



INTELLIGENT EVENT MODULE BASICS

The HP-UX 11i Intelligent Event Module (IEM) enables you to automate real-time monitoring of the HP-UX® 11i operating system and capture the critical information you need for effective enterprise management.

The HP-UX 11i IEM provides ConsoleWorks® with a watch list of text messages, including error codes, system warnings, and status alerts, produced by HP 9000 and HP Integrity systems running HP-UX 11i. 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.

Note: To scan for VERITAS Volume Manager™ Events, use the Symantec™ (VERITAS) Volume Manager IEM. To obtain this IEM, contact your TDi Solution Team Manager (sales@tditx.com).

HP-UX 11i IEM AT A GLANCE

Events:	3362
Scans:	1 Master 5 Event Severity
Filename:	<code>cw_iem-hp_hpux11-0004.bin</code>
License Required:	<code>CONWRKS-DB-HPUX.lic</code>
Connector Required:	SYSLOG

USING THE HP-UX 11i 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

1. Obtain a license for the HP-UX 11i 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 **HP-UX 11i**.
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-hp_hpux11-0004.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-hp_hpux11-0004.bin`.
4. On the Import IEM page, click **Import IEM**, and wait for the **IEM import completed** message to appear on the page before attempting to associate Scans.

Associate the Scans

Associate the Scans with the 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.

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 systems and HP-UX Scans with HP-UX systems.



Example: To associate Scan HPUX11_CRITICAL

1. On the ConsoleWorks main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **HPUX11_CRITICAL**.
3. On the Scan: HPUX11_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 guide.

SCANS AVAILABLE IN THE HP-UX 11i IEM

The HP-UX 11i IEM contains a Master Scan and five Event Severity Scans.

Master Scan

The Master Scan, **HPUX11**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with an HP-UX 11i system, you are specifying that ConsoleWorks scan the data stream of that system for all 3,362 Events.

Event Severity Scans

The HP-UX 11i IEM contains five Event Severity Scans. Use these Scans to monitor HP-UX 11i systems for messages based on the Severity level of the Event.

The IEM provides the following Event Severity Scans:

- HPUX11_CRITICAL 25 Events
- HPUX11_MAJOR 168 Events
- HPUX11_MINOR 11 Events
- HPUX11_WARNING 2394 Events
- HPUX11_INFORMATIONAL 764 Events

SAMPLE HP-UX 11i IEM EVENTS

The HP-UX 11i IEM provides you with names, message texts, Severity ratings, causes, and recommended responses for Events produced by systems running HP-UX 11i.

The following section displays samples of the information you receive for each Event in the HP-UX 11i IEM.

Sample Event 1

- Name:** HPUX11_DLM-7001
- Message:** **DLM clients not responding to DLMs' reconfiguration request in time. DLM Aborting.**
- Severity:** MAJOR
- Cause:** One or more of the dlm clients (OPS instance and OPS servers) is not responding to DLM's reconfiguration signals. When this happens, the clients that are not responding may be hung inside the kernel. This event causes the node to halt.
- Response:** Contact support personnel.

Sample Event 2

- Name:** HPUX11_DLM-2001
- Message:** **Unable to lock DLM daemons in memory.**
- Severity:** MINOR
- Cause:** Not enough lockable memory on your system.
- Response:** Shutdown cluster and increase memory on your system or reduce the lock database size, because this error can affect OPS performance.

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