



## INTELLIGENT EVENT MODULE BASICS

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

The HP-UX 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 UNIX®. 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.

## HP-UX IEM AT A GLANCE

Events:	2256
Scans:	1 Master
Filename:	<code>cw_iem-hp_hpux10-0003.bin</code>
License Required:	<code>CONWRKS-DB-HPUX.lic</code>
Connector Required:	Serial, Telnet

## USING THE HP-UX 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 Scan from the IEM with the systems you want to manage.

### To Download the IEM

1. Install the license for the HP-UX IEM. To obtain this license, contact your TDi Solutions Team Manager ([sales@tditx.com](mailto:sales@tditx.com)).
2. Move to the TDi web site ([www.tditx.com/support\\_iemdownloads.asp](http://www.tditx.com/support_iemdownloads.asp)).
3. On the Product Downloads page, locate and click **HP-UX 10 and earlier**.
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](mailto:support@tditx.com)).
5. Save the file (`cw_iem-hp_hpux10-0003.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-hp_hpux10-0003.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 Scan.

### To Associate the Scan

Associate the Scan with the HP-UX systems you want ConsoleWorks to monitor. When you associate a Scan with a system, you are specifying that ConsoleWorks scan the data streams of that system for the Events contained in the Scan.

For detailed instructions on associating a Scan, please refer to the ConsoleWorks user's guide.



## SCANS AVAILABLE IN THE HP-UX IEM

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The HP-UX IEM contains a single Scan, which can alert you to the following types of Events:

- HW Config Messages
- Diagnostic Messages
- Terminal IO Status Codes
- Terminal State Control Status Codes
- TTGEN Error Messages
- File Transfer Messages
- Session Messages
- Advanced Tape Services Messages
- Distributed Lock Manager DLM-GMS Error Messages
- Predictive Support File Transfer
- CTL Error Messages
- DATACOMM Error Messages
- EML Error Messages
- RTY Error Messages
- Error Messages
- Predictive Support Sys Console Error Messages
- Process Resource Error Messages
- ServiceGuard OPS DLM-GMS Error Messages
- Advanced Communications Controller
- Networks and Communications
- ISDN-ACC Kernel Messages
- ISDN-ACC User Messages
- Misc Protocol Error Status Messages
- PCAPTURE Messages
- PMON Internal Process Messages
- Port Configuration Status Codes
- Port Configuration Status Codes
- SNA-ACC Error Messages
- Virtual Circuit Status Messages
- WATCH Log Messages
- X-25 Link Status
- ZCOM Driver Messages
- ZCOM Error Codes
- ZMASTERD Log Messages
- ZMON Error Messages
- ZNODE Error Messages
- ZX25D System Messages

## SAMPLE HP-UX IEM EVENTS

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The HP-UX IEM provides you with names, message texts, causes, and recommended responses for Events produced by HP-UX.

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

### Sample Event 1

**Name:** HP\_356

**Message:** **File transfer could not be started due to lack of local resources.**

**Severity:** WARNING

**Cause:** The 3270 program cannot allocate enough memory for the data buffer needed for a file transfer process. This message occurs generally because too many other processes are running at the same time.

**Response:** Retry when other file transfer processes have finished or when fewer users are on the system. If this problem occurs repeatedly, contact your system administrator.

### Sample Event 2

**Name:** HP\_OPC40-0258

**Message:** **Connect to database failed.**

**Severity:** WARNING

**Cause:** An ITO process is not able to connect to the database.

**Response:** Check whether the database is running. If you have set database environment variables (**Oracle: ORACLE\_HOME, ORACLE\_SID, NLS\_LANG**), check if they are correct. If the environment variables are not set, the values in the hp OpenView database configuration file `/etc/opt/OV/share/conf/ovdbconf` are used.

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