



ArcSight SmartConnectors

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Configuration Guide for Novell Nsure Audit DB SmartConnector

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Configuration Guide for Novell Nsure Audit DB SmartConnector

This guide provides information for installing the SmartConnector for Novell Nsure Audit DB and configuring the device for event collection.

Intended Audience

This guide provides information for IT administrators who are responsible for managing the ArcSight software and its environment.

Additional Documentation

The ArcSight SmartConnector documentation library includes the following resources:

- [Technical Requirements Guide for SmartConnector](#), which provides information about operating system, appliance, browser, and other support details for SmartConnector.
- [Installation and User Guide for SmartConnectors](#), which provides detailed information about installing SmartConnectors.
- [Configuration Guides for ArcSight SmartConnectors](#), which provides information about configuring SmartConnectors to collect events from different sources.
- [Configuration Guide for SmartConnector Load Balancer](#), which provides detailed information about installing Load Balancer.

For the most recent version of this guide and other ArcSight SmartConnector documentation resources, visit the [documentation site for ArcSight SmartConnectors](#).

Contact Information

We want to hear your comments and suggestions about this book and the other documentation included with this product. You can use the comment on this topic link at the bottom of each page of the online documentation, or send an email to MFI-Documentation-Feedback@opentext.com.

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Product Overview

Novell Audit is a centralized, cross-platform, secure network event logging and auditing service. It tracks everything that occurs in an organization's systems to ensure they are being accessed and used appropriately. Novell Audit records and reports on all security, system, and application events in an enterprise network.

Creating an Nsure Audit User

After your MySQL database is installed and running, create an Nsure Audit user with the necessary privilege.

To create an Nsure user:

1. Launch MySQL Monitor by running `mysql -u username -p` from the NetWare terminal or from the `mysql` folder, depending upon the platform. If this is a new installation of MySQL, use the default user, `root`.
2. Enter the following command in MySQL Monitor to create the Nsure Audit user:
`GRANT SELECT ON naudit.log TO auditusr@'%' IDENTIFIED BY 'auditpwd'`



Note: The `@'%'` after the username enables remote access for this account. You can omit this if the MySQL database is located on the same server as the Secure Logging Server. The default password is 'auditpwd', although this password should be changed from the default in a production environment.

3. Enter the following command in MySQL Monitor to flush the MySQL privileges:
`FLUSH PRIVILEGES;`
4. Record the following information:
 - IP address or DNS name of your MySQL server
 - Nsure Audit database name
 - Nsure Audit username and password

This information is required to configure the log channel object in eDirectory used by the Secure Logging Server to connect to your MySQL server.

5. Exit MySQL Monitor.

MySQL is now configured for use by Nsure Audit. The necessary table structures are created automatically by Nsure Audit.

Downloading MySQL JDBC Driver

The following steps are required when you use the MySQL JDBC driver, required for Connector Appliance/ArcSight Management Center and Linux systems.

1. For connector versions 7.2.4 and later, download the latest MySQL JDBC Driver from:
<http://dev.mysql.com/downloads/connector/j>

2. For connector versions 7.2.3 and earlier, download the MySQL 5.0.8 JDBC Driver from:
<https://dev.mysql.com/downloads/connector/j/5.0.html>
3. For connector versions 7.14.0 and later, download the latest DB2 JDBC Driver from:
<https://www.ibm.com/support/pages/db2-jdbc-driver-versions-and-downloads>

Installing the SmartConnector

The following sections provide instructions for installing and configuring your selected SmartConnector.

Preparing to Install the SmartConnector

Before you install any SmartConnectors, make sure that the OpenText ArcSight products with which the connectors will communicate have already been installed correctly (such as ArcSight ESM or ArcSight Logger).

For complete product information, refer to the *Administrator's Guide to ArcSight Platform*, available on [ArcSight Documentation](#).

If you are adding a connector to the ArcSight Management Center, see the *ArcSight Management Center Administrator's Guide* available on [ArcSight Documentation](#) for instructions.

Before installing the SmartConnector, make sure that the following are available:

- Local access to the machine where the SmartConnector is to be installed
- Administrator passwords
- Minimum DB privileges - OpenText recommends the following minimum permissions to access the database:
 - Explicit CONNECT permission
 - Explicit SELECT permission
 - Public role
 - db_datareader_role

For more information about any specific permission, see the documentation of the specific database.

