

Version 4.1



OMEGAMON XE for CICS on z/OS V4.1 Interim Feature: TEC Integration

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Note

Before using this information and the product it supports, read the information in “Notices” on page 9.

This edition applies to version 4.1 of OMEGAMON XE for CICS on z/OS (program number 5698-A32) and to all subsequent releases and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of the product.

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Chapter 1. Enhancements in this interim feature

This document describes the installation and use of the baroc and map files supplied with this OMEGAMON® XE for CICS® on z/OS® interim feature to enable event notification from the Tivoli® Enterprise Portal to the Tivoli Enterprise Console®, for sites that use both products. By integrating these products, you can manage events occurring in your monitored environment from a single console, the Tivoli Enterprise Console.

To accomplish this product integration, you must:

1. Install the product baroc file into the Tivoli Enterprise Console server and update its rule base.
2. Reconfigure your Tivoli Enterprise Monitoring Server to include the Tivoli Enterprise Console Event Integration Facility.
3. Integrate the Tivoli Enterprise Console GUI with the Tivoli Enterprise Portal Server and the Tivoli Enterprise Portal desktop client.

Chapter 2, “Steps for integrating the Tivoli Enterprise Portal and the Tivoli Enterprise Console,” on page 3 describes this procedure in detail.

Note: These instructions assume your site has already installed and is running Tivoli Enterprise Console on a server in your network.

Chapter 2. Steps for integrating the Tivoli Enterprise Portal and the Tivoli Enterprise Console

Integrating the Tivoli Enterprise Portal and the Tivoli Enterprise Console requires three steps:

1. Installing the product baroc file into the Tivoli Enterprise Console server and updating its rule base.
2. Reconfiguring your Tivoli Enterprise Monitoring Server to include the Tivoli Enterprise Console Event Integration Facility.
3. Integrating the Tivoli Enterprise Console GUI into the Tivoli Enterprise Portal Server and the Tivoli Enterprise Portal desktop client.

Installing the OMEGAMON XE for CICS on z/OS baroc file on the Tivoli Enterprise Console server and loading the updated rule base

Before initiating the following procedure, ensure file kcp.map (the OMEGAMON XE for CICS on z/OS map file for Tivoli Enterprise Console integration) exists in this directory for the distributed Tivoli Enterprise Monitoring Server you plan to use for communicating events to the Tivoli Enterprise Console server:

C:\IBM\ITM\CMS\TECLIB

1. To set up the required environment variables, issue the following command from a command window (cmd.exe) at the Tivoli Enterprise Console server:

```
c:\windows\system32\drivers\etc\Tivoli\setup_env.cmd
```

2. Open a UNIX® Bourne-again shell:

```
bash
```

3. To update the Tivoli Enterprise Console rule base with the OMEGAMON XE for CICS on z/OS baroc file (kcp.baroc), issue the following command:

```
wrb -imprbclass <baroc_directory> <rule_base>
```

where <rule_base> is either your site's Tivoli Enterprise Console rule base or a new one you created specifically for the zSeries® OMEGAMON monitors (recommended).

Note: You must change the usual Windows® backslash (\) to the UNIX forward slash (/). Example:

```
wrb -imprbclass C:/IBM/ITM/CMS/TECLIB/kcp.baroc OmTEC
```

4. To compile the updated rule base, issue the following command:

```
wrb -comprules <rule_base>
```

Example:

```
wrb -comprules OmTEC
```

5. To load the compiled rule base, issue the following command:

```
wrb -loadwrb <rule_base>
```

Example:

```
wrb -loadrb OmTEC
```

6. Recycle the Tivoli Enterprise Console server:

```
wstopesvr  
wstartesvr
```

Reconfiguring the Tivoli Enterprise Monitoring Server to include the Tivoli Enterprise Console Event Integration Facility

Using Manage Tivoli Enterprise Monitoring Services, right-click your Tivoli Enterprise Monitoring Server, and select Reconfigure from the pop-up menu. Figure 1 shows the resulting pop-up window.

