



# Intelligent Event Module™ for Intel® Itanium® 2

## INTELLIGENT EVENT MODULE BASICS

The Intel Itanium 2 Intelligent Event Module (IEM) enables you to automate real-time monitoring of Intel® iLO® 2 and earlier versions of Intel's management processors and capture the critical information you need for effective enterprise management.

The Intel Itanium 2 IEM provides ConsoleWorks® with a watch-list of text messages, including error codes, device warnings, and status alerts, produced by the Intel management processor and the iLO 1 and iLO 2 processors. ConsoleWorks watches for these messages, called Events, in the data streams of your managed hardware devices.

### 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.

## INTEL ITANIUM 2 IEM AT A GLANCE

Events:	702
Scans:	1 Master
Filename:	<code>cw_iem-intel_itanium-0002.bin</code>
License Required:	<code>CONWRKS-DB-ITANIUM.lic</code>
Connector Required:	Syslog, Telnet or Telnet on Demand

## USING THE INTEL ITANIUM 2 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 devices you want to manage.

### Download the IEM

1. Obtain a license for the Intel Itanium 2 IEM. To obtain this license, contact TDI ([sales@tditx.com](mailto:sales@tditx.com)).
2. Connect 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 **Intel Itanium 2**.
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-intel_itanium-0002.bin`) to a directory accessible from your client workstation.

### Import the IEM

1. On the main menu:
  - (*ConsoleWorks 3.x*) click **Admin > Database > Import IEM**.
  - (*ConsoleWorks 4.0*) click **Events > IEMs**.
2. On the Import IEM page, click **Browse**.
3. On the Choose file dialog box, locate and double-click `cw_iem-intel_itanium-0002.bin`.
4. On the Import IEM page, click **Import IEM**, and wait for the **IEM Import Completed** or the **Import Successful** message to appear before attempting to associate Scans.

### Associate the Scan


Associate the Scans with the Intel hardware devices you want monitored. When you associate Scans with a device, you are specifying that ConsoleWorks scan the data streams of that device for the Events contained in the Scans.

### Example: To associate Scan ITNM\_WARNING (ConsoleWorks 3.x)

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



### Example: To associate Scan ITNM\_WARNING (ConsoleWorks 4.0)

1. On the main menu, click **Events > Scans > Edit**.  
*The Edit Scan page appears.*
2. On the Name drop-down list, click **ITNM\_WARNING**.
3. Click , then click **Add**.  
*The Add Consoles selector appears.*
4. Select the Consoles you want associated with the Scan, review your choices in the Selected Consoles window, and click **OK**.
5. Click **Save**.

### SCANS AVAILABLE IN THE INTEL ITANIUM 2 IEM

The Intel Itanium 2 IEM contains a Master Scan and five Event Severity Scans.

#### Master Scan

The Master Scan, **ITNM**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with a device, you are specifying that ConsoleWorks scan the data streams of that device for any of the IEM's 702 Events.

#### Event Severity Scans

The Intel Itanium 2 IEM contains five Event Severity Scans. Use one or more of these Scans to monitor devices for Events based on their Severity level.

The IEM provides the following Event Severity Scans:

- |                      |            |
|----------------------|------------|
| • ITNM_CRITICAL      | 56 Events  |
| • ITNM_MAJOR         | 33 Events  |
| • ITNM_MINOR         | 18 Events  |
| • ITNM_WARNING       | 382 Events |
| • ITNM_INFORMATIONAL | 213 Events |

### SAMPLE INTEL ITANIUM 2 IEM EVENTS

The Intel Itanium 2 IEM provides you with names, message texts, Severity ratings, explanations, and recommended responses for Events produced by IA-64 microprocessors.

This section displays samples of the information you receive for each Event in the Intel Itanium 2 IEM.

#### Sample Event 1

**Name:** ITNM\_WARNING\_42  
**Message:** [ 42 ] :  
**Severity:** WARNING  
**Explanation:** All CPUs are over clocked.  
**Response:** Check processor installation and match CPU part numbers. CPUs must be identical.

#### Sample Event 2

**Name:** ITNM\_WARNING\_13  
**Message:** [ 13 ] :  
**Severity:** WARNING  
**Explanation:** Communication with the BMC failed.  
**Response:** Replace the system board.

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