



ALTIRIS[®]
Connector Pack 6.0 for IBM
Director
Product Guide

Notice

Altiris Connector Pack 6.0 for IBM Director

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Document Date: February 13, 2006

Bootworks U.S. Patent No. 5,764,593.

RapiDeploy U.S. Patent No. 6,144,992.

Recovery Solution U.S. Patent No. 5,778,395, 5,907,672, 4701745, 5016009, 5146221, 5144425, 5463390, 5506580, 5532694, GB 2172127, B 904359, 3606869.

Other patents pending.

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Chapter 1

Overview

The Altiris® Connector Pack™ for IBM Director is an add-on to Altiris® Connector Solution™ that allows organizations to extend their investment in the IBM Director platform with inventory data from Altiris' award winning Notification Server repository.

The Connector Pack for IBM Director leverages Connector Solution components to integrate the Altiris Infrastructure with IBM Director in three ways:

- **Data Integration**
Data integration is a basic import that consists of a user interface in which users select an Altiris computer that corresponds to an IBM Director computer, provides required connection details and security credentials, and optionally sets a schedule for a recurring data import. Subsequent to configuration, the basic import creates a linked server between the Altiris Infrastructure database and the IBM Director database, and proceeds to import basic identifying information for resources from the IBM Director database into the Altiris Infrastructure database on the configured schedule. Reports provide a set of reusable details for creating the linked server and importing basic identifying information.
- **Event Integration**
Event integration provides a user interface where users select an Altiris computer resource corresponding to an IBM Director computer, and enable or disable SNMP trap events targeted at the IBM Director computer. MIBs that enable IBM Director to interpret received SNMP trap events are included in the Connector Pack Agent for IBM Director.
- **UI Integration**
A pre-defined set of UI integrations between the Altiris Infrastructure and IBM Director are included in the Connector Pack Agent for IBM Director.

The Connector Pack for IBM Director creates the Connector Pack Agent for IBM Director dynamically on demand for manual download to the IBM Director computer, or for automated software delivery to the IBM Director computer.

Quick Links

- [Installing the Connector Pack for IBM Director](#) (page 5)
- [Getting Started with the Connector Pack for IBM Director](#) (page 7)
- [Using the Connector Pack for IBM Director](#) (page 13)

Chapter 2 Installation

This section tells you how to install the Altiris Connector Pack for IBM Director onto the Notification Server.

- [Installing the Connector Pack for IBM Director](#) (page 5)
- [Uninstalling the Connector Pack for IBM Director](#) (page 6)
- [Registration](#) (page 6)

Installing the Connector Pack for IBM Director

This section explains how to install the Connector Pack for IBM Director. See [Prerequisites](#) (page 5) before you install or upgrade.

Quick Link

- [Installing](#) (page 5)

Prerequisites

- Notification Server 6.0 SP3 must be installed on the computer you are installing the Connector Pack for IBM Director on. For more information, see *Altiris Notification Server Help*.
- The Notification Server computer with this Connector Pack installed must have network access to an IBM Director computer (version 5.10).
- Altiris Connector Solution 6.1 must be installed on Notification Server. If Connector Solution 6.1 is not installed, the Connector Pack installation installs it for you.

Installing

To Install the Connector Pack for IBM Director

1. Open the Altiris Console.
 - Select **Start > Programs > Altiris > Altiris Console**.
2. Click the **Configuration** tab.
3. In the left pane, click **Upgrade/Install Additional Solutions**.
4. In the right pane, click the **Available Solutions** tab.
5. Click the **Segments** sub-tab.
6. Expand either the **Connectors** or the **Partner Solutions** list.
7. Click **Altiris Connector Pack for IBM Director**.
8. Click **Start**.