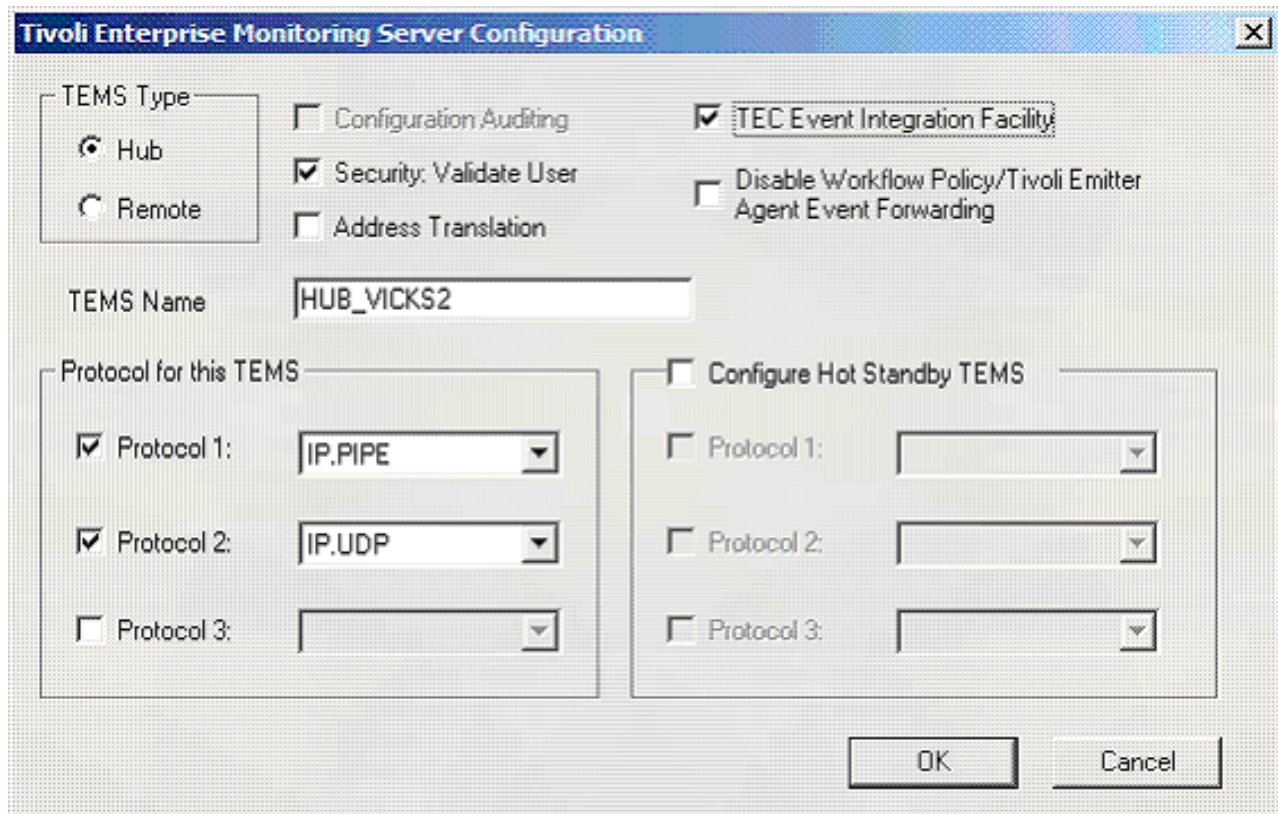


Figure 1. Tivoli Enterprise Monitoring Server reconfiguration screen

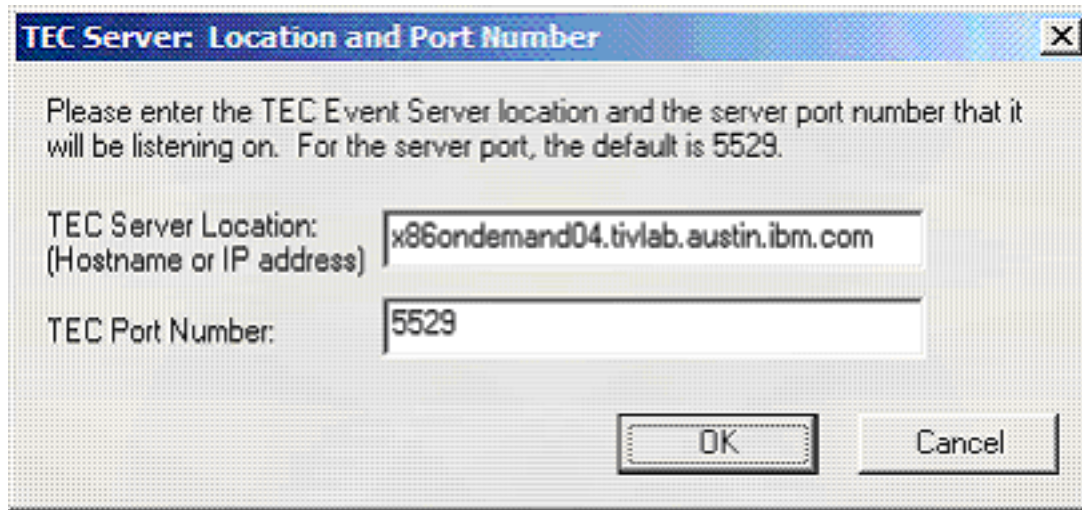
Activate the TEC Event Integration Facility option as shown. Press OK and then OK again.

The Tivoli Enterprise Console Event Integration Facility (EIF) is an application programming interface (API) that external applications can use to create, send, or receive Tivoli Enterprise Console events. These events are in the same format as Tivoli Enterprise Console events and are referred to as either EIF events or TEC/EIF events. For complete information about EIF, see the *IBM Tivoli Enterprise Console Event Integration Facility Reference*.

The severity of OMEGAMON XE for CICS on z/OS EIF events is determined as follows:

1. If the situation name's suffix is either `_Warn` or `_Warning`, the EIF event severity is set to `WARNING`. If the suffix is either `_Crit` or `_Critical`, the severity is set to `CRITICAL`.
2. If the severity cannot be determined from the situation name's suffix, a severity of `UNKNOWN` is assumed. To avoid this, copy the situation, and rename it, adding a suffix of either `_Warn` or `_Crit`, as appropriate.

You are prompted for the Tivoli Enterprise Console event server's location (hostname or IP address) and port number; see Figure 2.



TEC Server: Location and Port Number

Please enter the TEC Event Server location and the server port number that it will be listening on. For the server port, the default is 5529.

TEC Server Location:
(Hostname or IP address)

TEC Port Number:

Figure 2. Tivoli Enterprise Console server parameters

Supply the appropriate information, and press OK.

Integrating the Tivoli Enterprise Console GUI into the Tivoli Enterprise Portal

To make the Tivoli Enterprise Console accessible from the Tivoli Enterprise Portal client, you must:

1. Install the TEC GUI Integration feature into the Tivoli Enterprise Portal Server.
2. Make Tivoli Enterprise Console invocable from the Tivoli Enterprise Portal desktop and browser client.

Installing the TEC GUI Integration feature into the Tivoli Enterprise Portal Server

Reinvoke the IBM Tivoli Monitoring installer, and install the TEC GUI Integration feature into the Tivoli Enterprise Portal Server. Figure 3 shows the installer's Tivoli Enterprise Portal Server section, with several features, including the TEC GUI Integration feature and the server itself, selected for installation.

