



INTELLIGENT EVENT MODULE BASICS

The HP Network Node Manager Intelligent Event Module™ (IEM) enables you to automate real-time monitoring of HP® network devices and capture the critical information you need for effective enterprise management.

The HP Network Node Manager IEM provides ConsoleWorks® with a watch-list of text messages drawn from the HP OpenView Management Information Base (MIB). ConsoleWorks watches for these messages, called Events, in the SNMP traps received from Network Node Manager.

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 NETWORK NODE MANAGER IEM AT A GLANCE

Events:	494
Scans:	1 Master 5 Event Severity
Filename:	<code>cw_iem-hp_netnode-0003.bin</code>
License Required:	<code>CONWRKS-DB-NETNODE.lic</code>
Connector Required:	SNMP Trap Receiver

USING THE HP NETWORK NODE MANAGER 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 Network Node Manager.

Download the IEM

1. Obtain a license for the HP Network Node Manager 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 Network Node Manager**.
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_netnode-0003.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_netnode-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 attempting to associate Scans.

Associate the Scans

Associate the Scans from the IEM with Network Node Manager. When you associate Scans with Network Node Manager, you are specifying that ConsoleWorks scan the traps it receives 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 only HP Scans with HP systems.



Example: To associate Scan NNM_CRITICAL

1. On the ConsoleWorks main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **NNM_CRITICAL**.
3. On the Scan: NNM_CRITICAL page, in the Unassociated Consoles column, select the **Network Node Manager** check box.
4. Click **Update Scan**.

For detailed instructions on associating Scans, please refer to the ConsoleWorks user guide.

SCANS AVAILABLE IN THE HP NETWORK NODE MANAGER IEM

The HP Network Node Manager IEM contains a Master Scan and five Event Severity Scans.

Master Scan

The Master Scan, **NNM**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with Network Node Manager, you are specifying that ConsoleWorks scan the SNMP traps from Network Node Manager for all 494 Events.

Event Severity Scans

The HP Network Node Manager IEM contains five Event Severity Scans. Use these Scans to monitor the SNMP traps from Network Node Manager for messages based on the Severity level of the Event.

The IEM provides the following Event Severity Scans:

- NNM_CRITICAL 33 Events
- NNM_MAJOR 36 Events
- NNM_MINOR 30 Events
- NNM_WARNING 70 Events
- NNM_NORMAL 325 Events

SAMPLE HP NETWORK NODE MANAGER IEM EVENTS

The HP Network Node Manager IEM provides you with names, message texts, Severity ratings, OIDs (Object Identifiers), and explanations for Events produced by Network Node Manager.

The following section displays samples of the information you receive for each Event in the HP Network Node Manager IEM.

Sample Event 1

Name: NNM_58982424_OV_CHASSIS_TEMPERA
Message: Chassis temperature fault
Enterprise: 1.3.6.1.4.1.11.2.17.1.0
Tag Value: *
Specific Value: 58982424
Severity: WARNING
OID: 1.3.6.1.4.1.11.2.17.1.0.58982424
Explanation: This event is generated by HP OpenView when it detects a fault in the chassis of a network device.

Sample Event 2

Name: NNM_40000020_OV_STATION_CRITICA
Message: Collection station Critical - not responding for four status checks.
Enterprise: 1.3.6.1.4.1.11.2.17.1.0
Tag Value: *
Specific Value: 40000020
Severity: CRITICAL
OID: 1.3.6.1.4.1.11.2.17.1.0.40000020
Explanation: This event is generated by HP OpenView when a remote collection status is changed to down/critical.

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