Installing and Configuring the SmartConnector

1. Start the installation wizard.
2. Follow the instructions in the wizard to install the core software.
3. Exit the installation wizard.

4. For software connectors, copy the appropriate JDBC jar file to \$ARCSIGHT_HOME\current\user\agent\lib, where \$ARCSIGHT_HOME refers to the connector install folder, such as c:\ArcSight\SmartConnectors. For Connector Appliance/ArcSight Management Center users, see [Adding a JDBC Driver to the Connector Appliance/ArcSight Management Center](#).
5. From \$ARCSIGHT_HOME/current/bin, double-click runagentsetup.bat to return to the SmartConnector Configuration Wizard.
6. Select **Novell Nsure Audit DB** and click **Next**.
7. Enter the required SmartConnector parameters to configure the SmartConnector, then click **Next**.

Parameter	Description
NAudit Database JDBC Driver	Nsure Audit Database JDBC Driver.
NAudit Database URL	Nsure Audit Database JDBC URL.
NAudit Database User	Login name for the Nsure Audit Database User.
NAudit Database Password	Password assigned to access the database.

8. Select a [destination and configure parameters](#).
9. Specify a name for the connector.
10. (Conditional) If you have selected **ArcSight Manager** as the destination, the certificate import window for the ArcSight Manager is displayed. Select **Import the certificate to the connector from destination**, and then click **Next**. The certificate is imported and the **Add connector Summary** window is displayed.

 **Note:** If you select Do not import the certificate to connector from destination, the connector installation will end.

11. Select whether you want to install the connector as a service or in the standalone mode.
12. Complete the installation.
13. [Run the SmartConnector](#).

For instructions about upgrading the connector or modifying parameters, see [Installation and User Guide for SmartConnector](#).

Adding a JDBC Driver to the Connector Appliance/ArcSight Management Center.

After downloading and extracting the JDBC driver, upload the driver into the repository and apply it to the required containers, as follows:

1. From the Connector Appliance/ArcSight Management Center, select **Setup > Repositories**.
2. Select **JDBC Drivers** from the left pane and click the **JDBC Drivers** tab.
3. Click **Upload to Repository**.
4. From the **Repository File Creation Wizard**, select **Individual Files**, then click **Next**.
5. Retain the default selection and click **Next**.
6. Click **Upload** and locate and select the .jar file you downloaded.
7. Click **Submit** to add the specified file to the repository and click **Next** to continue.
8. After adding all the files you require, click **Next**.
9. In the **Name** field, enter a descriptive name for the zip file (for example, JDBCdriver). Click **Next**.
10. Click **Done** to complete the process. The newly added file is displayed in the **Name** field under **Add Connector JDBC Driver File**.
11. To apply the driver file, select the driver .zip file and click the up arrow to invoke the **Upload Container Files** wizard. Click **Next**.
12. Select one or more containers into which you want to upload the driver, then click **Next**.
13. Click **Done** to complete the process.
14. Add the connector through the Connector Appliance/ArcSight Management Center interface. For more information, see the *Connector Appliance/ArcSight Management Center Online Help*.

Device Event Mapping to ArcSight Fields

The following section lists the mappings of ArcSight data fields to the device's specific event definitions. See the *ArcSight Console User's Guide* for more information about the ArcSight data fields.

Novell Nsure Audit Mappings to ArcSight ESM Fields

ArcSight ESM Field	Device-Specific Field
Agent (Connector) Severity	High if Device Severity = 1, 2, or 3; Medium if Device Severity = 4 or 5; Low if Device Severity = 6, 7, or 8
Device Custom Number 1	Grouping
Device Custom Number 2	Value1
Device Custom Number 3	Value2
Device Custom String 1	Signature
Device Custom String 2	Text2
Device Custom String 3	MIME Type
Device Custom String 4	Data Size
Device Event Class Id	eventClassID
Device Product	'Nsure Audit Starter Pack'
Device Receipt Time	TimeStamp
Device Severity	Severity
Device Vendor	'Novell'
Message	Message
Name	eventName
Source Address	SourceIP
Source Process Name	srcProcName

Troubleshooting

"When I use the latest MySQL JDBC driver, the connector does not receive events."

Connector versions 7.2.4 and later use the latest MySQL JDBC driver. For connector versions 7.2.3 and earlier, you will need the MySQL 5.0.8 JDBC Driver, which you can download from:

<https://dev.mysql.com/downloads/connector/j/5.0.html>

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