Tivoli® OMEGAVIEW and OMEGAVIEW II for the Enterprise

Version 3.1.0

Configuring OMEGAVIEW and OMEGAVIEW II for the Enterprise

SC32-9426-00

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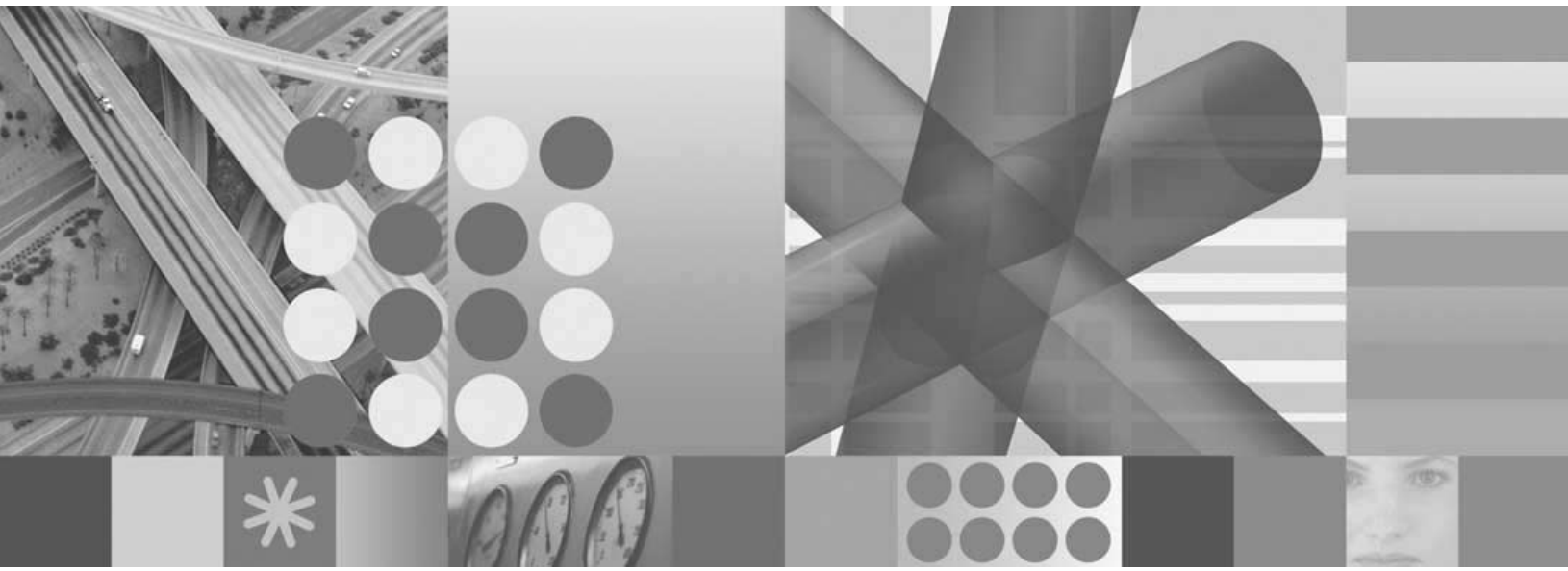

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SC32-9426-00

Note

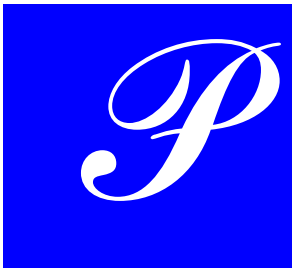
Before using this information and the product it supports, read the information in “Notices” on page 219.

Fourth Edition (November 2005)

This edition applies to version 3, release 1, modification 0 of OMEGAVIEW (product number 5608-A1200) and OMEGAVIEW II for the Enterprise (product number 5608-A4200), and to all subsequent releases and modifications until otherwise indicated in new editions.

This edition replaces GC32-9334-00.

Contents



Preface

OMEGAVIEW® and OMEGAVIEW II® for the Enterprise are components of IBM® Tivoli® OMEGAMON® DE on z/OS®. They provide an integrated view of your mainframe enterprise and the power to take corrective action when problems threaten system and application availability.

OMEGAVIEW aggregates, into a single Common User Access (CUA) view, the status information from the OMEGAMON II® components of these IBM Tivoli OMEGAMON XE products:

- Tivoli OMEGAMON XE for CICS® on z/OS
- Tivoli OMEGAMON XE for DB2® on z/OS
- Tivoli OMEGAMON XE for IMS™ on z/OS
- Tivoli OMEGAMON XE for Mainframe Networks
- Tivoli OMEGAMON XE for Storage on z/OS
- Tivoli OMEGAMON XE on z/OS

You can use the OMEGAVIEW status information to monitor and manage your mainframe computing enterprise.

OMEGAVIEW II for the Enterprise integrates status information into the Tivoli OMEGAMON XE architecture, allowing situations and policies to be created against a number of managed systems. The status information can come from any of these sources:

- OMEGAMON sessions
- user-defined IBM Tivoli AF/OPERATOR® automation scripts
- user-defined IBM Tivoli OMEGACENTER® Gateway probes
- status items defined in the OMEGAVIEW Status Item Manager

This book explains how to configure OMEGAVIEW and OMEGAVIEW II for the Enterprise, and how to administer the OMEGAVIEW software.

Note: *Before you can follow any of the instructions in this book, you must install Tivoli OMEGAMON DE on z/OS. For instructions, see the Program Directory.*

About This Book

Who should read this book

This book is intended for IT operations staff and administrators, system programmers, and network administrators.

Related publications

This section lists other useful publications in the Tivoli OMEGAMON DE on z/OS library and in the OMEGAMON Platform library.

Other books in the Tivoli OMEGAMON DE on z/OS library

- *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*, SC32-9427, explains the user interface features of OMEGAVIEW and OMEGAVIEW II for the Enterprise.
- *OMEGAVIEW and OMEGAVIEW II for the Enterprise Release Notes*, GI11-4085-00, contains information about changes to OMEGAVIEW and OMEGAVIEW II for the Enterprise since the last release, as well as late-breaking information about these products.
- *IBM Tivoli Candle® Products Messages*, 5 vols. SC32-9416–SC32-9420, lists messages issued by OMEGAVIEW and OMEGAVIEW II for the Enterprise, by the Tivoli OMEGAMON XE products, and by the OMEGAMON Platform components.

OMEGAMON Platform library

These books explain how to install and configure the OMEGAMON Platform components:

- *Installing and Setting up OMEGAMON Platform and CandleNet Portal® on Windows and UNIX,* SC32-1768.
- *Configuring IBM Tivoli Candle Management Server® on z/OS*, GC32-9414.

These books also provide useful information about the OMEGAMON Platform and the CandleNet Portal interface:

- *Administering OMEGAMON Products: CandleNet Portal*, GC32-9180, describes the support tasks and functions required for the OMEGAMON Platform, including CandleNet Portal user administration.
- *Using OMEGAMON Products: CandleNet Portal*, GC32-9182, describes the features of CandleNet Portal and how to use them with your Tivoli OMEGAMON XE products.
- *Historical Data Collection Guide for IBM Tivoli OMEGAMON XE Products*, GC32-9429, describes the process of collecting historical data and either warehousing it or converting it to delimited flat files for reporting purposes.

The online glossary for the CandleNet Portal includes definitions for many of the technical terms related to Tivoli OMEGAMON XE software.

Accessing publications online

The documentation CD contains the publications that are in the product library. The format of the publications is PDF. Refer to the readme file on the CD for instructions on how to access the documentation.

IBM posts publications for this and all other Tivoli products, as they become available and whenever they are updated, to the Tivoli software information center Web site. Access the Tivoli software information center by first going to the Tivoli software library at the following Web address:

http://publib.boulder.ibm.com/tividd/td/tdprodlist.html

In the Tivoli Technical Product Documents Alphabetical Listing window, click the IBM Tivoli OMEGAMON DE on z/OS link to access the product library at the Tivoli software information center.

If you print PDF documents on other than letter-sized paper, set the option in the File > Print window that allows Adobe Reader to print letter-sized pages on your local paper.

