



NetIQ® Aegis® Adapter for Databases

Configuration Guide

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This document provides information about installing and configuring the NetIQ Aegis Adapter for Databases. This document also covers how to verify a successful installation.

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Overview

The NetIQ Aegis Adapter for Databases (database adapter) allows Aegis to communicate with Microsoft SQL Server databases to:

- Receive events and initiate work items. If your environment has an internal database that consolidates events from multiple data sources, the database adapter sends events to Aegis when there is a new row in a database table. If an event matches a trigger associated with a workflow, Aegis initiates a work item.
- Add inventoried resources to Aegis for event correlation. If your environment has an internal configuration management database (CMDB) or inventory database, the database adapter adds the inventoried resources to the Resource Management database.

The database adapter includes a library of workflow activities that Process Authors can use in the Workflow Designer.

For more information about activities or activity libraries, see the *Process Authoring Guide for Aegis*.

Product Requirements

The database adapter requires the following software versions:

- Aegis 2.2
- One of the following:
 - Microsoft SQL Server 2000
 - Microsoft SQL Server 2005
 - Microsoft SQL Server 2008
 - Microsoft SQL Server 2008 R2

The database adapter requires one of the following operating systems:

- Windows Server 2003 Standard Service Pack 2 (32-bit)
- Windows Server 2003 Enterprise Service Pack 2 (32-bit)
- Windows Server 2008 (32-bit and 64-bit)
- Windows Server 2008 R2

Implementation Overview

The following table provides an overview of tasks to configure the database adapter.

	Steps	For more information, see...
<input type="checkbox"/>	1. Install the database adapter.	"Installing the Database Adapter" on page 2
<input type="checkbox"/>	2. Configure the adapter to connect to one or more databases.	"Configuring a Database Connection" on page 3
<input type="checkbox"/>	3. Verify the installation was successful.	"Verifying a Successful Installation" on page 4

Installing the Database Adapter

You must install the database adapter on an Aegis Server computer. You cannot install the adapter remotely.

If your Aegis Server computer is part of a cluster, you must install the adapter on the active node first, and then on each passive node.

Installing on an Active Node in a Cluster or on a Non-clustered Computer

These steps guide you through the process of installing the database adapter on one of the following:

- The active node of a cluster
- A single non-clustered computer

To install the database adapter on the Aegis Server computer:

1. Log on to the Aegis Server computer with an administrator account.
 2. Run the setup program from the folder where you downloaded the database adapter.
 3. Click **Next**.
 4. Accept the license agreement, and then click **Next**.
 5. On the Logon Information page of the installation wizard, complete the following steps:
 - a. *If the Aegis Server computer is not part of a cluster environment*, verify the Aegis Server computer name or IP address and the server port.
 - b. *If the Aegis Server computer is part of a cluster environment*, verify the cluster name or IP address and the server port.
 - c. Specify the user name and password used to access the Aegis Server computer.
-
- Note**
Ensure you specify an Aegis user account that is a member of the Administrators group.
-
- d. *If the Aegis Server computer belongs to a domain*, ensure you specify the correct domain.
 - e. Click **Next**.
6. If you are ready to begin the installation, click **Next**.
 7. Click **Finish**.

Installing on a Passive Node in a Cluster

These steps guide you through the process of installing the database adapter on a passive node in a cluster. You must install the database adapter on the active node of the cluster first.

To install the database adapter on a passive node in a cluster:

1. Log on to the passive Aegis Server node with an administrator account.
2. Open a command prompt for the folder where you downloaded the database adapter.

3. Type the following command:

```
msiexec /i IQGeneri cDBI nstal l er. msi /I *V IQGeneri cDBI nstal l er. log  
SKI PCONF I G="TRUE"
```

4. Follow the instructions in the setup program until you finish installing the database adapter, and then click **Finish**.

Configuring a Database Connection

When the installation is complete, the Aegis Adapter Configuration Utility allows you to configure additional database connections at any time. For each database connection, you must specify at least one database table or view. When the database adapter detects a new row in a monitored table or view, it sends an event to Aegis.

To configure a database connection:

1. Log on to the Aegis Server computer with an administrator account.
2. In the NetIQ program group, click **Aegis > NetIQ Aegis Adapter Configuration**.
3. In the left pane, click **Database Adapter**.
4. On the Edit menu, click **New Entry**.
5. Provide the appropriate information.
6. To configure a database table or view, complete the following steps:
 - a. Click **Add New Table**.
 - b. On the Select a Table window, select the database table or view you want to configure, and then click **Add**.
 - c. On the table configuration window, provide the appropriate information.
7. *If you are monitoring the table for new rows and want to include a message about the new row in the event detail message*, complete the following steps:
 - a. Click **Custom Message**.
 - b. On the Custom Message window, type the appropriate message in the text field.
 - c. *If you want to include column names in the message*, drag the appropriate column names from the list on the left to the text field.
 - d. Click **OK**.
8. Click **Exit**.
9. Restart the NetIQ Aegis Namespace Provider service.

Verifying a Successful Installation

The following indicators allow you to verify a successful installation of the database adapter:

- New event type
- Resource Management database registration

After verifying a successful installation, NetIQ recommends you build a simple workflow with one of the activities in the NetIQ Database Activities library. For more information about building workflows, see the *Process Authoring Guide for Aegis*.

New Event Type

The database adapter installs a new event type you can use to create triggers and triggering event definitions.

To verify successful addition of the new event type:

1. Start the Aegis Configuration Console.
For more information about starting the Configuration Console, see the *Administrator Guide for Aegis*.
2. In the Navigation pane, click **Administration**.
3. In the left pane, click **Triggering Event Definitions**.
4. In the Event Definitions View Tasks list, click **Create New Event Definition**.
5. On the Create Triggering Event Definition window, click **<event type>**.
6. Ensure **Generic Database Monitor Table Change Event** is in the list of available event types.

Resource Management Database Registration

After you complete the installation and configure at least one database connection, Aegis checks the monitored tables for rows containing inventory information, and then imports all referenced computers as resources.

To verify successful registration with the Resource Management database:

1. Start the Aegis Configuration Console.
For more information about starting the Configuration Console, see the *Administrator Guide for Aegis*.
2. In the Navigation pane, click **Resources**.
3. In the left pane, expand **Adapter Resource Hierarchies**.
4. Ensure **Database Adapter** is in the list of installed adapters.
5. *If you configured one or more database connections to register inventory information with the Resource Management database*, complete the following steps:
 - a. Expand **Database Adapter**.
 - b. Click **Database Adapter *AegisServer***, where *AegisServer* is the name of the Aegis Server computer.
 - c. Ensure the computers associated with the database tables display as resources.

Workflow Activities Overview

The activities in the NetIQ Database Activities library allow Aegis to perform the following types of tasks:

- Find, update, and insert rows into database tables
- Retrieve values from a database table or view
- Execute SQL statements and stored procedures

For detailed information about each activity, see its related Help.

Uninstalling the Database Adapter

You can uninstall the database adapter using one of the following methods:

- Run the setup program from the folder where you downloaded the database adapter.
- In Add/Remove Programs, select NetIQ Aegis Adapter for Databases.

Do not attempt to use the Aegis setup program to uninstall the database adapter.

If you are uninstalling from a cluster environment, ensure the following:

- Uninstall the adapter from all passive nodes first.
- Remove the node from the cluster before you uninstall the adapter.