



## INTELLIGENT EVENT MODULE BASICS

The Apache HTTP Server 2.0 Intelligent Event Module (IEM) enables you to automate real-time monitoring of Apache web servers and capture the critical information you need for effective enterprise management.

The Apache HTTP Server 2.0 IEM provides *ConsoleWorks*® with a watch-list of text messages, including error codes, system warnings, and status alerts, produced by the Apache HTTP server (version 2.0) daemon. *ConsoleWorks* watches for these messages, called Events, in the data streams of your managed applications.

### 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.

## APACHE HTTP SERVER 2.0 IEM AT A GLANCE

Apache Version:	2.0.49
Events:	1158
Scans:	1 Master 5 Event Severity
Filename:	<code>cw_iem-apache_httpd2-0001.bin</code>
License Required:	<code>CONWRKS-DB-APACHE.lic</code>
Connector Required:	Syslog

## USING THE APACHE HTTP SERVER 2.0 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 web servers you want to manage.

### To Download the IEM

1. Install the license for the Apache HTTP Server 2.0 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 **Apache HTTP Server 2.0**.
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](mailto:support@tditx.com)).
5. Save the file (`cw_iem-apache_httpd2-0001.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-apache_httpd2-0001.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 web servers you want *ConsoleWorks* to monitor. When you associate Scans with a web server, you are specifying that *ConsoleWorks* scan the data streams of that web server for the Events contained in the Scans.

#### Example: To associate HTTPD2\_WARNING Scan

1. On the *ConsoleWorks* main menu, click **Manage > Scans > Show Scans**.
2. On the Show Scans page, in the Scans column, click **HTTPD2\_WARNING**.
3. On the Scan: HTTPD2\_WARNING page, in the Unassociated Consoles column, select the check boxes next to the names of the managed servers 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 APACHE HTTP SERVER 2.0 IEM

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The Apache HTTP Server 2.0 IEM contains a Master Scan and five Event Severity Scans.

### Master Scan

The Master Scan, **HTTPD2**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with a server, you are specifying that *ConsoleWorks* scan the data streams of that server for any of the IEM's 1,158 Events.

### Event Severity Scans

The Apache HTTP Server 2.0 IEM contains five Event Severity Scans. Use one or more of these Scans to monitor web servers for Events based on their Severity level.

The IEM provides the following Event Severity Scans:

- HTTPD2\_CRITICAL 135 Events
- HTTPD2\_MAJOR 100 Events
- HTTPD2\_MINOR 412 Events
- HTTPD2\_WARNING 149 Events
- HTTPD2\_INFORMATIONAL 362 Events

## SAMPLE APACHE HTTP SERVER 2.0 IEM EVENTS

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The Apache HTTP Server 2.0 IEM provides you with names, message texts, Severity ratings, and explanations for Events produced by Apache web servers.

The following section displays samples of the information you receive for each Event in the Apache HTTP Server 2.0 IEM.

### Sample Event 1

**Name:** HTTPD2\_NOTCREWATCHWINDOW  
**Message:** Could not create WatchWindow  
**Severity:** CRITICAL  
**Explanation:** This message is generated in file *server/mpm/winnt/service.c* at line number 239.

### Sample Event 2

**Name:** HTTPD2\_CLTSENTMALFORMED  
**Message:** Client sent malformed Host header  
**Severity:** MINOR  
**Explanation:** This message is generated in file *server/vhost.c* at line number 762.

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