Downloading and ordering publications

You can download many Tivoli publications online from the following Web site:

http://www.elink.ibmlink.ibm.com/public/applications/publications/cgibin/pbi.cgi

You can also order publications by telephone by calling one of these numbers:

- In the United States: 800-879-2755
- In Canada: 800-426-4968

In other countries, contact your software account representative to order Tivoli publications by telephone.

Tivoli technical training

For Tivoli technical training information, see the IBM Tivoli Education Web site:

http://www.ibm.com/software/tivoli/education

Support information

If you have a problem with your IBM software, you want to resolve it quickly. IBM provides the following ways for you to obtain the support you need:

- Searching knowledge bases: You can search across a large collection of known problems and workarounds, Technotes, and other information.
- Obtaining fixes: You can locate the latest fixes that are already available for your product.
- Contacting IBM Software Support: If you still cannot solve your problem, and you need to work with someone from IBM, you can use a variety of ways to contact IBM Software Support.

For more information about these three ways of resolving problems, see “Support Information” on page 213.

Documentation Conventions

Overview

This guide uses several conventions for special terms and actions, and operating system-dependent commands and paths.

Panels and figures

The panels and figures in this document are representations. Actual product panels may differ.

Required blanks

The slashed-b (/b) character in examples represents a required blank. The following example illustrates the location of two required blanks.

```
/beBA*ServiceMonitor/b0990221161551000
```

Revision bars

Revision bars (|) may appear in the left margin to identify new or updated material.

Variables and literals

In examples of z/OS® command syntax, uppercase letters are actual values (literals) that the user should type; lowercase letters are used for variables that represent data supplied by the user. Default values are underscored.

```
LOGON APPLID (cccccccc)
```

In the above example, you type LOGON APPLID followed by an application identifier (represented by *cccccccc*) within parentheses.

Symbols

The following symbols may appear in command syntax:

Table 1. Symbols in Command Syntax

Symbol	Usage
|	The “or” symbol is used to denote a choice. Either the argument on the left or the argument on the right may be used. Example: **YES | NO** In this example, YES or NO may be specified.
[ ]	Denotes optional arguments. Those arguments not enclosed in square brackets are required. Example: **APPLDEST DEST [ALTDEST]** In this example, DEST is a required argument and ALTDEST is optional.

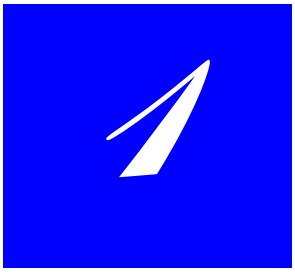
Table 1. Symbols in Command Syntax

Symbol	Usage
{ }	Some documents use braces to denote required arguments, or to group arguments for clarity. Example: **COMPARE {workload} -** **REPORT={SUMMARY | HISTOGRAM}** The *workload* variable is required. The REPORT keyword must be specified with a value of SUMMARY or HISTOGRAM.
_	Default values are underscored. Example: **COPY infile outfile - [COMPRESS={YES | NO}]** In this example, the COMPRESS keyword is optional. If specified, the only valid values are YES or NO. If omitted, the default is YES.

Section 1.
Configuration Tasks

This section gives instructions for configuring the OMEGAVIEW and OMEGAVIEW II for the Enterprise software.

These are the chapters in this section.



Configuration Planning

Introduction

This chapter provides information you need before you start configuring OMEGAVIEW and OMEGAVIEW II for the Enterprise.

Chapter Contents

What are OMEGAVIEW and OMEGAVIEW II for the Enterprise?

OMEGAVIEW and OMEGAVIEW II for the Enterprise are components of Tivoli OMEGAMON DE on z/OS. They provide an integrated view of your mainframe enterprise and the power to take corrective action when problems threaten system and application availability.

OMEGAVIEW aggregates, into a single Common User Access (CUA) view, the status information from the OMEGAMON II components of these Tivoli OMEGAMON XE products:

- Tivoli OMEGAMON XE for CICS on z/OS
- Tivoli OMEGAMON XE for DB2 on z/OS
- Tivoli OMEGAMON XE for IMS on z/OS
- Tivoli OMEGAMON XE for Mainframe Networks
- Tivoli OMEGAMON XE for Storage on z/OS
- Tivoli OMEGAMON XE on z/OS

You can use the OMEGAVIEW status information to monitor and manage your mainframe computing enterprise.

OMEGAVIEW II for the Enterprise integrates status information into the Tivoli OMEGAMON XE architecture, allowing situations and policies to be created against a number of managed systems. The status information can come from any of these sources:

- OMEGAMON sessions
- user-defined Tivoli AF/OPERATOR automation scripts
- user-defined Tivoli OMEGACENTER Gateway probes
- status items defined in OMEGAVIEW

The OMEGAVIEW status data manager sends status information to the Candle Management Server, which in turn sends the information to CandleNet Portal for display in its Java™-based client interface. For detailed information about the Tivoli OMEGAMON XE products, Candle Management Server, and CandleNet Portal, see the books on the OMEGAMON Platform documentation CD.

How the OMEGAVIEW software connects with the OMEGAMON products

Multi-session VTAM® support provides navigation between the OMEGAVIEW software and the OMEGAMON products.

Important guidelines

- OMEGAMON products cannot run in the OMEGAVIEW address space.
- If you want OMEGAVIEW to connect to OMEGAMON II components of Tivoli OMEGAMON XE products, install OMEGAVIEW and the Tivoli OMEGAMON XE products in the same CSI, using the same target and distribution zones. For more information, see "Configuring the OMEGAVIEW software to connect to OMEGAMON II components" on page 49.

How the OMEGAVIEW software works with the OMEGAMON products

This table explains how the OMEGAVIEW software gathers information and starts a session with an OMEGAMON product.

Step	Action	Result
1	The OMEGAVIEW administrator adds the OMEGAMON product to be monitored, assigning a session name and specifying additional information.	A logical connection, called a *collector session*, is defined.
2	The OMEGAVIEW software logs onto the OMEGAMON product and presents a parameter list, which identifies the connection as a collector session.	The OMEGAMON product recognizes the parameter list.
3	The OMEGAMON product starts up as a collector session, using the OMEGAVIEW status data manager to create and update OMEGAVIEW status items.	For each session defined in the OMEGAVIEW configuration, a single collector session is started. This is true no matter how many users are logged onto the OMEGAVIEW software.

Performance consideration

To conserve your system CPU utilization, do *not* turn on the OMEGAMON auto-update (AUP) feature when the OMEGAMON is connected to OMEGAVIEW.

Hardware and Software Requirements

See the Program Directory for information about hardware and software requirements for OMEGAVIEW and OMEGAVIEW II for the Enterprise.

Using the Configuration Tool

You will use the Configuration Tool to begin configuring OMEGAVIEW and OMEGAVIEW II for the Enterprise. The Configuration Tool is an ISPF dialog that guides you through the product configuration steps. Data entry panels assist you in understanding your site-specific parameter values. Associated help panels assist you in understanding the Configuration Tool process and describe the input fields on the entry panels.

The Configuration Tool is restartable. If necessary, you can end the dialog, start it again, and continue from the point of interruption. ISPF V2.3 or above is required to use the Configuration Tool.

Note: *You must use the latest version of the Configuration Tool to configure OMEGAVIEW. No batch job method is available. The latest version of the Configuration Tool is installed automatically when you install the products.*

Defaults provided with the Configuration Tool

Whenever possible, the Configuration Tool provides defaults for fields and options. These defaults, when provided, should be sufficient to complete the installation of products and maintenance. The defaults can be changed to values specific to your site.

Assistance provided in the Configuration Tool

Whenever possible, the Configuration Tool checks the values you specify and verifies that you have specified the required values. If the Configuration Tool detects an error or omission, it displays a short message.

Display requirements in ISPF

If you are using a 3270 Model 2 (24 x 80) display, you must turn off the predefined function (PF) keys so that the Configuration Tool panels are not truncated.

To turn off the predefined function keys, type **PFSHOW** on any command line and press Enter until the function keys no longer appear.

