



INTELLIGENT EVENT MODULE BASICS

The Brocade SilkWorm 4.4.0 Intelligent Event Module™ (IEM) enables you to automate real-time monitoring of the SilkWorm® fabric switches running the Brocade® Fabric operating system (Fabric OS) 4.4.0 and capture the critical information you need for effective enterprise management.

The Brocade SilkWorm 4.4.0 IEM provides *ConsoleWorks*® with a watch-list of text messages, including error codes, component warnings, and status alerts, produced by SilkWorm fabric 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.

BROCADE SILKWORM 4.4.0 IEM AT A GLANCE

Events:	777
Scans:	1 Master 4 Event Severity
Filename:	<code>cw_iem- fa_brocade44- 0000.bin</code>
License Required:	<code>CONWRKS-DB-BROCADE.lic</code>
Connector Required:	Syslog

USING THE BROCADE SILKWORM 4.4.0 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.

To Download the IEM

1. Install the license for the Brocade SilkWorm 4.4.0 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 **Brocade SilkWorm 4.4**.
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-fa_brocade44-0000.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-fa_brocade44-0000.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 Scans.

To Associate the Scans

Associate the Scans with the switches you want *ConsoleWorks* to monitor. 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 BROCADE_CRITICAL

1. On the *ConsoleWorks* main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **BROCADE_CRITICAL**.
3. On the Scan: BROCADE_CRITICAL 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**.

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



SCANS AVAILABLE IN THE BROCADE SILKWORM 4.4.0 IEM

The Brocade SilkWorm 4.4.0 IEM contains a Master Scan and four Event Severity Scans.

Master Scan

The Master Scan, **BROCADE**, 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 stream of that switch for all of the IEM's 777 Events.

Event Severity Scans

The Brocade SilkWorm 4.4.0 IEM contains four Event Severity Scans. Use these Scans to monitor Brocade fabric switches for messages based on the Severity levels of Events.

The IEM provides the following Event Severity Scans:

- BROCADE_CRITICAL 53 Events
- BROCADE_ERROR 200 Events
- BROCADE_WARNING 201 Events
- BROCADE_INFO 323 Events

SAMPLE BROCADE SILKWORM 4.4.0 IEM EVENTS

The Brocade SilkWorm 4.4.0 IEM provides you with names, message texts, Severity ratings, probable causes, explanations, and responses for Events produced by Brocade switches running Fabric OS 4.4.0.

The following section displays samples of the information you receive for each Event in the Brocade SilkWorm 4.4.0 IEM.

Sample Event 1

Name: BROCADE_BL_1010

Message: [BL-1010]

Severity: WARNING

Explanation: Blade in slot <slot_number> inconsistent with the hardware settings.

Probable Cause: A failover occurred while some hardware changes were being made on the previously active CP (such as changing the domain ID).

Response: No action is required. This blade has been reinitialized. Because reinitializing a blade is a disruptive operation and can stop I/O traffic, you might have to stop and restart the traffic during this process.

Sample Event 2

Name: BROCADE_BL_1003

Message: [BL-1003]

Severity: CRITICAL

Explanation: Faulting blade in slot <slot_number>.

Probable Cause: Indicates a faulty blade in the specified slot number. This message occurs on only the SilkWorm 12000 and 24000.

Response: Make sure that the blade is seated correctly. If the blade is seated correctly, reboot or power cycle the blade. Run the systemVerification command to verify that the blade does not have hardware problems. Refer to the Fabric OS Command Reference Manual for more information on this command. If the message persists, replace the blade.

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