



Intelligent Event Module™ for Sun™ Solaris™ 8

INTELLIGENT EVENT MODULE BASICS

The Sun Solaris 8 Intelligent Event Module (IEM) enables you to automate real-time monitoring of Sun™ Solaris™ operating system (versions 7 and 8) and capture the critical information you need for effective enterprise management.

The Sun Solaris 8 IEM provides ConsoleWorks® with a watch-list of text messages, including error codes, system warnings, and status alerts, produced by Solaris systems. 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 SOLARIS 8 IEM AT A GLANCE

Events:	439
Scans:	1 Master 5 Event Severity
Filename:	<code>cw_iem-sun_solaris8-0001.bin</code>
License Required:	<code>CONWRKS-DB-SOLARIS.lic</code>
Connector Required:	Serial

USING THE SUN SOLARIS 8 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.

To Download the IEM

1. Install the license for the Sun Solaris 8 IEM. To obtain this license, contact your TDi Solutions Team Manager (sales@tditx.com).
2. Move to the TDi web site (www.tditx.com/support_iemdownloads.asp).
3. On the Product Downloads page, locate and click **Sun Solaris 8 (includes Solaris 7)**.
4. In the Connect to support2.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).
5. Save the file (`cw_iem-sun_solaris8-0001.bin`) to a directory accessible from your client workstation.

To 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_solaris8-0001.bin`.
4. On the Import IEM page, click **Import IEM**, and wait for the **IEM import completed** message to appear on the page before associating the IEM's Scans.

To Associate the Scans

Associate the Scans with the Solaris systems 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.

Example: To associate SOL_CRITICAL Scan

1. On the ConsoleWorks main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **SOL_CRITICAL**.
3. On the Scan: SOL_CRITICAL 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's guide.



SCANS AVAILABLE IN THE SUN SOLARIS 8 IEM

The Sun Solaris 8 IEM contains a Master Scan and five Event Severity Scans.

Master Scan

The Master Scan, `SOL`, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with a system, you are specifying that *ConsoleWorks* scan the data streams of that system for any of the IEM's 439 Events.

Event Severity Scans

The Sun Solaris 8 IEM contains five Event Severity Scans. Use one or more of these Scans to monitor Solaris systems for Events based on their Severity level.

The IEM provides the following Event Severity Scans:

- SOL_CRITICAL 32 Events
- SOL_MAJOR 13 Events
- SOL_MINOR 2 Events
- SOL_WARNING 391 Events
- SOL_INFORMATIONAL 1 Event

SAMPLE SUN SOLARIS 8 IEM EVENTS

The Sun Solaris 8 IEM provides you with names, message texts, Severity ratings, causes, and recommended responses for Events produced by Solaris 7 and Solaris 8.

This section displays samples of the information you receive for each Event in the Sun Solaris 8 IEM.

Sample Event 1

Name: SOL_BUSEMESSEINTR
Message: Bus Error
Severity: CRITICAL
Cause: A process has received a signal indicating that it attempted to perform I/O to a device that is restricted or that does not exist. This message is usually accompanied by a core dump, except on read-only file systems.
Response: Use a debugger to examine the core file and determine what program fault or system problem led to the bus error. If possible, check the program's output files for data corruption that might have occurred before the bus error.

Sample Event 2

Name: SOL_NOSPLEFTONDE
Message: No space left on device
Severity: WARNING
Cause: While writing an ordinary file or creating a directory entry, there was no free space left on the device. The disk, tape, or diskette is full of data. Any data written to that device during this condition can be lost.
Response: Remove unneeded files from the hard disk or diskette until there is space for all the data you are writing. You also might move some directories onto another file system and create symbolic links accordingly. When a tape is full, continue on another one, use a higher-density setting, or obtain a higher-capacity tape.
To create multi-volume tapes or diskettes, use the `pax(1)` or `cpio(1)` command; `tar(1)` is still limited to a single volume.

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