Restrictions

- The length of the high-level qualifier for the runtime libraries must be 26 characters or less.
- You cannot use the ISPF feature for edit recovery. If the ISPF RECOVERY ON command is entered, edits will produce a recovery error message. Enter the RECOVERY OFF command to suppress the error messages.

Commands and functions

This list shows some of the commands and functions available in the Configuration Tool. You can use these commands for navigation and display purposes.

Table 2. Configuration Tool Commands

Advanced key	On some panels for configuring products, displays panels where you can specify specialized values (such as values for the Persistent Datastore for a Candle Management Server).
End key	Returns to the previous panel.
Enter key	Accepts the values you have specified and displays the next panel in the process.
HELP command	Displays information about a panel or the extended description for a message.
README command	Displays the README for the current version of the Configuration Tool.
README APP command	Displays information about default applids for started tasks and VTAM, and how the Configuration Tool processes VTAM applids.
README ERR command	Displays a list of CLIST error codes and descriptions (for both interactive and batch mode).
README SYS command	Displays information about system variable support.
UTIL command	Displays the Installation Services and Utilities menu.

What the Configuration Tool creates

The Configuration Tool creates and customizes all the runtime data sets required to support the OMEGAVIEW and OMEGAVIEW II for the Enterprise software. In addition to initialization data sets and data files, the Configuration Tool also creates the VTAM major node member in SYS1.VTAMLST, and the startup proclib JCL member in SYS1.PROCLIB required to support the software.

The members have the started task name and major node name you specify in the Configuration Tool.

Multiple OMEGAVIEW address spaces

To create multiple OMEGAVIEW address spaces in the same runtime environment, you can invoke the Configure OMEGAVIEW menu repeatedly. When filling in the Configuration Tool panels to create another OMEGAVIEW address space, you must supply unique values for a number of the variables so the new version of the OMEGAVIEW product does not conflict with a previously defined one. For instance, each address space must have its own set of files, VSAM data sets, VTAM logon applids, and virtual terminal names.

Alternatively, you can create each OMEGAVIEW address space in its own runtime environment.

Getting help with the Configuration Tool

The online help for the Configuration Tool contains detailed information about using the Configuration Tool panels. To display help from any Configuration Tool panel, press the Help key (F1) or enter **HELP** on the command line.

You can also display help for the help. For example, you can display information about the command to use to return to the previous topic in the help system. To display the help for help from any help panel, press the Help key (F1) or enter **HELP** on the command line.

Steps to Complete Before Configuring the Products

Before you start the Configuration Tool and begin configuring the OMEGAVIEW and OMEGAVIEW II for the Enterprise software, make sure you have completed these steps.

1. Follow the instructions in the Program Directory to process the Tivoli OMEGAMON DE on z/OS tape and install the product components.
2. If you are updating an earlier version of OMEGAVIEW and OMEGAVIEW II for the Enterprise, back up your predefined situations and Enterprise Information Base (EIB) tables. Follow the instructions in "Backing up Predefined Situations and EIB Tables from Previous Versions" on page 24.
3. If the Candle Management Server is installed on z/OS, configure it now. Follow the instructions in *Configuring IBM Tivoli Candle Management Server on z/OS*, which you can find on the OMEGAMON Platform documentation CD. Make a note of any parameters you use in configuring the Candle Managerment Server; you will need them later.
4. Install the distributed components of OMEGAMON Platform. Follow the instructions in *Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX*, which you can find on the OMEGAMON Platform documentation CD.
5. Install the Tivoli OMEGAMON DE feature. Follow the instructions in "Installing the Tivoli OMEGAMON DE Feature" on page 25.
6. Install OMEGAVIEW II for the Enterprise support on CandleNet Portal. Follow the instructions in "Installing OMEGAVIEW II for the Enterprise Support on CandleNet Portal" on page 26.
7. If the Candle Management Server is installed on Windows or UNIX, configure it now. Follow the instructions in *Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX*. Make a note of any values you specify in configuring the Candle Managerment Server; you will need them later.
8. Install any Tivoli OMEGAMON XE products whose OMEGAMON II components will connect with OMEGAVIEW. Follow the instructions on the documentation CD for each product.

Backing up Predefined Situations and EIB Tables from Previous Versions

The latest version of OMEGAMON Platform includes changes to the Enterprise Information Base (EIB), a set of tables that define the report structure of your data. All predefined situations are overwritten by the Candle Managerment Server seeding process during configuration. To back up your predefined situations and EIB files, follow these steps.

1. If you have edited any predefined situations that you wish to keep, copy them with **Create Another** before you start the upgrade. See *Administering OMEGAMON Products: CandleNet Portal* for instructions.
2. Delete any unwanted situations.
3. Back up your existing EIB.

   EIB files are named ***.db** and ***.idx** and are stored in these locations:

   - Windows: <*candlehome*>\CMS
   - UNIX: *$candlehome*/tables

   For further information, see *Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX.*

Installing the Tivoli OMEGAMON DE Feature

The Tivoli OMEGAMON DE feature enables the CandleNet Portal to provide a process-driven view of your enterprise. Its capabilities include views of data from different types of monitoring agents in one workspace, linking of application workspaces, and automation policies.

The *IBM Tivoli OMEGAMON DE on z/OS* CD is included in your product package. Installation of the Tivoli OMEGAMON DE feature is required for proper operation of Tivoli OMEGAMON DE on z/OS. Follow these steps.

1. Under a user ID with Administrator authority, log onto the Windows workstation that hosts the CandleNet Portal Server.
2. Insert the *IBM Tivoli OMEGAMON DE on z/OS* CD into the CD-ROM drive of the Windows system that hosts the CandleNet Portal Server.

   Installation begins automatically. If the installer does not start, go to the CD drive and run **setup.exe**. If **setup.exe** initialization fails, you do not have enough disk space to extract the setup files.
3. Read the text that welcomes you to the installation, and click **Next** to continue.
4. Read the software license agreement and click **Accept**.

   The Tivoli OMEGAMON DE feature is installed.
5. On the InstallShield Complete window, deselect all options to postpone configuration tasks, and click **Next**.

   Note: *If you want to configure OMEGAMON Platform components now, follow the instructions in* Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX.
6. Click Finish.

Installing OMEGAVIEW II for the Enterprise Support on CandleNet Portal

Use the *IBM Tivoli OMEGAMON Data Files for z/OS* CD to install the distributed components of OMEGAVIEW II for the Enterprise on the Windows system that hosts the CandleNet Portal Server and desktop client.

1. Insert the *IBM Tivoli OMEGAMON Data Files for z/OS* CD into the CD-ROM drive of the Windows workstation that hosts the CandleNet Portal Server and desktop client.

   Installation begins automatically. If the installer does not start, go to the CD drive and run **WINDOWS\setup.exe**. If **setup.exe** initialization fails, you do not have enough disk space to extract the setup files.

2. Read the text that welcomes you to the installation, and click **Next** to continue.
3. Read the software license agreement and click **Accept**.
4. Read the text that explains version support, and click **OK**.
5. On the Select Features window, click the **+** sign next to each main feature to expand the tree.
6. Select OMEGAVIEW II for the Enterprise Support for both CandleNet Portal Server and CandleNet Portal Desktop Client, and click **Next**.
7. Check the settings on the Start Copying Files window, and click **Next**.

   Support for OMEGAVIEW II for the Enterprise is installed on CandleNet Portal.
8. On the Setup Type window, deselect all options to postpone configuration tasks, and click **Next**.

   Note: *If you want to configure CandleNet Portal or perform other OMEGAMON Platform configuration tasks now, follow the instructions in* Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX.
9. On the InstallShield Complete window, click **Finish**.

2 Configuration Procedures

Introduction

This chapter guides you through the configuration of OMEGAVIEW. It is important to read "Configuration Planning" on page 17 before you begin configuration. You use the Configuration Tool to perform the major part of the configuration.

Chapter Contents

Overview of the Process

The following table contains the basic steps you follow when you configure OMEGAVIEW and OMEGAVIEW II for the Enterprise. The table also shows where you can find the information you will need for each step.

