



INTELLIGENT EVENT MODULE BASICS

The Brocade Silkworm 3.0 Intelligent Event Module (IEM) enables you to automate real-time monitoring of Silkworm® fabric switches running the Brocade® Fabric operating system (version 3.0) and capture the critical information you need for effective enterprise management.

The Brocade Silkworm 3.0 IEM provides ConsoleWorks® with a watch-list of text messages, including error codes and system alerts, produced by Silkworm switches. ConsoleWorks watches for these messages, called Events, in the data streams of your managed assets.

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 3.0 IEM AT A GLANCE

Events:	87
Scans:	1 Master 2 Event Severity
Filename:	<code>cw_iem-fa_brocade30-0002.bin</code>
License Required:	<code>CONWRKS-DB-BROCADE.lic</code>
Connector Required:	Syslog

USING THE BROCADE SILKWORM 3.0 IEM

To use this IEM, complete the following tasks:

1. Download the IEM from the TDI website.
2. Import the IEM into ConsoleWorks.
3. Associate the Scans from the IEM with the switches you want to manage.

Download the IEM

1. Install the license for the Brocade Silkworm 3.0 IEM. To obtain this license, contact TDI (sales@tditx.com).
2. Connect to the TDI website (www.tditx.com/support_iemdownloads.asp).
3. On the Product Downloads page, locate and click **Brocade Silkworm 3.0**.
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_brocade30-0002.bin`) to a directory accessible from your client workstation.

Import the IEM

1. On the main menu:
 - (*ConsoleWorks 3*) Click **Admin > Database > Import IEM**.
 - (*ConsoleWorks 4*) Click **EVENTS > IEMs**.
2. On the Import IEM page, click **Browse**.
3. On the Choose file dialog box, locate and double-click `cw_iem-fa_brocade30-0002.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 the IEM's Scans.

Associate the Scans

Associate the Scans with the fabric 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.

(*ConsoleWorks 3*) Example: To associate Scan DIAG-BADINT


1. On the *ConsoleWorks* main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **DIAG-BADINT**.



- On the Scan: DIAG-BADINT 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.
- Click **Update Scan**.

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

(ConsoleWorks 4) Example: To associate Scan DIAG-BADINT

- On the main menu, click **EVENTS > Scans > Edit**.
The Edit Scan page appears.
- On the Name drop-down list, click **DIAG-BADINT**.
- Click , then click **Add**.
The Add Consoles selector appears.
- Double-click the Consoles you want associated with the Scan, review your choices in the Selected Consoles window, and click **OK**.
- Click **Save**.

SCANS AVAILABLE IN THE BROCADE SILKWORM 3.0 IEM

The Brocade Silkworm 3.0 IEM contains a Master Scan and two 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 streams of that switch for any of the IEM's 87 Events.

Event Severity Scans

The Brocade Silkworm 3.0 IEM contains two Event Severity Scans. Use one or more of these Scans to monitor Silkworm data streams for Events based on their Severity level.

The IEM provides the following Event Severity Scans:

- BROCADE_FAILURE** 85 Events
- BROCADE_INFORMATIONAL** 2 Events

SAMPLE BROCADE SILKWORM 3.0 IEM EVENTS

The Brocade Silkworm 3.0 IEM provides you with names, message texts, Severity ratings, explanations, causes, and user responses for Events produced by fabric switches.

This section displays samples of the information you receive for each Event in the Brocade Silkworm 3.0 IEM.

Sample Event 1

Name: DIAG-BADINT
Message: Err#1030
Severity: FAILURE
Explanation: Port received an unexpected interrupt.
Cause: ASIC failure
User Action: Replace mainboard assembly.

Sample Event 2

Name: DIAG-DATA
Message: Err#266E
Severity: FAILURE
Explanation: Payload received by port did not match payload transmitted.
Cause: mainboard, GBIC module or fiber cable failure
User Action: Replace mainboard assembly, GBIC module or fiber cable.

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