



Intelligent Event Module™ for HP® ProCurve

INTELLIGENT EVENT MODULE BASICS

The HP Procurve Intelligent Event Module (IEM) enables you to automate real-time monitoring of the HP® Procurve core fabric switches (8212zl series) and capture the critical information you need for effective enterprise management.

The HP Procurve IEM provides ConsoleWorks® with a watch-list of text messages, including error codes, switch warnings, and status alerts, produced by Procurve switches. ConsoleWorks watches for these messages, called Events, in the data streams of your managed switches.

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 PROCURVE IEM AT A GLANCE

Events:	621
Scans:	1 Master 5 Event Severity
Filename:	<code>cw_iem-hp_procurve-0001.bin</code>
License Required:	<code>CONWRKS-DB-PROCURVE.lic</code>
Connector Required:	Syslog, Telnet or Telnet on Demand

USING THE HP PROCURVE 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 switches you want to manage.

Download the IEM

1. Obtain a license for the HP Procurve IEM. To obtain this license, contact your TDI Regional Sales 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 Procurve**.
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_procurve-0001.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-hp_procurve-0001.bin`.
4. On the Import IEM page, click **Import IEM**, and wait for the **IEM Import Completed** message to appear before attempting to associate Scans.

Associate the Scan


Associate the Scans from the HP Procurve IEM with the ProCurve switches you want monitored. When you associate Scans with a switch, you are specifying that ConsoleWorks scan the data streams of that switch for the Events contained in the Scans.

Example: To associate Scan PROCURVE_FATAL (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 **PROCURVE_FATAL**.
3. On the Scan: PROCURVE_FATAL page, in the Unassociated Consoles column, select the check boxes next to the names of the managed switches you want to associate with the Scan.
4. Click **Update Scan**.



Example: To associate Scan PROCURVE_FATAL (ConsoleWorks 4.1)

1. On the main menu, click **Events > Scans > Edit**.
The Edit Scan page appears.
2. On the Name drop-down list, click **PROCURVE_FATAL**.
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 HP PROCURVE IEM

The HP Procurve IEM contains a Master Scan and five Event Severity Scans.

Master Scan

The Master Scan, **PROCURVE**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with a switch, you are specifying that ConsoleWorks scan the data streams of that switch for any of the IEM's 621 Events.

Event Severity Scans

The HP Procurve IEM contains five Event Severity Scans. Use one or more of these Scans to monitor ProCurve switches for Events based on their Severity level.

The IEM provides the following Event Severity Scans:

- | | |
|--------------------------|------------|
| • PROCURVE_FATAL | 32 Events |
| • PROCURVE_WARNING | 294 Events |
| • PROCURVE_INFORMATIONAL | 266 Events |
| • PROCURVE_STANDARD | 19 Events |
| • PROCURVE_DEBUG | 10 Events |

SAMPLE HP PROCURVE IEM EVENTS

The HP Procurve IEM provides you with names, message texts, Severity ratings, and explanations for Events produced by the ProCurve switches.

This section displays samples of the information you receive for each Event in the HP Procurve IEM.

Sample Event 1

Name: PROCURVE_IP_DUPLICATE_NET
Message: Duplicate IP network
Severity: FATAL
Explanation: There are two networks with the same IP address.

Sample Event 2

Name: PROCURVE_COS_MASKS_EXCEEDED
Message: Too many QoS features enabled, mask resources exceeded
Severity: WARNING
Explanation: Some of the items configured for Class of Service (QoS) will not be working. The maximum resources available have been exceeded.

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