Table 3. Overview of the Process

Step	Action	Information
0	Make sure you have completed all prerequisite steps.	“Steps to Complete Before Configuring the Products” on page 23.
1	Set up your configuration environment and start the Configuration Tool.	“Step 1. Set up Your Configuration Environment” on page 29.
2	Specify configuration values for OMEGAVIEW.	“Step 2. Specify Configuration Values” on page 32.
3	Specify parameters to enable agent.	“Step 3. Specify Parameters to Enable Agent” on page 34.
4	Create runtime members.	“Step 4. Create Runtime Members and Load Runtime Libraries” on page 37
5	Add OMEGAVIEW II for the Enterprise to the OMEGAVIEW address space.	“Step 5. Add OMEGAVIEW II for the Enterprise to the OMEGAVIEW Address Space” on page 39
6	Register with the Candle Management Server and seed it with application data.	“Step 6. Register with and Seed the Hub Candle Management Server” on page 40.
7	Finish configuring OMEGAVIEW and OMEGAVIEW II for the Enterprise.	“Step 7. Complete the Configuration” on page 47.
8	Verify the OMEGAVIEW and OMEGAVIEW II for the Enterprise configuration.	“Step 8. Verify the Configuration” on page 51.

Step 1. Set up Your Configuration Environment

Setting up your environment consists of copying the contents from one of the target libraries into the appropriate Configuration Tool work library. This applies to products installed into either an existing CSI or a new CSI. The CSI is a VSAM data set in which SMP/E maintains information about the system.

If you use an existing CSI, you copy the contents of the target library (*&thilev.*TKCIINST) into your existing Configuration Tool work library (*&shilev.*INSTLIBW). If you use a new CSI, you copy the contents of the target library (*&thilev.*TKCIINST) to the newly created Configuration Tool library (*&shilev.*INSTLIB).

If you use an existing CSI

If you use an existing CSI, perform these steps to copy the contents of the target library into your existing Configuration Tool work library and to configure your environment:

1. Copy the contents of the *&thilev.*TKCIINST library to the *&shilev.*INSTLIBW library as follows:

   ```
   //COPY  EXEC  PGM=IEBCOPY
   //SYSPRINT DD SYSOUT=*
   //IN       DD DSN=&thilev.TKCIINST,DISP=SHR
   //OUT      DD DSN=&shilev.INSTLIBW,DISP=SHR
   //SYSIN    DD *
     C O=OUT,I=( (IN,R) )
   ```

   where:

   &thilev = the SMP/E target high-level qualifier
   &shilev = the installation high-level qualifier

2. Start the Configuration Tool. The Configuration Tool will automatically perform any required updates. To start the Configuration Tool:
   1. Log onto a TSO session.
   2. Invoke ISPF.
   3. Go to a TSO command line. (In most cases, this is option 6 on the ISPF Primary Option menu.)
   4. Enter the following command:

      ```
      EX '&shilev.INSTLIB'
      ```

      Result: The Configuration Tool displays the copyright panel and then the Main Menu. (Both the copyright panel and the Main Menu display the version and release of the Configuration Tool.)

3. From the Main Menu, select **Configure products** and complete the following options on the menu. Only those products that are eligible to be configured are listed on this panel.
   1. Select **Select product to configure** to display a list of the products available.
   2. On the Product Selection menu, select **OMEGAVIEW**. (You can select only one product at a time for configuration.)

      Result: The Configuration Tool displays the Runtime Environments (RTEs) panel.

4. On the Runtime Environments (RTEs) panel, specify:
   - to use an existing RTE, select **C** (Configure) and **L** (Load)
   - to create a new RTE, select **A** (Add), **B** (Build libraries), **C** (Configure), and **L** (Load)

   Result: The Configuration Tool displays the Configure OMEGAVIEW menu. Go on to "Step 2. Specify Configuration Values" on page 32.

If you use a new CSI

For a new CSI, perform these steps to copy the contents of the target library to the newly created Configuration Tool library, and to set up and configure your environment:

1. Create the *&shilev*.INSTLIB (where *&shilev* is the installation high-level qualifier) with these values:

   ```
   RECFM       = FB
   LRECL       = 80
   BLKSIZE     = 8880
   PRIMARY     = 600
   SECONDARY   = 300
   DIRECTORIES = 88
   ```

2. Copy the contents of the *&thilev*.TKCIINST library (where *&thilev* is the SMP/E target high-level qualifier) into the *&shilev*.INSTLIB library:

   ```
   //COPY  EXEC  PGM=IEBCOPY
   //SYSPRINT DD SYSOUT=*
   //IN       DD DSN=&thilev.TKCIINST,DISP=SHR
   //OUT      DD DSN=&shilev.INSTLIB,DISP=SHR
   //SYSIN    DD *
     C O=OUT,I=( (IN,R) )
   ```

3. Start the Configuration Tool:
   1. Log onto a TSO session.
   2. Invoke ISPF.
   3. Go to a TSO command line. (In most cases, this is option 6 on the ISPF Primary Option menu.)
   4. Enter the following command:

      ```
      EX '&shilev.INSTLIB'
      ```

4. From the Main Menu, select **Set up work environment** and complete the following options on the menu.
   1. Select **Specify options** to specify allocation and processing values that will be used to create the work data sets needed by the Configuration Tool.
   2. Select **Allocate work libraries** to allocate the Configuration Tool work libraries.

   Important: After you create and submit the Allocate work libraries job, you must exit the Configuration Tool and allow the job to run before starting the Configuration Tool again.

5. From the Main Menu of the Configuration Tool, select **Configure products**.
6. On the Configure Products menu, select **Set up configuration environment**.

7. On the Set Up Configuration Environment panel, specify the remaining values for the Configuration Tool to use in configuring the products. When you have specified the necessary values, press Enter to continue.
8. On the Configure Products menu, select **Select product to configure**.

   Result: The Product Selection menu shows a list of all products available for configuration.
9. To select **IBM Tivoli OMEGAMON DE on z/OS**, type **S** to the left of this item and press Enter.

   Result: The Runtime Environments (RTEs) panel is displayed.
10. On the Runtime Environments (RTEs) panel, specify **A** (Add), **B** (Build libraries), **C** (Configure), and **L** (Load) to create a new RTE.

    Result: The Product Component Selection menu is displayed.
11. Select **OMEGAVIEW**. Only one product component can be selected at a time.

    The Configure OMEGAVIEW menu is displayed.
12. Go on to "Step 2. Specify Configuration Values" on page 32.

Step 2. Specify Configuration Values

1. On the Configure OMEGAVIEW menu of the Configuration Tool, select **Specify Configuration Values**.
2. On the Specify OMEGAVIEW Configuration Values panel, provide the configuration values required for your site. You can press **F1** (Help) to obtain field descriptions.

   Note: *If you have previously installed and configured OMEGAVIEW and are setting up an additional OMEGAVIEW address space, be sure to avoid conflicts by specifying unique values for the startup procedure name, VTAM major node name, VTAM applid for logging onto OMEGAVIEW, and prefix for internally generated VTAM applids.*

Table 4. Configuration Values for OMEGAVIEW

Started task	The name of the OMEGAVIEW started task JCL procedure. Note the name; you will use it later in the configuration.
Applid prefix	A prefix for the VTAM node and applid list created for OMEGAVIEW by the Configuration Tool. The default is CTDMV. For information about how the Configuration Tool processes VTAM applids, enter **README APP** on the Configuration Tool command line.
Virtual terminal prefix	A prefix for the pool of virtual terminals for the OMEGAVIEW VTAM major node in the SYS1.VTAMLST library. The default is CTDMV.
Maximum number of CUA users	Number of virtual terminals in the pool used for establishing OMEGAVIEW sessions with OMEGAMON products. The default is 99.
Specify security	Type of security you want to use for restricting logons to OMEGAVIEW. The default is None. See "Setting Up Security" on page 161 for additional information on setting up external security
Terminal output to uppercase	Whether terminal displays will be forced to upper case. The default is N. Accept the default unless your terminals require uppercase.
Enable VTAM authorized path	If you specify **Y:** ■ you reduce VTAM overhead and improve system performance. ■ the Configuration Tool will add the **SRBEXIT=YES** operand to the VTAM APPL definitions in the OMEGAVIEW VTAM major node member. ■ you will also have to APF-authorize the OMEGAVIEW load libraries.
Connect to a CMS?	Specify **Y**. OMEGAVIEW II for the Enterprise and the zoom feature of OMEGAVIEW require connection to a Candle Management Server.
Is Enterprise OMEGAVIEW installed?	Answer **Y** to this prompt, which refers to OMEGAVIEW II for the Enterprise.