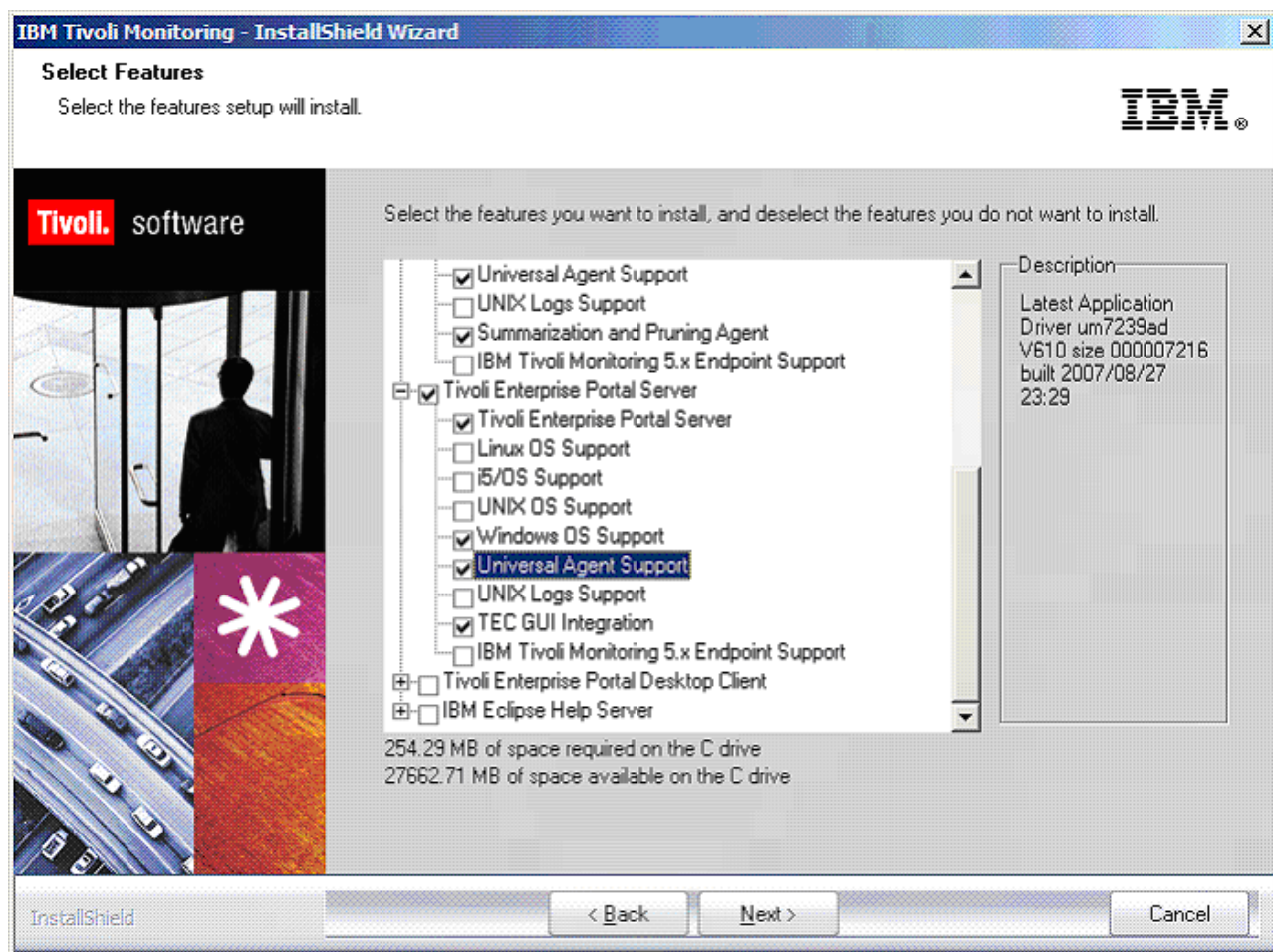


Figure 3. Installing the TEC GUI Integration feature

Select Next to complete the feature installation.

Making Tivoli Enterprise Console invocable from the Tivoli Enterprise Portal clients

Once you have installed the TEC GUI Integration feature in your Tivoli Enterprise Portal Server, you can make the Tivoli Enterprise Console event viewer invocable by your Tivoli Enterprise Portal users by assigning it to a console view in one or more workspaces.

1. Open either the browser or the desktop Tivoli Enterprise Portal client, and move to a workspace whose users will need to access the Tivoli Enterprise Console GUI; see Figure 4.

