



## INTELLIGENT EVENT MODULE BASICS

The F5 BIG-IP Intelligent Event Module (IEM) enables you to automate real-time monitoring of F5® BIG-IP® systems and capture the critical information you need for effective enterprise management.

The F5 BIG-IP IEM provides ConsoleWorks® with a watch-list of text messages drawn from the OIDs (object identifiers) of the BIG-IP system. ConsoleWorks watches for these messages, called Events, in the SNMP notifications (*traps*) received from agents running on your managed systems.

### 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.

## F5 BIG-IP IEM AT A GLANCE

Events:	45
Scans:	1 Master 2 Event Severity
Filename:	<code>cw_iem-f5_bigip-0002.bin</code>
License Required:	<code>CONWRKS-DB-F5BIGIP.lic</code>
Connector Required:	SNMP

## USING THE F5 BIG-IP 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 systems you want to manage.

### To Download the IEM

1. Install the license for the F5 BIG-IP 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 **F5 BIG-IP**.
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-f5_bigip-0002.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-f5_bigip-0002.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 IEM's Scans.

### To Associate the Scans

Associate the Scans with the systems you want ConsoleWorks to monitor. When you associate Scans with a system, you are specifying that ConsoleWorks scan the data streams of that system for the Events contained in the Scans.

#### Example: To associate Scan F5\_MAJOR

1. On the ConsoleWorks main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **F5\_MAJOR**.
3. On the Scan: F5\_MAJOR page, in the Unassociated Consoles column, select the check boxes next to the names of the managed systems 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 F5 BIG-IP IEM

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The F5 BIG-IP IEM contains a Master Scan and two Event Severity Scans.

### Master Scan

The Master Scan, **F5**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with a system, you are specifying that *ConsoleWorks* scan the data stream of that system for all of the IEM's 45 Events.

### Event Severity Scans

The F5 BIG-IP IEM contains two Event Severity Scans. Use these Scans to monitor SNMP traps from an F5 BIG-IP system for messages based on the Severity levels of Events.

The IEM provides the following Event Severity Scans:

- **F5\_MAJOR** 8 Events
- **F5\_WARNING** 37 Events

## SAMPLE F5 BIG-IP IEM EVENTS

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The F5 BIG-IP IEM provides you with names, message texts, Severity ratings, OIDs, and explanations for Events produced by F5 BIG-IP systems.

The following section contain actual Events that illustrate some of the information you receive for each Event in the F5 BIG-IP IEM.

### Sample Event 1

**Name:** F5\_010\_BIGIPSERVICEDOWN  
**Message:** 1.3.6.1.4.1.45.5.3375.2.4.0  
**Tag Value:** \*  
**Specific Value:** 10  
**Severity:** WARNING  
**OID:** 1.3.6.1.4.1.45.5.3375.2.4.0.10  
**Explanation:** A service is detected DOWN.

### Sample Event 2

**Name:** F5\_007\_LOADBALTRAPREMOVEUNIT  
**Message:** 1.3.6.1.4.1.3375.1.1  
**Tag Value:** \*  
**Specific Value:** 7  
**Severity:** MAJOR  
**OID:** 1.3.6.1.4.1.3375.1.1.7  
**Explanation:** Removing unit. Potential failover of this BIG-IP.

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