If you press F5 (Advanced) on the Specify Configuration Values panel, the Advanced Configuration Values panel displays. You can use this panel to override certain parameters that were previously hard-coded. The default values presented are usually sufficient for the typical site. If your site requires different values, use them judiciously.

3. When you have specified the OMEGAVIEW configuration values, press Enter to continue.
4. On the Define OMEGAMON Sessions panel, specify the version, applid, and region or subsystem for the installed OMEGAMON products with which you want OMEGAVIEW to communicate, and press Enter.

   Later, when you have completed OMEGAVIEW configuration, you can use the OMEGAVIEW Configuration Manager to add, change, and delete OMEGAMON sessions. See "Working With Sessions" on page 67 for instructions.

Step 3. Specify Parameters to Enable Agent

This step creates an agent in the OMEGAVIEW address space. The OMEGAVIEW agent allows OMEGAVIEW to zoom to OMEGAMON products, connect to the Candle Management Server, and communicate with OMEGAVIEW II for the Enterprise.

Note: *OMEGAMON products cannot run in same address space as OMEGAVIEW and OMEGAVIEW II for the Enterprise.*

1. On the Configure OMEGAVIEW menu of the Configuration Tool, select **Specify parameters to enable agent**.
2. Read the Verify Addition of Agent to OMEGAVIEW Address Space panel and press Enter.
3. On the Agent Address Space Configuration Values panel, specify the configuration values for the address space. You can press **F1** (Help) to obtain field descriptions.

Table 5. Configuration Values for the Agent

Agent started task	The name of the started task PROC. Note the name; you will use it later in the configuration.
Connect to CMS in this RTE	Specify **Y** if you want to connect to a Candle Management Server that is already configured in the same runtime environment (RTE) as OMEGAVIEW. Specify **N** if you want to connect to a Candle Management Server in a different RTE or if you want to connect to a distributed Candle Management Server. ***Note:*** *If the agent will report to a non-local Candle Management Server, the agent must be installed in the non-local INSTLIB or CSI environment where the primary Candle Management Server is installed.*
Name of Primary CMS	Name of the primary Candle Management Server to which the agent will connect. **None** indicates no selection has been made. ■ To select a local Candle Management Server, press F10 and select from the list. ■ To specify a Candle Management Server located in another installation library or a Candle Management Server on Windows or UNIX, or to update the port number of the agent, press F10, then press F5 and complete the Specify Agent Primary CMS Values panel.
Specify communication protocols in priority sequence	Specify at least one protocol to be used by the agent to communicate with the primary Candle Management Server. OMEGAVIEW uses SNA to connect to OMEGAMON and Tivoli AF/OPERATOR sessions. OMEGAVIEW II for the Enterprise (the OMEGAVIEW agent) can use the SNA, TCP/IP, or IP:PIPE protocol to connect to a Candle Managerment Server on z/OS, Windows, or UNIX. See "Specify communication values" on page 35.

If you press F5 (Advanced) on the Specify Configuration Values panel, the Advanced Configuration Values panel displays. You can use this panel to override certain default

values. The default values generally suffice. If your site requires other values, use them judiciously.

Specify communication values

The Configuration Tool prompts you for communication values for each protocol you specified on the Agent Address Space Configuration Values panel.

SNA communication values

1. If the agent requires SNA support, specify (or accept the default for) the VTAM applid prefix on the Specify Agent SNA Configuration Values panel.

   Note: *There is only one set of VTAM applids per agent address space regardless of how many agents share it.*

2. To specify VTAM values press F6.

   Result: The Specify VTAM Applid Values panel displays.

3. Specify (or accept defaults for) the VTAM values:

Table 6. VTAM Values

Major node	Name of the VTAM major node that contains all the VTAM applid definitions for this product. This name is also used to activate the VTAM applids for this product. ***Note:*** *You will copy VTAM definitions to the VTAM list.*
Agent to CMS connection	VTAM applid used by the agent for NCS communications to the Candle Management Server.

4. Press Enter to accept the SNA communication values.

TCP/IP communication values

1. If the agent requires TCP/IP support, supply the following values on the Specify Agent TCP/IP Configuration Values panel.

Table 7. TPC/IP Communication Values for the Agent

Hostname	TCP/IP host name of the system where the agent resides.
Address	TCP/IP address of the system where the agent resides.
Started task	TCP/IP started task name of the system where the agent resides.
Network interface card (NIC)	If your site is running multiple TCP/IP interfaces or network adapters on the same z/OS image, specify the network interface card that you prefer for the application to use. This value cannot be specified if you are using Interlink for TCP/IP communications.
IUCV interface in use?	Indicate whether you are using the Inter-User Communication Vehicle (IUCV) interface. Specify N if you are using HPNS TCP/IP support.

2. Press Enter to accept the TCP/IP communication values.

IP:PIPE communication values

1. If the agent requires IP:PIPE support, supply the following values on the Specify Agent IP:PIPE Configuration Values panel.

Table 8. IP:PIPE Communication Values for the Agent

Use DNS resolution?	Indicate whether you want to enable name resolution using Domain Name Server (DNS). Answer Yes if you use Virtual IP Address (VIPA).
Domain name	DNS domain name of the z/OS system.
Address translation	Indicate whether your site uses address translation when communicating across a firewall.
Partition name	The name space in which the agent resides. (This partition name must also be defined on the Candle Managerment Server to which the agent will connect.)

2. Press Enter to accept the IP:PIPE communication values.

Step 4. Create Runtime Members and Load Runtime Libraries

This step generates the job that defines the address space and installs the agent into the address space.

1. On the Configure OMEGAVIEW menu of the Configuration Tool, select **Create Runtime Members.**

   You are placed in TSO edit mode with the batch job.

2. Enter **Submit** to submit the batch job. Verify that the job runs successfully before proceeding.

3. Press F3 until you return to the Runtime Environments (RTEs) panel, then use action code **L** to load the runtime libraries.

4. Return to the Configure OMEGAVIEW menu and select **Complete the Configuration**.

   Make a note of the additional configuration steps described on the panel that appears. Those steps must be performed outside the Configuration Tool. See "Step 7. Complete the Configuration" on page 47.

When to create runtime members

Anytime you reconfigure OMEGAVIEW II for the Enterprise and update its runtime members, you must also use the Configuration Tool to perform the **Create Runtime Members** selection on the Configure OMEGAVIEW menu.

Likewise, anytime you create OMEGAVIEW runtime members, you must also use the Configuration Tool to create OMEGAVIEW II for the Enterprise runtime members.

Troubleshooting Note: If you look at Managed System Details on the CandleNet Portal client and do not see that the OMEGACENTER bridge is online, then check to see whether you recreated runtime members in both OMEGAVIEW and OMEGAVIEW II for the Enterprise.

When to load runtime libraries

You use action code **L** (Load Libs after SMP/E) on the Runtime Environments (RTEs) panel to populate the load libraries for a selected RTE. This action code upgrades your RTE to the latest IBM maintenance level. Use action code **L** at the following points:

- After you install and configure the products you want in a new RTE.
- After you install and configure an additional product into an existing RTE.
- After you apply additional IBM maintenance.

When you define or update your RTE, you have the option to load from the target to the runtime libraries only those members that have changed.

If you request Load Optimization, the load job generated when you use action code **L**:

- Copies only modified modules.
- Requires access to the IBM SuperC (ISRSUPC) utility.

- Uses less DASD space.
- Performs additional analysis, using more CPU and I/O.

If you bypass Load Optimization, the load job:

- Copies all members.
- Requires more DASD space.
- Uses less CPU time.

Step 5. Add OMEGAVIEW II for the Enterprise to the OMEGAVIEW Address Space

This step adds OMEGAVIEW II for the Enterprise to the agent created during OMEGAVIEW configuration ("Step 3. Specify Parameters to Enable Agent" on page 34).