Uninstalling the Connector Pack for IBM Director

To uninstall the Connector Pack for IBM Director

1. Open the Altiris Console.
 - Select **Start > Programs > Altiris > Altiris Console**.
2. Click the **Configuration** tab.
3. In the left pane, click **Upgrade/Install Additional Solutions**.
4. In the right pane, click the **Currently Installed** tab.
5. Click the **Remove** button next to **Altiris Connector Pack for IBM Director**.

To uninstall the Altiris Connector Agent from the IBM Director computer

1. Remove the Altiris Connector Agent by running Add/Remove Programs in the Control Panel.
2. Manually delete the Altiris MIBs from the IBM Director computer.
3. From the Altiris console, delete the IBM Director computer from the **IBM Director Computers** collection.

Registration

Each Altiris product comes with a 7-day trial license that is installed by default. You can register and obtain a 30-day evaluation license through our Web site at www.altiris.com or purchase a full product license.

To view your current license, open the Altiris Console, click the **Configuration** tab, and select **Licensing**.

For more information, see "Licensing Altiris Software" in the *Altiris Getting Started Guide* on the product CD or on our Web site at www.altiris.com/support/documentation.

Chapter 3

Getting Started with the Connector Pack for IBM Director

The Getting Started tasks guide you through the basic setup, configuration, and use of the Connector Pack. This section assumes that you have successfully installed the Connector Pack for IBM Director on your Notification Server and have IBM Director set up on a separate computer.

Getting started tasks

- [Adding Computers to the IBM Director Computer's Collection](#) (page 7)
- [Performing Event Integration](#) (page 8)
- [Installing the Altiris Connector Pack Agent for IBM Director](#) (page 8)
- [Viewing UI Integration and Compile Altiris MIBs](#) (page 9)
- [Performing Data Integration](#) (page 10)
- [Running a Report on Data from IBM Director](#) (page 11)

Prerequisites for Getting Started tasks

- Notification Server 6.0 SP3
- Connector Pack 6.0 for IBM Director
- Computer with IBM Director 5.10 set up and running

Exercise scenario

You have been asked to perform event and UI integration from Notification Server to IBM Director. After the event integration is received, you need to set up and run data integration from IBM Director to Notification Server. Finally, you need to run a report giving you the inventory of computers managed by IBM Director.

Adding Computers to the IBM Director Computer's Collection

Before using the Connector Pack, you must add one or more IBM Director computers to the IBM Director computer's collection.

To add a computer to the collection

1. From the Altiris Console, select **Configuration > Solutions Settings > Connectors > IBM Director > IBM Director Computers**.
2. Click the **Edit collection** icon.
3. In the **Inclusions** section, click the link next to the pencil icon.
4. Click the **Add a resource** icon.
5. Select the search criteria and click **Find**.
6. Select the resource you want added to the collection.

7. Click **OK**.
8. Click **OK**.
9. Click **Apply**.

Performing Event Integration

In order to have event integration, you must select the SNMP listeners (events) for the IBM Director Computers collection.

If you have not done so, you should now add SNMP listeners to your SNMP destination collections. For information on adding SNMP listeners and setting up SNMP automated actions, see the *Connector Solution Product Guide*.

After you have added SNMP listeners to your SNMP destination collections, you can set up event integration.

To set up event integration

1. From the Altiris Console, click the **Configuration** tab.
2. In the left pane, select **Configuration > Solutions Settings > Connectors > IBM Director > Event Integration**.
3. In the **Select an SNMP Destination (Collection)** list, select the **IBM Director Computers** collection.
4. For each SNMP listener in the list that appears, set up which SNMP automated actions you want to be enabled or disabled.
5. Click **Apply**.

Installing the Altiris Connector Pack Agent for IBM Director

The Altiris Connector Pack Agent for IBM Director communicates with IBM Director. The agent installs files and folders on your IBM Director computer that are needed for performing event and UI integration with IBM Director. It must be installed on a Windows computer and must be installed before the Connector Pack will work. However, it cannot be installed until after you install the Connector Pack.

