

Brocade® SNMP Intelligent Event Module™

Intelligent Event Module Basics

The Brocade SNMP Intelligent Event Module (IEM) enables you to automate real-time monitoring of Brocade® SAN fabric switches and capture the critical information you need for effective enterprise management.

Events

The Brocade SNMP IEM provides *ConsoleWorks*® with a watch-list of text messages produced by unsolicited SNMP traps sent from Brocade SAN fabric switches. These messages, called Events, include error codes, system warnings, and status alerts. *ConsoleWorks* uses Events as the targets that it scans for in the data streams of your managed devices.

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 and 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 SNMP IEM at a Glance

Events:	55
Scans:	5
Filename:	cw_scan-brocade_snmp.bin
License Required:	CONWRKS-DB-BROCADE.lic
Connector/Console Required:	Pseudo Console or SNMP Trap Receiver

Using the Brocade SNMP IEM

To use this IEM, download it from the TDi web site, import it into *ConsoleWorks*, and then associate Scans from the IEM with the switches you want to manage.

When you associate Scans with a switch, you are specifying that *ConsoleWorks* monitor the data streams of this switch for the Events contained in those Scans.

Note: You must obtain a license for the Brocade IEM prior to using the module. The same license can be used to run the Brocade SNMP IEM and the Brocade IEM. To obtain the license, contact your TDi sales representative (sales@tditx.com).

Download the IEM

1. On the TDi website (www.tditx.com), click **Customer Care > Downloads > Servers/IEM**.
2. On the Customer Downloads page, click the [ConsoleWorks](#) link appropriate for your version of *ConsoleWorks*.
3. On the Connect to support2.tditx.com dialog box, enter your user name and password. To obtain a user name and password, contact a Customer Care specialist (support@tditx.com).
4. On the Software Support Downloads page, click the [Intelligent Event Modules](#) link.
5. Locate the row for Brocade SNMP IEM.
6. In the Link column for that row, click [BIN](#).
7. Save the file (cw_scan-brocade_snmp.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. Locate and click **cw_scan-brocade_snmp.bin**.
4. Click the **Import** button.

Associate the Scans

Associate the Scans with the switch you want *ConsoleWorks* to monitor. *ConsoleWorks* offers you the following options for associating Scans:

- Associate individual Scans with one or more switches.
- Associate multiple Scans with one or more switches.
- Create a Scan containing only the Events you want monitored and associate this customized Scan with one or more switches.

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 switches and Brocade Scans with Brocade switches.

For detailed instructions on associating Scans, please refer to the *ConsoleWorks Admin/User Guide*.

Scans Available in the Brocade SNMP IEM

The Brocade SNMP IEM contains five Scans.

Review the Scans detailed below for the ones that best suit the needs of your enterprise.

With this Scan:	ConsoleWorks scans for:
BROCADE_SNMPR	SNMP traps as defined by the Brocade MIBs
BROCADE_SNMPS	symbolic 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

Additional Information

For additional product information or to receive a free, live ConsoleWorks demonstration, please call 1.800.695.1258 or visit our website at www.tditx.com.

Sample Events

The Brocade SNMP IEM provides you with names, messages, explanations, causes, and recommended responses for all 55 SNMP Events.

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

Sample Event 1

Event Name:	BSNMP_FAULT
Explanation:	A swFault is generated whenever the diagnostics detect a fault with the switch.
Cause:	The swFault trap reports values.
Response:	Review the value of swDiagResult and determine the problem and correction from the value.

Sample Event 2

Event Name:	BSNMP_UDELETED
Explanation:	A connUnitDeletedTrap indicates a connUnit has been deleted from the agent.
Cause:	Output of generated connUnitDeletedTrap.
Response:	Review the value of connUnitId to determine which connUnit has been deleted.