1. On the Product Component Selection menu of the Configuration Tool, enter **3** to select OMEGAVIEW II for the Enterprise.
2. On the Configure OMEGAVIEW II for the Enterprise menu, select **Install Agent into OMEGAVIEW address space**.

   You are placed in TSO edit mode with the batch job.
3. Enter **Submit** to submit the batch job. Verify that the job runs successfully before proceeding.

Step 6. Register with and Seed the Hub Candle Management Server

This procedure updates the hub Candle Management Server to recognize newly installed products (that is, *registers* the product with the Candle Management Server) and *seeds* the Candle Management Server (that is, initializes it with application data). Seeding adds product-provided situations, templates, and other sample data to the Enterprise Information Base (EIB) tables of the Candle Management Server.

The OMEGAVIEW agent must be registered with the Candle Management Server to which it reports. If that Candle Management Server is remote, you must also register the OMEGAVIEW agent with the remote server's corresponding hub Candle Management Server.

If the hub Candle Management Server is installed on...	**See these instructions...**
the same z/OS system as OMEGAVIEW	"Registering with and seeding a local hub Candle Management Server on z/OS" on page 41.
a different z/OS system from OMEGAVIEW	"Registering with and seeding a non-local hub Candle Management Server on z/OS" on page 42.
a Windows system	"Registering with and seeding a hub Candle Management Server on Windows" on page 44.
a UNIX system	One of these: ■ "Registering with and seeding a hub Candle Management Server on UNIX (GUI)" on page 45. ■ "Registering with and seeding a hub Candle Management Server on UNIX (command line)" on page 46.

Registering with and seeding a local hub Candle Management Server on z/OS

If the Candle Management Server and OMEGAVIEW are installed on the same z/OS system, you can register the agent with the Candle Management Server and seed the Candle Management Server in one operation performed by the Configuration Tool.

1. If you have not already configured the Candle Management Server, do so now. For instructions, see *Configuring IBM Tivoli Candle Management Server on z/OS*.
2. Verify that the Candle Management Server is not running.
3. On the Configure OMEGAVIEW II for the Enterprise menu of the Configuration Tool, select **Install product-provided solutions into local CMS**.

   If the agent has already been registered, a panel prompts you to confirm. If you enter Y, you are placed in TSO edit mode with the batch job.
4. Enter **Submit** to submit the batch job. Verify that the job runs successfully before proceeding.
5. Press F3 until you return to the Configure OMEGAVIEW II for the Enterprise menu.
6. Select **Complete the Configuration**.

   Make a note of the additional configuration steps described on the panel that appears. Those steps must be performed outside the Configuration Tool. See "Step 7. Complete the Configuration" on page 47.
7. To exit the Configuration Tool, press F3 repeatedly until you return to the TSO Command Processor.

Registering with and seeding a non-local hub Candle Management Server on z/OS

If the Candle Management Server and OMEGAVIEW are installed on different z/OS systems, you will seed the Candle Management Server and register the agent with it in two separate operations:

1. You will seed the Candle Management Server from the Windows workstation that hosts the CandleNet Portal Server.
2. You will register the agent with the Candle Management Server from the Configuration Tool on the z/OS system that hosts the Candle Management Server.

Seeding a non-local hub Candle Management Server on z/OS

1. If you have not already configured and started the Candle Management Server, do so now. For instructions, see *Configuring IBM Tivoli Candle Management Server on z/OS*.
2. Insert the *IBM Tivoli OMEGAMON Data Files for z/OS* CD into the CD-ROM drive of the Windows workstation that hosts the CandleNet Portal Server.

   Installation begins automatically. If the InstallShield Wizard does not start, go to CD directory WINDOWS and run **setup.exe**. If **setup.exe** initialization fails, you do not have enough disk space to extract the setup files.
3. Read the text that welcomes you to the installation, and click **Next** to continue.
4. Read the software license agreement and click **Accept**.
5. Read the text that explains version support, and click **OK**.
6. On the Select Features window, click the **+** sign next to Candle Management Server to expand the tree.
7. Select OMEGAVIEW II for the Enterprise Support for Candle Management Server, and click **Next**.
8. Check the settings on the Start Copying Files window, and click **Next**.

   The OMEGAVIEW II for the Enterprise seed data are installed on CandleNet Portal.
9. On the Setup Type window, select **Launch Manage Candle Services**, and click **Next**.
10. On the InstallShield Complete window, click **Finish**.
11. If Manage Candle Services does not launch automatically, select **Start > Programs > Candle OMEGAMON XE > Manage Candle Services**.
12. From the Actions menu in the Manage Candle Services window, select **Advanced > Seed CMS....**
13. On the Seed CMS window, select **On a different computer** and click OK.
14. When you are prompted to ensure that the Candle Management Server is configured and running, click OK.
15. On the Non-Resident CMS Connection window, provide the CMS Node ID, which you can find as the value of the CMS_NODEID variable in this location:

    &*rhilev*..&*sys*..RKANPAR(KDSENV)
16. Select the appropriate communications protocol and click OK.

17. On the next window, provide any values required by your communications protocol. (For example, if your protocol is TCP/IP, you are prompted for the TCP/IP host name and port number of the Candle Management Server to be seeded.)
18. On the Select Product to Seed CMS window, select the products whose seed data you want to add to the Candle Management Server configuration, and click OK.
19. When the seeding is complete (this might take several minutes), the Seed Data Operation Complete window gives you information about seeding status and seed data location. Click **Save As** if you want to save the information in a text file. Click **Close** to close the window.

Registering the agent with a non-local hub Candle Management Server on z/OS

1. Start the Configuration Tool in the CSI where the Candle Management Server is installed, and navigate to the Runtime Environments (RTEs) panel. For instructions, see "Step 1. Set up Your Configuration Environment" on page 29.
2. Verify that the Candle Management Server is not running.
3. Enter **C** (Configure) for the RTE where the Candle Management Server is installed.

   Result: The Product Component Selection menu is displayed.
4. On the Product Component Selection menu, select OMEGAVIEW II for the Enterprise.
5. On the Configure OMEGAVIEW II for the Enterprise menu, select **Install product-provided solutions into local CMS**.

   If the agent has already been registered, a panel prompts you to confirm. If you enter Y, you are placed in TSO edit mode with the batch job.
6. Enter **Submit** to submit the batch job. Verify that the job runs successfully before proceeding.
7. Press F3 until you return to the Runtime Environments (RTEs) panel.
8. Enter **L** to load the target libraries to the runtime libraries for the RTE.
9. To exit the Configuration Tool, press the END key repeatedly until you return to the TSO Command Processor.

Registering with and seeding a hub Candle Management Server on Windows

If the Candle Management Server is installed on Windows, you will install the seed data on the Windows workstation that hosts the Candle Management Server. Then you will use Manage Candle Services to seed the Candle Management Server and register the agent with it in a single operation.

1. Under a user ID with Administrator authority, log onto the Windows workstation that hosts the Candle Management Server.
2. If you have not already configured and started the Candle Management Server, do so now. For instructions, see *Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX*.
3. Insert the *IBM Tivoli OMEGAMON Data Files for z/OS* CD into the CD-ROM drive.

   Installation begins automatically. If the InstallShield Wizard does not start, go to CD directory WINDOWS and run **setup.exe**. If **setup.exe** initialization fails, you do not have enough disk space to extract the setup files.
4. Read the text that welcomes you to the installation, and click **Next** to continue.
5. Read the software license agreement and click **Accept**.
6. Read the text that explains version support, and click **OK**.
7. On the Select Features window, click the **+** sign next to Candle Management Server to expand the tree.
8. Select OMEGAVIEW II for the Enterprise Support for Candle Management Server, and click **Next**.
9. Check the settings on the Start Copying Files window, and click **Next**.