To install the Connector Pack Agent for IBM Director

1. From the Altiris Console, click the **Configuration** tab.
2. In the left pane, select **Configuration > Solutions Settings > Connectors > IBM Director > Agent Configuration**.
3. Download the Connector Pack Agent for IBM Director executable by clicking the **Download the Agent** button in the Agent Configuration page and installing the executable to a location accessible by the IBM Director computer.
4. Install the Connect Pack Agent on the IBM Director computer by running the executable. The executable is installed in the Program Files\Altiris\ConnectIBMDirectorAgent folder.

Note

To verify that the Connector Pack Agent has installed, go to Add/Remove Programs and verify that there is a program called *Altiris Connector for IBM Director Agent*.

Viewing UI Integration and Compile Altiris MIBs

The Connector Pack Agent downloads Altiris MIBs and UI components to the IBM Director computer. After the Connector Pack Agent installs, you can view the Altiris UI components. However, you need to compile the Altiris MIBs before event integration is completed.

To view the Altiris UI components on IBM Director

1. The Altiris UI components can be accessed from the IBM Director Console in the following areas:

- The Tasks pane in the View tab.

Note

Drag a computer resource to the Altiris Resource Manager link to open Resource Manager with that resource's information.

- Right-click on a resource object and select **Altiris > Altiris Resource Manager**. (This only applies to the Altiris Resource Manager link.)
- Click **Tasks > Altiris**.
- On the Configuration page of the Toolbar, you can add an Altiris button.

Altiris UI Components

Component	Description
Altiris Console	Opens the Altiris Console.
Altiris Reports Console	Opens the Altiris Console to the Reports tab.
Altiris Resource Manager	Opens Resource Manager in the context of a single computer. This only opens if a computer resource is selected or dragged to the Altiris Resource Manager link.
Altiris Web Site	Opens the Altiris Web site.
Data Integration Configuration	Opens the Altiris Console with the Basic Data Import page displayed.
Deployment Console	Opens the Altiris Console to the Deployment tab.

To compile the Altiris MIBs

1. From the IBM Director Console, select **Tasks > SNMP Browser > Manage MIBs**.
2. Select **File > Select MIB to compile**.
3. Select ALTIRIS-CUSTOM-MIB-6-0.mib.
4. Click **OK**.
5. Select and compile ALTIRIS-MIB-6-0.mib.
6. Select and compile any other Altiris MIBs.

7. Select **File > Select MIB to load** and verify that the compiled Altiris MIBs are loaded.

Performing Data Integration

There are two types of data integration: setting up a database link and importing computer resources.

The most common form of data integration is to link the Notification Database with the IBM Director database. When the link is established, you can run reports that access data from both databases. In this case, the IBM Director database becomes an extension of the Notification Database.

At this time, SQL servers are supported. However, you should be able to establish a link to most databases from this page.

To set up a SQL database link

1. From the Altiris Console, click the **Configuration** tab.
2. In the left pane, select **Configuration > Solutions Settings > Connectors > IBM Director > Data Integration**.
3. In **Select a Configuration**, select the IBM Director computer that you want to use to set up a link.

The name of the configuration is listed followed by the fields you can enter to configure the data integration.

4. Enter the description of the configuration.
5. Enter the IBM Director computer and database information.

Note

These fields are used for both setting up a database link and importing computer resources.

- a. In the **Server Name** field, enter the name of the computer that the IBM Director database is on.
 - b. In the **Database Name** field, enter the name of the IBM Director database.
 - c. In the **Schema** field, enter the IBM Director database schema.
 - d. In the **User** field, enter a username for logging onto the IBM Director database (example: sa).
 - e. In the **Password** field, enter the password for the username.
6. Enter the linked server information. These fields are specific to setting up a linked server.


Note

These fields are used only for setting up a database link.

- a. In the **Product name** field when using SQL server, enter `SQLServer OLEDB Provider`.
- b. In the **Provider name** field when using SQL server, enter `SQLOLEDB`.
- c. In the **Location** field when using SQL server, you can leave it blank.

