



## INTELLIGENT EVENT MODULE BASICS

The Brocade Silkworm 4.1 Intelligent Event Module™ (IEM) enables you to automate real-time monitoring of Brocade® SAN fabric switches running the Silkworm® operating system and reporting via unsolicited SNMP traps. The IEM supplies you with the critical information you need for effective enterprise management.

The Brocade Silkworm 4.1 IEM provides *ConsoleWorks*® with a watch-list of text messages, including error messages, system warnings, and status alerts, known as Events. *ConsoleWorks* watches for these Events in the SNMP traps received from agents running on 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 4.1 IEM AT A GLANCE

Events:	55
Scans:	5
Filename:	<code>cw_iem-fa_brocade_snmp-0000.bin</code>
License Required:	<code>CONWRKS-DB-BROCADE.lic</code>
Connector Required:	Pseudo Console or SNMP Trap Receiver

## USING THE BROCADE SNMP 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 4.1 IEM. To obtain this license, contact your TDi Solutions Team Manager ([sales@tditx.com](mailto:sales@tditx.com)).
2. Move 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 **Brocade Silkworm 4.1 (SNMP)**.
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-fa_brocade_snmp-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_brocade_snmp-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\_SNMPR

1. On the *ConsoleWorks* main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **BROCADE\_SNMPR**.
3. On the Scan: BROCADE\_SNMPR 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 4.1 IEM

The Brocade Silkorm 4.1 IEM contains five Scans.

Scan	Description
BROCADE_SNMPR	SNMP traps as defined by the Brocade MIB
BROCADE_SNMPS	Representations of SNMP traps (requires MIBs loaded in a trap receiver)
BROCADE_SNMPT	Trap Events for the TDi Trap Receiver
BROCADE_SNMPU	Trap Events for UNIX
BROCADE_SNMPV	Trap Events for HP OpenVMS

## SAMPLE BROCADE SILKWORM 4.1 IEM EVENTS

The Brocade Silkorm 4.1 IEM provides you with names, explanations, probable causes, and responses for all 55 Events.

The following section displays samples of the information you receive for each Event in the Brocade Silkorm 4.1 IEM.

### Sample Event 1

**Name:** BSNMP\_FAULT

**Explanation:** A swFault is generated whenever the diagnostics detect a fault with the switch.

**Probable**

**Cause:** The swFault trap reports values.

**Response:** Review the value of swDiagResult and determine the problem and correction from the value.

### Sample Event 2

**Name:** BSNMP\_UDELETED

**Explanation:** A connUnitDeletedTrap occurs when a connUnit has been deleted from the agent.

**Probable**

**Cause:** Output of generated connUnitDeletedTrap

**Response:** Review the value of connUnitId to determine which connUnit has been deleted.

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