   The OMEGAVIEW II for the Enterprise seed data are installed on CandleNet Portal.
10. On the Setup Type window, select **Launch Manage Candle Services**, and click **Next**.
11. On the InstallShield Complete window, click **Finish**.
12. If Manage Candle Services does not launch automatically, select **Start > Programs > Candle OMEGAMON XE > Manage Candle Services**.
13. From the Actions menu in the Manage Candle Services window, select **Advanced > Seed CMS....**
14. On the Seed CMS window, select **On this computer** and click OK.
15. On the Select Product to Seed CMS window, select the products whose seed data you want to add to the Candle Management Server configuration, and click OK.
16. When the seeding is complete (this might take several minutes), the Seed Data Operation Complete window gives you information about seeding status and seed data location. Click **Save As** if you want to save the information in a text file. Click **Close** to close the window.

Registering with and seeding a hub Candle Management Server on UNIX (GUI)

If the Candle Management Server is installed on UNIX, you will install the seed data on the UNIX system that hosts the Candle Management Server. Then you will use Manage Candle Services to seed the Candle Management Server and register the agent with it in a single operation.

1. If you have not already configured and started the Candle Management Server on the UNIX system, do so now. For instructions, see *Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX*.
2. Mount the *IBM Tivoli OMEGAMON Data Files for z/OS* CD into the CD-ROM drive.
3. From the root directory of the CD-ROM on the system that hosts the Candle Management Server, run **install.sh**:

   ./install.sh -h *$candlehome*

   where $*candlehome* is the home directory for the OMEGAMON Platform and Tivoli OMEGAMON XE products on the system.
4. Enter **y** in response to the prompt asking whether you want to use the existing $*candlehome* directory.
5. Enter **1** to select the GUI installation.
6. Click **Install** in the left column of the Welcome window, then click **Install** in the menu bar at the bottom of the window.
7. On the Select Products to Install window, use the drop-down list to select **_CMS data for products running on UNIX**.
8. Use the check boxes to select all the products you have installed, and click **Install**.

   The Manage Candle Services window opens and displays messages like these:

   Installing CMS data for <*agent*>, please wait...
   Changed access permissions on <$*candlehome*> to <*pattern*>.
   Executing permissions script.
   Permission script finished.
9. In Manage Candle Services, right-click Candle Management Server and select **Seed > Advanced Seed**.
10. On the Seed Products window, select all the products you want to seed, and click **Seed**.

    The Candle Management Server is started, if it is not already running. Messages like these will appear:

    Copying CAT and ATTR files.
    Starting CMS, please wait...
    Executing Candle Management Server startup script.
    CMS started.
    Seeding for <*agent*>.
    Seeding complete.
    Stopping CMS.

Registering with and seeding a hub Candle Management Server on UNIX (command line)

If the Candle Management Server is installed on UNIX, you will install the seed data on the UNIX system that hosts the Candle Management Server. Then you will seed the Candle Management Server and register the agent with it in a single operation.

To complete this process successfully, the Candle Management Server must be in the same *$candlehome* structure as defined by the *$candlehome* environment variable or the command-line **-h** option. Scripts are located in *$candlehome*/bin.

1. If you have not already configured and started the Candle Management Server on the UNIX system, do so now. For instructions, see *Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX*.
2. Mount the *IBM Tivoli OMEGAMON Data Files for z/OS* CD into the CD-ROM drive.
3. From the root directory of the CD-ROM on the system that hosts the Candle Management Server, run **install.sh**:

   ./install.sh -h *$candlehome*

   where $*candlehome* is the home directory for the OMEGAMON Platform and Tivoli OMEGAMON XE products on the system.
4. Enter **y** in response to the prompt asking whether you want to use the existing $*candlehome* directory.
5. Enter **2** to select the command-line installation.
6. When you are prompted to select an operating system, enter **18** for **_CMS data for products running on UNIX**.
7. Enter **y** to accept the selection.
8. Enter the numbers that correspond to the products for which you want to install seed data.
9. Enter **y** to accept the selection.
10. When you are prompted to select another operating system, enter **n**.
11. To seed the Candle Management Server with the data you just installed, issue the CandleSeed command:

    ./CandleSeed -t *cms_name pc pc pc pc pc ...*

    where *pc* is a two-character product code. The code for OMEGAVIEW II for the Enterprise is **wo**.
12. Stop the Candle Management Server by entering this command:

    ./CandleServer stop *cms_name*
13. Restart the Candle Management Server by entering this command:

    ./CandleServer start *cms_name*

Step 7. Complete the Configuration

The following sections describe the tasks required to finish configuration of OMEGAVIEW and OMEGAVIEW II for the Enterprise after you exit the Configuration Tool.

Copying the procedures for the started task to your procedure library

When you use the Configuration Tool to configure a product or component, the Configuration Tool creates the started task procedures. You must copy the started task procedures for OMEGAVIEW and OMEGAVIEW II for the Enterprise from *rhilev.midlev.*RKANSAM to your procedure library (PROCLIB).

Copying the VTAM definitions and activating the VTAM node

The Configuration Tool created VTAM definitions for OMEGAVIEW and OMEGAVIEW II for the Enterprise. To complete the configuration, you must copy the VTAM definition to VTAMLST and activate the VTAM major node.

1. Copy the VTAM definition from *rhilev.midlev.*RKANSAM to VTAMLST.

   The VTAM definition in *rhilev.midlev.*RKANSAM has the same name you specified using the Configuration tool for either the VTAM major node or the global VTAM major node. The default is KCANDLE1.

2. Activate the VTAM major node using the following command.

   V NET,ACT,ID=*ccccccccc*

   where *ccccccccc* indicates the VTAM major node you specified in the Configuration Tool.

VTAM logon mode table requirements

The standard logmode table entry, **SNX32704**, is required to establish OMEGAVIEW virtual terminal sessions. If this logmode table entry is not available, any 327*x* Mod 2-4 logmode that supports extended color and highlighting can be used. Mod 4 is best because it enables you to display the most data (44 lines) in the CUA interface. If an alternate logmode table entry is used, you must specify it while defining the status data collector sessions.

IBM distributes a VTAM Logon Mode Table that contains a variety of standard logmode table entries which includes SNX32704. These are modeled after several default logmode table entries distributed in the ISTINCLM member.

1. Use the IBM-supplied JCL in *rhilev.*RKANSAM(KLV@ASM) to assemble and link-edit the IBM supplied VTAM Logon Mode Table in *rhilev.*RKANSAM(KLVINCLM) to store the new table in your site's SYS1.VTAMLIB.

   If you are running VTAM Version 3.4 or above, you must add SYS1.SISTMAC1 to the SYSLIB concatenation in *rhilev.*RKANSAM(KLV@ASM). See IBM APAR II06707 for details regarding this requirement.

2. Add the MODETAB=KLVINCLM parameter to all of the virtual terminal APPL definitions in the member for the VTAM major node in SYS1.VTAMLST.

Security considerations

If your security system restricts data set access, you must give the OMEGAVIEW startup procedure access to the high-level data set name that you specified for the target libraries. The OMEGAVIEW startup proc requires WRITE access to the following runtime VSAM data sets, which start with *rhilev.midlev*

- RKMVDATA
- RKMVNAM
- RKMVSESS
- RKMVSTAT
- RKMVTDB
- RKMVVLOG

The startup proc requires READ access to all other data sets.

See "Setting Up Security" on page 161 for more information.

APF authorization

APF-authorize OMEGAVIEW to enable the software to take advantage of the ACF/VTAM-authorized path and also to make itself nonswappable. The VTAM authorized path provides performance improvements for OMEGAVIEW virtual sessions. Additionally, OMEGAVIEW must be APF-authorized if you use an external security interface, such as RACF® or CA-TOP SECRET.

If you choose to APF-authorize OMEGAVIEW, the following OMEGAVIEW load library, which starts with *rhilev*, must be APF-authorized:

- RKANMODL

If you choose *not* to APF-authorize the load library, you must delete SRBEXIT=YES from all the application definitions in the member for the VTAM major node in SYS1.VTAMLST.

Do not use the Program Properties Table (PPT) to make OMEGAVIEW nonswappable because it will not complete its initialization successfully

Dispatching priority

Give OMEGAVIEW the same dispatching priority as the OMEGAMON systems being monitored, and ensure that the monitored OMEGAMON products are nonswappable. Run OMEGAVIEW at a lower dispatching priority than that of VTAM.

