



Intelligent Event Module™ for HP AlphaServer SRM

INTELLIGENT EVENT MODULE BASICS

The HP AlphaServer SRM Intelligent Event Module™ (IEM) enables you to automate real-time monitoring of HP AlphaServer systems and capture the critical information you need for effective enterprise management.

The HP AlphaServer SRM IEM provides ConsoleWorks® with a watch-list of text messages, including error codes, system warnings, and status alerts, produced by HP Alpha processor-based servers, SRM Console firmware, and workstation hardware. 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 ALPHASERVER SRM IEM AT A GLANCE

Events:	215
Scans:	1 Master 4 Event Severity
Filename:	<code>cw_iem-hp_alphasrm-0001.bin</code>
License Required:	<code>CONWRKS-DB-ALPHASRM.lic</code>
Connector Required:	Serial or Telnet

USING THE HP ALPHASERVER SRM 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 AlphaServer SRM 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 AlphaServer SRM**.
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_alphasrm-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-hp_alphasrm-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 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 Scans with HP systems.



Example: To associate Scan ALPHASRM_CRITICAL

1. On the ConsoleWorks main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **ALPHASRM_CRITICAL**.
3. On the Scan: ALPHASRM_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 ALPHASERVER SRM IEM

The HP AlphaServer SRM IEM contains a Master Scan and four Event Severity Scans.

Master Scan

The Master Scan, **ALPHASRM**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with an AlphaServer system, you are specifying that ConsoleWorks scan the data stream of that system for all 215 Events.

Event Severity Scans

The HP AlphaServer SRM IEM contains four Event Severity Scans. Use these Scans to monitor AlphaServer systems for messages based on the Severity level of the Events.

The IEM provides the following Event Severity Scans:

- ALPHASRM_CRITICAL 9 Events
- ALPHASRM_MINOR 21 Events
- ALPHASRM_WARNING 47 Events
- ALPHASRM_INFORMATIONAL 138 Events

HP ALPHASERVER SRM IEM EVENTS

The HP AlphaServer SRM IEM provides you with names, message texts, Severity ratings, causes, and recommended responses for Events produced by AlphaServer systems running SRM firmware.

The following actual Event displays a sample of the information you receive for each Event in the HP AlphaServer SRM IEM.

Event Sample

- Name:** ALPHASRM_CPUHALT
- Message:** halted CPU
- Severity:** CRITICAL
- Cause:** This is an Alpha Console-based message indicating the CPU has halted.
- Response:** If the server is not supposed to be halted, connect to the Console to determine the state of the server. The server may be down, crashing, or shutting down.

AlphaServer System Boot Prompt Event

The HP AlphaServer SRM IEM contains an Event for the SRM Console boot prompt. If you change the boot prompt, you must similarly change the Event's message text. Also, the Event's default message text matches the boot prompt from a single-processor machine. If you use the IEM to monitor a multi-processor machine, you must modify the Event's message text.

1. On the ConsoleWorks main menu, click **Manage > Events > Show Events**.
2. On the Show Events page, locate and click **ALPHASRM_BOOTPROMPT**.
3. In the Pattern text box, change the text from `^>>>` to one of the following messages:

- To trigger the Event when a boot prompt appears on any monitored processor:

`^P. .>>>`

- To trigger the Event when a boot prompt appears on a specific processor:

`^P00>>>`

Replace `00` with the CPU number of the processor.

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