

Sun™ Java™ Directory Server 5.2 Intelligent Event Module™

INTELLIGENT EVENT MODULE BASICS

The Sun Java Directory Server Intelligent Event Module (IEM) enables you to automate real-time monitoring of Sun™ Java™ Directory Servers (version 5.2) and capture the critical information you need for effective enterprise management.

The Sun Java Directory Server IEM provides *ConsoleWorks*® with a watch-list of text messages, including error codes, system warnings, and status alerts, produced by the Sun Java Directory Server running the Lightweight Directory Access Protocol (LDAP). *ConsoleWorks* watches for these messages, called Events, in the data streams of your managed systems.

Events

When *ConsoleWorks* detects an Event, it alerts you to the Event as it is happening, records the circumstances surrounding the Event, and automatically performs the default or customer-configured responses associated with that Event.

Scans

IEMs come with Events pre-arranged in logical groupings, called Scans™. Working with a Scan—or a combination of Scans—instead of hundreds of individual Events simplifies managing Events across your enterprise.

SUN JAVA DIRECTORY SERVER IEM AT A GLANCE

Events:	621
Scans:	1 Master Scan 2 Event Severity
Filename:	<code>cw_iem-sun_sldap-0001.bin</code>
License Required:	<code>CONWRKS-DB-SUNLDAP.lic</code>
Connector Required:	Syslog

USING THE SUN JAVA DIRECTORY SERVER IEM

To use this IEM, complete the following tasks:

1. Download the IEM from the TDi web site.
2. Import the IEM into *ConsoleWorks*.
3. Associate the Scans from the IEM with the systems you want to manage.

Download the IEM

You must obtain a license for the Sun Java Directory Server IEM prior to using the module. To obtain this license, contact your TDi Solutions Team Manager (sales@tditx.com).

To download IEM

1. On the main menu of the TDi web site (www.tditx.com), click **Support > Product Downloads**.
2. On the Connect to www.tditx.com dialog box, enter your User name and Password, and click **OK**. To obtain a User name and Password, contact TDi Support (support@tditx.com).
3. On the Support page, in the Product Downloads section, click the *ConsoleWorks* link appropriate for your version of *ConsoleWorks*.
4. On the Support page, in the *ConsoleWorks* Downloads section, under the Add-Ons heading, click **Intelligent Event Modules**.
5. On the Support page, in the *ConsoleWorks* Add-Ons section, locate and click **Sun Java Directory Server**.
6. Save the file (`cw_iem-sun_sldap-0001.bin`) to a directory accessible from your client workstation.

Import the IEM

1. On the *ConsoleWorks* main menu, click **admin > Database > Import IEM**.
2. On the Import IEM page, click **Browse**.
3. On the Choose file dialog box, locate and double-click `cw_iem-sun_sldap-0001.bin`.
4. On the Import IEM page, click **Import IEM**, and wait for the **IEM import completed** message to appear on the page before continuing to the next step.

Associate the Scans

Associate the Scans with the Sun Java Directory Server system you want *ConsoleWorks* to monitor. When you associate Scans with a system, you are specifying that *ConsoleWorks* scan the data streams of that system for the Events contained in the Scans.

ConsoleWorks provides you with three options for associating Scans:

- Associate individual Scans with one or more systems.
- Associate groups of Scans with one or more systems.
- Create a Scan containing only the Events you want monitored and associate this customized Scan with one or more systems.

Note: While you can associate any Scan with any application, system, or device, only associate a Scan with the application, system, or device appropriate for that Scan. For instance, associate only Cisco Scans with Cisco switches and only Sun Java Scans with Sun Java systems.

Example: To associate Scan SLDAP_MAJOR

1. On the ConsoleWorks main menu, click **manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **SLDAP_MAJOR**.
3. On the Scan: SLDAP_MAJOR page, in the Unassociated Consoles column, select the check boxes next to the names of the managed systems you want to associate with the Scan.
4. Click **Update Scan**.

For detailed instructions on associating Scans, please refer to the ConsoleWorks user guide.

SCANS AVAILABLE IN THE SUN JAVA DIRECTORY SERVER IEM

The Sun Java Directory Server IEM contains a Master Scan and two Event Severity Scans.

Master Scan

The Master Scan, *SLDAP*, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with a Sun Java Directory Server system, you are specifying that ConsoleWorks scan this system for all 621 Events contained in the IEM.

Event Severity Scans

The Sun Java Directory Server IEM contains two Event Severity Scans. Use these Scans to monitor a Sun Java Directory Server system for messages based on the Severity level of the Event.

The IEM provides the following Event Severity Scans:

- SLDAP_MAJOR: 620 Events
- SLDAP_WARNING: 1 Event

SAMPLE SUN JAVA DIRECTORY SERVER IEM EVENTS

The Sun Java Directory Server IEM provides you with names, message text, Severity ratings, causes, and recovery actions for Events produced by a Sun Java Directory Server system running LDAP.

The following section displays samples of the information you receive for each Event in the Sun Java Directory Server IEM.

Sample Event 1

Name:	SLDAP_4186
Message:	*** DISK FULL *** Attempting to shut down gracefully.
Severity:	MAJOR
Cause:	Possible causes are: <ul style="list-style-type: none">• Directory Server ran out of disk space.• Directory Server is not properly configured to access data in a backend.
Recovery Action:	<ol style="list-style-type: none">1. Provide more local disk space to Directory Server, if necessary.2. Check that nsslapd-backend is correctly set in the appropriate mapping tree entry under cn=config.3. Check that the backend state is set correctly.4. Check that the backend is not offline.

Sample Event 2

Name:	SLDAP_20507
Message:	Failed to create guardian file. Database corruption possible.
Severity:	MAJOR
Cause:	This is a file system error. The server was unable to create the required guardian file.
Recovery Action:	Check that the user specified at installation has the appropriate permissions to write to the database directory.

ADDITIONAL INFORMATION

For additional product information or to receive a free, live ConsoleWorks demonstration, please call 1.800.695.1258 or visit our web site at www.tditx.com.