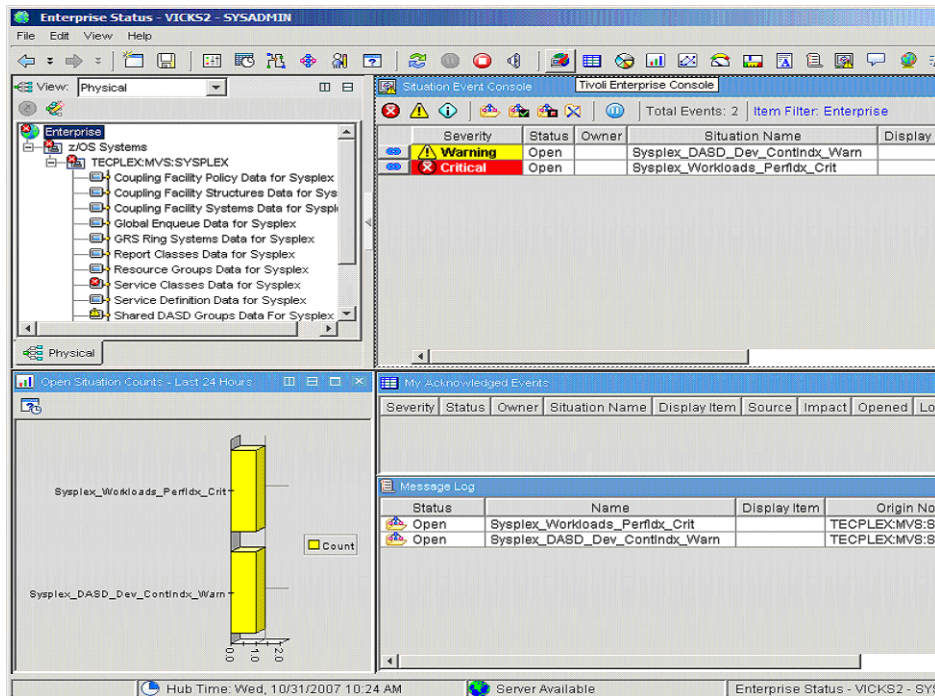



Figure 4. Adding the Tivoli Enterprise Console to a workspace view

2. Select the TEC GUI icon (), drag it to the appropriate workspace view, and drop it.

You are prompted for the appropriate Tivoli Enterprise Console login information, and then the filter type and name, as shown in Figure 5.

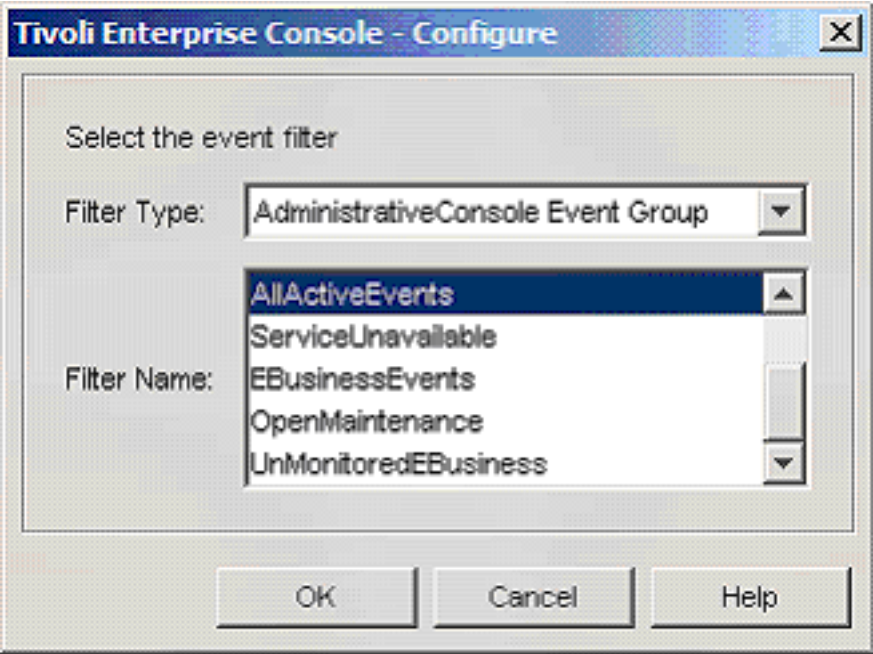


Figure 5. Supplying the Tivoli Enterprise Console filter type and name

Figure 6 shows the resulting modified workspace. Note that view My Acknowledged Events has been replaced with a terminal view of Tivoli Enterprise Console server x86ondemand04.

