
APPL_NAME	nvarchar	256	The name of the application associated with the item.
RELEASE_DATE	datetime	8	The time stamp for when the process definition was released.
INITIATE_CONSTRAINT	nvarchar	64	The type of process model. This determines the category for which this process model is associated under the license model. If the process model is of type ChildProcess, it cannot be initiated as a stand alone process. A ParentChildProcess can be initiated as either a Parent or Child process, it counts as a Parent process.

## Relationships

Table Name	Relationship
WF_PROC_INSTS	1 – n

## WF\_PROC\_DEF\_SUPPLEMENTS

### Description

Contains supplemental information about process definitions.

### Columns

For the descriptions in this table, the term **item** refers to **supplemental information about a process definition**.

Column Name	Data Type	Size	Description
PROC_DEF_ID	varchar	32	The ID of the process definition this item is associated with.
ACTIVITY_DEF_ID	nvarchar	256	Unique activity definition ID.
SUPPLEMENT_INFO	Image		User-defined supplement information with process definition.

## Relationships

Table Name	Relationship
WF_PROC_DEFS	1 – n

## WF\_PROC\_INSTS

### Description

One of the main tables which contains information about the process instances.

### Columns

For the descriptions in this table, the term **item** refers to a **process instance**.

Column Name	Data Type	Size	Description
PROC_INST_ID	varchar	32	(Primary key) The unique item ID.
PROC_INST_NAME	nvarchar	384	The unique process instance name.
DEF_ID	varchar	32	(Foreign key to WF_PROC_DEFS table) Represents the ID of the process definition (template).
DEF_NAME	nvarchar	256	The name of the process definition.
VERSION	nvarchar	16	The version of the process definition (template).
SUPER_PROC_INST_ID	varchar	32	The process instance ID of the parent process.



Column Name	Data Type	Size	Description
STATUS	nvarchar	16	<p>The status of the process instance.</p> <p>Initiated: When the process instance was initiated, before running.</p> <p>Running: When the process instance is running.</p> <p>Suspended: Indicates the process instance has been suspended.</p> <p>Canceled: Indicates the process instance has been canceled.</p> <p>Completed: Indicates the process instance is completed.</p>
STARTED_DATE	datetime	8	The date the item started.
DUE_DATE	datetime	8	The date the item is due.
COMPLETED_DATE	datetime	8	The date the item was completed.
WORK_OBJECT_ID	nvarchar	256	The Work Object ID associated with the item.
LAST_SWAP_DATE	datetime	8	The last time the process instance was swapped out to free up resources.
LAST_MODIFIED_DATE	datetime	8	The date the item was last modified.
LAST_MODIFIED_BY	nvarchar	64	The user who last updated, or modified, the item.
LAST_RUNNING_START_TIME	datetime	8	The date for which the process instance last started/resumed running.
LAST_RUNNING_END_TIME	datetime	8	The date for which the process instance last stopped running.
APPL_NAME	nvarchar	256	The name of the application associated with the item.
PROC_INITIATOR	nvarchar	64	The person who initiated the process instance.

Column Name	Data Type	Size	Description
PROC_INITIATOR_LOC	nvarchar	64	The location/IP Address of the person who initiated the process instance.
WORK_OBJECT_INFO	nvarchar	1024	Information about the work object for which a process instance has been initiated. It is used mostly for SharePoint based work objects (i.e. list URLs, etc.)
SOURCE_PROC_INST_ID	varchar	32	Used for process split and merge.
TARGET_PROC_INST_ID	varchar	32	Used for process split and merge.

## Relationships

Table Name	Relationship
WF_PROC_DEFS	n – 1
WF_MANUAL_WORKITEMS	1 – n
WF_AUTO_WORKITEMS	1 – n
WF_EVENTS	1 – n
WF_ACTIVITY_INSTS	1 – n
WF_PROC_TRACKINGS	1 – n
WF_MAIL_DELIVERABLES	1 – n

## WF\_PROC\_TRACKINGS

### Description

This table keeps track of the history of how a process moves from one step to another.

### Columns

For the descriptions in this table, the term **item** refers to an **action**.

Column Name	Data Type	Size	Description
PROC_INST_ID	varchar	32	(Foreign key to WF_PROC_INSTS table) The process instance ID.

Column Name	Data Type	Size	Description
FROM_ID	varchar	32	(Foreign key to WF_ACTIVITY_INSTS table) Represents the activity instance ID that the link is from.
TO_ID	varchar	32	(Foreign key to WF_ACTIVITY_INSTS table) Represents the activity instance ID that the link is to.
LINK_NAME	nvarchar	128	The display name specified to the link in the process template.
EVENT_NAME	nvarchar	32	The name of the event that describes the action of the link, for example: Promote.
DATE_OCCURRENCE	datetime	8	Represents the date the action occurred.
SENDER	nvarchar	64	The user credential of the person who performed the action - e.g. pearl\administrator.

## Relationships

Table Name	Relationship
WF_PROC_INSTS	n – 1
WF_ACTIVITY_INSTS	n – n

## WF\_REG\_USERS

### Description

Contains information about the registered users in AgilePoint Server.

### Columns

For the descriptions in this table, the term **item** refers to a **registered user**.