- d. In the **Provider string** field when using SQL server, you can leave it blank.
7. Click **Apply** to establish the database link.

Note

You can test the selected configuration by clicking the Test icon () on the toolbar.

In addition to linking the two databases, you can also import computer resources from the IBM Director database to the Notification Database. The computer name and a computer identifier are all that get uploaded to the Notification Server. For every computer on the IBM Director, a resource is created (if it does not exist) in the Notification Database.

To import computer resources to Notification Server**Note**

You must create a database link (enter the IBM Director computer, database, and linked server information and click **Apply**) before you can import computer resources.

Option 1: Click the **Run the Selected Configuration** icon () on the toolbar. This creates the database link and imports the computer resources.

Option 2: Select **Enable Schedule** and select the schedule you want the import to run. The import will be run at the scheduled time.

Running a Report on Data from IBM Director

The Connector Pack provides several reports to view your IBM data. After you have created a database link or imported computer resources, you can run these reports.

To run a computer hardware inventory report on IBM Director

1. From the Altiris Console, click the **Reports** tab.
2. In the left pane, select **Reports > Connector > IBM Director > Computer Hardware Inventory by Model**.
3. In the right pane, click **Run this report**.

Chapter 4

Using the Connector Pack for IBM Director

This section describes the elements that are added to the Altiris console when this Connector Pack gets installed.

Quick Links

- [Agent Configuration](#) (page 13)
- [Reports](#) (page 14)

Agent Configuration

The Connector Pack Agent integrates IBM Director with the Altiris Infrastructure in two ways:

- **Event Integration**

The event integration between IBM Director and the Altiris Infrastructure is built on Connector Solution components. When the Connector Pack creates the installer for the Connector Pack Agent, it includes the Altiris MIB and Altiris Custom MIB. When the Connector Pack Agent is installed, these MIBs are placed in a folder from which they will be imported into IBM Director and used for interpreting received SNMP trap events from the Altiris Infrastructure. The task of importing the MIBs into IBM Director requires some manual steps.

- **UI Integration**

The UI integration between IBM Director and the Altiris Infrastructure is built on Connector Solution components. When the Connector Pack creates the installer for the Connector Pack Agent, it includes files and custom actions required for a predefined set of UI integrations. When the Connector Pack Agent is installed, these predefined UI integrations are exposed in the IBM Director UI.

The Connector Pack Agent installer created by the Connector Pack is a standard MSI installer. The Connector Pack leverages Altiris Installer Maker to create the installer dynamically on demand for manual download from the Altiris console to the IBM Director computer, or for automated software delivery from the Altiris Infrastructure to the IBM Director computer.

The **Agent Configuration** page lets you manually or automatically install the Connector Pack Agent for IBM Director executable to the IBM Director computer. When you click **Download the Agent**, a File Download window appears. Click **Open** to download the agent to a computer that is accessible by the IBM Director computer. Then, install the agent to the IBM Director computer. The agent is installed in the Program Files\Altiris\ConnectIBMDirectorAgent folder.

If you want to install the Connector Pack Agent using Software Delivery, click **Configure Software Delivery** to create a software delivery task. Select **Enable** to enable the task, then click **Apply** to accept the configuration.

If you have Software Delivery Solution installed, you can create a package that deploys the Connector Pack Agent for IBM Director to an IBM Director computer (the IBM Director computer must already have the Altiris Agent installed before you create the

package). Click **Configure Software Delivery** to create the package. A collection, package, and task item is added in the **Agent** folder for each IBM Director computer for which you configure Software Delivery.

Note

Each time Altiris produces a new MIB, you need to download and install the Connector Pack Agent to your IBM Director computers.

Reports

The Connector Pack provides several reports that let you view data.

To run reports

1. From the Altiris Console, click the **Reports** tab.
2. In the left pane, select **Reports > Connector > IBM Director**.
3. To run a report, select the report and click **Run this report** in the right pane.

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