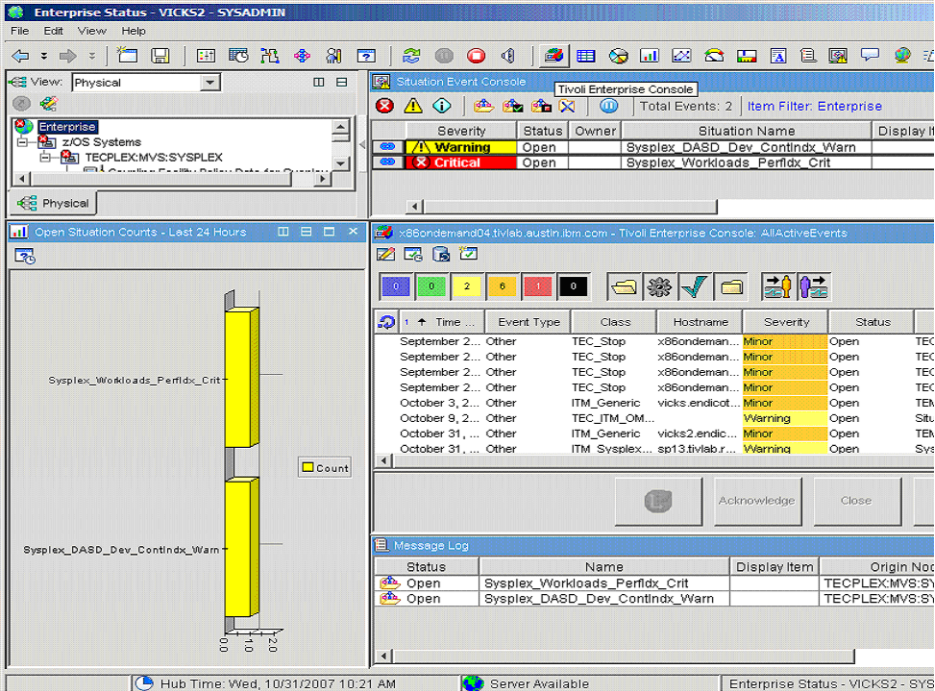


Figure 6. Tivoli Enterprise Portal workspace showing a Tivoli Enterprise Console view

3. Save this modified workspace: select menu option File > Save.

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Glossary

B

baroc files. Basic Recorder of Objects in C files define event classes for a particular Tivoli Enterprise Console server. Baroc files also validate events' formats based on these event class definitions.

E

Event Integration Facility. EIF is an application programming interface (API) that external applications can use to create, send, or receive Tivoli Enterprise Console events. These events are referred to as either **EIF events** or **TEC/EIF events**.

O

OMEGAMON Tivoli Event Adapter. OTEA invokes the Event Integration Facility API to synchronize IBM Tivoli Monitoring and Tivoli Enterprise Console events. OTEA is a component of the Tivoli Enterprise Monitoring Server; it maps an event to its corresponding Tivoli Enterprise Console event class based on the situation name's suffix, either `_Warning` or `_Critical`.

Integrating these products requires two parts: a Tivoli Enterprise Monitoring Server piece (provided with IBM Tivoli Monitoring version 6.1) called the OMEGAMON Tivoli Event Adapter, and a Tivoli Enterprise Console piece installed on the Tivoli Enterprise Console server called the Situation Update Forwarder, or SUF.

S

Situation Update Forwarder. SUF is a Java background process for communication between Tivoli Enterprise Console and a particular Tivoli Enterprise Monitoring Server running under IBM Tivoli Monitoring version 6.1.

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