Column Name	Data Type	Size	Description
USER_NAME_UPCASE	nvarchar	64	(Primary key) The uppercase name of the registered user.
USER_NAME	nvarchar	64	The name of the registered user as it was entered (can include both upper and lower case characters).
EMAIL_ADDRESS	nvarchar	64	The email address of the registered user.
REGISTERED_DATE	datetime	8	The date the user was registered.
FULL_NAME	nvarchar	256	The full name of the registered user.
MANAGER	nvarchar	64	The manager of this registered user.
DEPARTMENT	nvarchar	256	The department the user belongs to.
TITLE	nvarchar	64	The title of the registered user.
LOCALE	nvarchar	32	The locale of the registered user.
TIMEZONE	nvarchar	64	The time zone for which the registered user belongs to.
ONLINE_CONTACT	nvarchar	64	Reserved for future use. Represents the chat client account.
REF_ID	varchar	32	Reserved for future use. Represents the image associated with the chat account.
UAL_EXPIRATION_DATE	datetime	8	Expiration date and time of the user's float user license session
UAL_NEVER_EXPIRES	varchar	3	Yes/No, flag that user's float user license session is never expired

## Relationships

Table Name	Relationship
None	Not Applicable

## WF\_REPORT\_CFGS

### Description

Contains information about the report configuration.

### Columns

For the descriptions in this table, the term **item** refers to a **report configuration**.

Column Name	Data Type	Size	Description
REPORT_NAME	nvarchar	64	(Primary key) The name of the SQL Reporting report.
CONFIGURE	ntext		The configuration of the SQL Reporting report.
CREATED_DATE	datetime	8	The date the item was created.
CREATED_BY	nvarchar	64	The user who created the item.
LAST_UPDATED_DATE	datetime	8	The date the item was last updated.
LAST_UPDATED_BY	nvarchar	64	The user who last updated, or modified, the item.

## Relationships

Table Name	Relationship
None	Not Applicable

## WF\_REPOSITORY\_ITEMS

### Description

Contains information about repository items.

### Columns

For the descriptions in this table, the term **item** refers to a **repository items**.

Column Name	Data Type	Size	Description
ITEM_ID	varchar	32	An unique ID that identifies the item.
CATEGORY	nvarchar	64	The category, or type, of item.
CFG_XML	ntext		User-defined configuration in XML format.
OWNER_ID	varchar	32	GUID of item owner, for example, process definition ID.
CREATED_DATE	datetime		The date the item was created.
CAREATED_BY	nvarchar	64	The user who created the item.
LAST_MODIFIED_DATE	datetime		The date the item was last modified.
LAST_MODIFIED_BY	nvarchar	64	The user who last updated, or modified, the item.

### Relationships

Table Name	Relationship
None	Not Applicable

## WF\_ROLES

### Description

Contains information about user roles.

## Columns

For the descriptions in this table, the term **item** refers to a **user role**.

Column Name	Data Type	Size	Description
NAME	nvarchar	64	The name of the item as it was entered (can include both upper and lower case characters).
NAME_UPCASE	nvarchar	64	(Primary key) Represents the uppercase name of the item.
DESCRIPTION	nvarchar	2048	A free text description of the item.
CREATED_DATE	datetime	8	The date the item was created.
CREATED_BY	nvarchar	64	The user who created the item.
LAST_MODIFIED_DATE	datetime	8	The date the item was last modified.
LAST_MODIFIED_BY	nvarchar	64	The user who last updated, or modified, the item.
RIGHT_FLAGS	varchar	256	A sequence of (Y/N) flags that represent the access rights assignment to the role.
ENABLED	varchar	3	Indicates whether the item is enabled.

## Relationships

Table Name	Relationship
WF_ASSIGNED_OBJECTS	1 – n

## WF\_SCHEDULED\_ITEMS

### Description

Contains information about interceptors for a custom attribute.

## Columns

For the descriptions in this table, the term **item** refers to a **scheduled item within AgilePoint**.

Column Name	Data Type	Size	Description
ITEM_ID	varchar	32	An unique ID that identifies the item.
OWNER_ID	varchar	32	A unique ID that identifies the person responsible for the item.
REF_ID	varchar	64	User-defined ID with the item
CATEGORY	nvarchar	256	The category, or type, of item.
STARTED_DATE	datetime		The date the item started.
DUE_DATE	datetime		The date the item is due.
CREATED_DATE	datetime		The date the item was created.
SUSPENDED_DATE	datetime		The date and time the item was suspended.
SUSPENDED_BY	nvarchar	64	The user who suspended the item.
STATUS	varchar	16	The status of the item.
PARAMETER	ntext		A parameter associated with the item.

## Relationships

Table Name	Relationship
WF_ACTIVITY_INSTS	1 – n
WF_PROC_INSTS	1 – n

## WF\_SERIALIZED\_ENTITIES

### Description

This table is used to store business entities in a serial format (i.e. XML) for processing.



## Columns

For the descriptions in this table, the term **item** refers to a **serialized business entity**.

Column Name	Data Type	Size	Description
ID	varchar	32	A system generated GUID.
APP_NAME	nvarchar	256	The name of the application that is creating this entry.
CATEGORY	nvarchar	256	A category name specific for an object.
TYPE_INFO	nvarchar	1024	The metadata of the object.
TEXT_DATA	ntext		The serialized representation of the object.

## Relationships

Table Name	Relationship
None	Not Applicable

# WF\_SOPERATIONS

## Description

This table provides the queuing service for the SharePoint AgileConnector.

## Columns

For the descriptions in this table, the term **item** refers to a **SharePoint operation**.

Column Name	Data Type	Size	Description
OPERATIONNAME	nvarchar	50	The name of the SharePoint operation.
PARAMETERS	nvarchar	max	The parameter collection when calling the Web Service that is passed to SharePoint.

Column Name	Data Type	Size	Description
PROCESSINSTANCEID	nvarchar	50	The ID of the process instance this operation is associated with.
WORKITEMID	nvarchar	50	The unique ID of the work item.
WORKOBJECTID	nvarchar	50	The work object ID associated with the process instance.
INITIATEDDATETIME	datetime	8	The date and time for which the operation was initiated.

## Relationships

Table Name	Relationship
WF_MANUAL_WORKITEMS	n – 1
WF_PROC_INSTS	1 – n