



## INTELLIGENT EVENT MODULE BASICS

The VMware VirtualCenter Intelligent Event Module (IEM) enables you to automate real-time monitoring of VMware® ESX Server and VMware VirtualCenter and capture the critical information you need for effective virtualized enterprise management.

The VMware VirtualCenter IEM provides ConsoleWorks® with a watch-list of text messages, including error codes, system warnings, and status alerts, produced by the VMware ESX Server and VMware VirtualCenter. ConsoleWorks watches for these messages, called Events, in the data streams of your managed virtualized 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.

## VMWARE VIRTUALCENTER IEM AT A GLANCE

Events:	232
Scans:	1 Master 4 Event Severity
Filename:	<code>cw_iem-vmware_vc-0001.bin</code>
License Required:	<code>CONWRKS-DB-VMWARE.lic</code>
Connector Required:	ESXCON

## USING THE VMWARE VIRTUALCENTER 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 assets you want to manage.

## Download the IEM

1. Obtain a license for the VMware VirtualCenter IEM. To obtain this license, contact TDI ([sales@tditx.com](mailto:sales@tditx.com)).
2. Connect 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 **VMware VirtualCenter**.
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-vmware_vc-0001.bin`) to a directory accessible from your client workstation.


## Import the IEM

1. On the ConsoleWorks menu, click **Events > IEMs**.
2. On the Import IEM page, click **Browse**.
3. On the Choose file dialog box, locate and double-click `cw_iem-vmware_vc-0001.bin`.
4. On the Import IEM page, click **Import IEM**, and wait for the **IEM Import Complete** message to appear before attempting to associate Scans.

## Associate the Scan

Associate the Scans with the virtualized assets you want to monitor. When you associate Scans with an asset, you are specifying that ConsoleWorks scan the data streams of that asset for the Events contained in the Scans.

### Example: To associate Scan VMWARE\_ERROR (ConsoleWorks 4.0)

1. On the main menu, click **Events > Scans > Edit**.  
*The Edit Scan page appears.*
2. On the Name drop-down list, click **VMWARE\_ERROR**.
3. Click  , then click **Add**.  
*The Add Consoles selector appears.*
4. Select the Consoles you want associated with the Scan, review your choices in the Selected Consoles window, and click **OK**.
5. Click **Save**.



## SCANS AVAILABLE IN THE VMWARE VIRTUALCENTER IEM

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The VMware VirtualCenter IEM contains a Master Scan and four Event Severity Scans.

### Master Scan

The Master Scan, **VMWARE**, is the top-level Scan. It references all the other Scans in the IEM. When you associate the Master Scan with an asset, you are specifying that ConsoleWorks scan the data streams of that asset for any of the IEM's 232 Events.

### Event Severity Scans

The VMware VirtualCenter IEM contains four Event Severity Scans. Use one or more of these Scans to monitor assets for Events based on their Severity level.

The IEM provides the following Event Severity Scans:

- |                        |            |
|------------------------|------------|
| • VMWARE_ERROR         | 68 Events  |
| • VMWARE_WARNING       | 16 Events  |
| • VMWARE_INFORMATIONAL | 146 Events |
| • VMWARE_USER          | 2 Events   |

## SAMPLE VMWARE VIRTUALCENTER IEM EVENTS

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The VMware VirtualCenter IEM provides you with names, message texts, Severity ratings, and explanations for Events produced by the VMware ESX Server and VMware VirtualCenter.

This section displays samples of the information you receive for each Event in the VMware VirtualCenter IEM.

### Sample Event 1

**Name:** VMWARE\_HOSTCONNECTIONLOST  
**Message:** HostConnectionLostEvent  
**Severity:** ERROR  
**Explanation:** Host (*host.name*) in datacenter (*datacenter.name*) is not responding.

### Sample Event 2

**Name:** VMWARE\_VMFAILEDMIGRATE  
**Message:** HostConnectionLostEvent  
**Severity:** ERROR  
**Explanation:** Failed to migrate Virtual Machine (*vm.name*) from host (*host.name*) to destination host (*destHost.name*) in datacenter (*datacenter.name*).

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