Configuring the OMEGAVIEW software to connect to OMEGAMON II components

If you want the OMEGAVIEW software to connect to OMEGAMON II components of Tivoli OMEGAMON XE products, install OMEGAVIEW and OMEGAMON II in the same CSI, using the same target and distribution zones.

If you choose to install them in separate CSIs, CT/Engine must be running at the same maintenance level in both the OMEGAVIEW and OMEGAMON II address spaces. (CT/Engine is a component used by all OMEGAMON products running on z/OS.)

Configuring OMEGAVIEW and OMEGAMON II in different RTEs (same CSI)

After installing OMEGAVIEW and the OMEGAMON II product in the same CSI, navigate to the Runtime Environments panel of the Configuration Tool and use action code L (Load Libs after SMP/E) to load the libraries for the RTEs that contain both the OMEGAVIEW software and the OMEGAMON II product.

Configuring OMEGAVIEW to connect to products in other CSIs

It is best to install OMEGAVIEW in the same CSI as any Tivoli OMEGAMON XE products containing OMEGAMON II components with which you want OMEGAVIEW to establish sessions. Installing OMEGAVIEW in a separate CSI from the OMEGAMON products adds unnecessary complexity to your product maintenance cycle. Installing these products in the same CSI allows SMP/E to resolve product dependencies and allows the Configuration Tool to automate the rollout of maintenance updates to your RTEs.

However, if you cannot install these products in the same CSI, follow this procedure.

1. Add the *rhilev.rte*.RKANPAR data sets for the Tivoli OMEGAMON XE product to the RKANPAR DD concatenation for OMEGAVIEW.
2. In the member that contains the JCL for the OMEGAVIEW started task, add:
   - the *rhilev*.RKANPENU data set for the Tivoli OMEGAMON XE product to the RKANPENU DD concatenation for the OMEGAVIEW software.
   - the *rhilev*.RKANHENU data set for the Tivoli OMEGAMON XE product to the RKANHENU DD concatenation for the OMEGAVIEW software.
3. In the member that contains the JCL for the OMEGAMON II CUA started task, add:
   - the *rhilev*.RKANMODL data set for OMEGAVIEW to the STEPLIB DD concatenation for the OMEGAMON II software.
   - the *rhilev*.RKANMODL data set for OMEGAVIEW to the RKANMODL DD concatenation for the OMEGAMON II software.
   - the *rhilev*.RKANPENU data set for OMEGAVIEW to the RKANPENU DD concatenation for the OMEGAMON II software.
   - the *rhilev*.RKANHENU data set for OMEGAVIEW to the RKANHENU DD concatenation for the OMEGAMON II software.
4. Start the OMEGAMON II and OMEGAVIEW started task controls (STCs).
5. Look for this Status Data Manager (SDM) message in the RKLVLOG in both STCs:

   ptf*nnnn* SDM FUNCTION PACKAGE',CLASS=KLE

The message indicates that the SDM component is starting in the OMEGAMON II CUA address space. Use it to confirm that the SDM component is running at the same level in both OMEGAVIEW and OMEGAMON II.

6. Review the RKLVLOG startup messages for OMEGAVIEW and OMEGAMON II CUA to determine the CT/Engine build levels.
   A. During OMEGAVIEW startup, look for these messages:
      KLVST026 associated with the KLV$* modules, indicating build level L18*nnnn*.
      KLVST026 associated with the KDS* modules, indicating build level L35*nnnn*.
   B. During OMEGAMON II CUA startup, look for message KLVST026 associated with the KLV$* modules, indicating build level L18*nnnn*.
   C. Confirm that the build levels match. If they do not, apply and load the applicable maintenance

NetView considerations

If you use NetView®, these guidelines pertain to the OMEGAVIEW-to-NetView interface:

- The NetView module CNMNETV is required, either in the link pack area (LPA) or concatenated in the OMEGAVIEW startup procedure steplib.
- NetView must be running on the same CPU as the OMEGAVIEW software.
- You must have installed and activated the NetView PPI (CNMCALRT) program.

If you are sharing the RKANMODL library with OMEGAVIEW, the following messages may appear on the system log:

```
CSV003I  REQUESTED MODULE CNMNETV NOT FOUND
CSV028I  JOBNAME=statmon STEPNAME=statmon
CSV003I  REQUESTED MODULE AOSIM NOT FOUND
CSV028I  JOBNAME=statmon STEPNAME=statmon
```

These messages are issued for OMEGAVIEW when the NetView interface is installed but the modules are not in the link pack area or in the OMEGAVIEW STEPLIB DD statement.

See "Managing Alerts" on page 125 for further information about the NetView interface.

Support for a large number of sessions

In the *rhilev.midlev*.RKANPAR(KMVSYSIN) member, make the following changes:

- Increase the number of LSRPOOLs as follows:

```
LSRPOOL(32768,3)     (for example no change for this pool)
LSRPOOL(4096,256)
LSRPOOL(2048,256)
```

- change the MINIMUM parameter as follows:

```
MINIMUM(82500,X)
```

This should support roughly 300 Configuration Manager sessions.

Reconfiguring OMEGAVIEW and OMEGAVIEW II for the Enterprise

If you reconfigure either OMEGAVIEW or OMEGAVIEW II for the Enterprise, you must reconfigure both. See "When to create runtime members" on page 37.

Step 8. Verify the Configuration

Verifying the OMEGAVIEW configuration

Follow this procedure to verify that OMEGAVIEW has been installed and configured properly.

1. Activate the OMEGAVIEW VTAM major node (***mvnode*** that you copied to your SYS1.VTAMLST) from your z/OS Console. Use this command:

   VARY NET,ACT,ID=*mvnode*

   The JCL used to start the OMEGAVIEW address space (that you copied to your SYS1.PROCLIB) contains a VARY statement that is distributed as a JCL comment. Uncomment the VARY statement if you want the VTAM major node automatically varied active whenever you start the OMEGAVIEW address space.

2. Start OMEGAVIEW from your z/OS Console. Use this command:

   S *cccccccc*

   where *cccccccc* is the started task name you specified for OMEGAVIEW in the Configuration Tool.

   As the OMEGAVIEW address space initializes, startup messages appear on the SYSLOG. When you receive the following message, OMEGAVIEW is ready for you to sign on:

   KLVIN408 CANDLE ENGINE VERSION nnn READY ON smfid(sernum): GSA(hexadd)

   where:

Syntax	Definition
smfid	the CPU SMFID
sernum	the CPU serial number
hexadd	the Global Storage Area (GSA) hex address

Notes

When OMEGAVIEW is started for the first time, VSAM IDC-prefixed error messages are expected because the VSAM data sets are empty (not initialized). However, the data sets are initialized automatically, and OMEGAVIEW startup proceeds normally. The messages are informational only.

VSAM IEC-prefixed messages may also appear in the log at startup. These are also normal and informational only.

If you do not have Tivoli AF/OPERATOR installed, OMEGAVIEW issues an informational message indicating it could not find the requested module, AOSIM. OMEGAVIEW startup proceeds normally.

An informational message indicating that the module KSDEXTRN was not installed in any target library occurs because OMEGAVIEW does not use the module; it provides KSDEXTRN for use by other IBM Tivoli products. OMEGAVIEW startup proceeds normally.

After abnormal termination (such as cancel, abend, or IPL), OMEGAVIEW may fail to start because the VSAM runtime data set, RKMVNAM, did not close properly. OMEGAVIEW displays a KLV-prefixed message about RKMVNAM just prior to the OMEGAVIEW started task ending. If this occurs, issue the stop command to close the NAM, even though the address space has terminated (see step 4 on page 53), and then restart the started task for OMEGAVIEW.

If additional messages are displayed that raise concerns, see *IBM Tivoli Candle Products Messages*. If necessary, contact IBM Software Support.

3. Log onto the OMEGAVIEW software.

   When the OMEGAVIEW address space is up and initialized, you may gain access through your VTAM attached terminal by using:

   LOGON APPLID(*cccccccc*)

   where *cccccccc* is the logon applid you specified using the Configuration Tool.

   When the logo screen appears, press Enter. When the OMEGAVIEW sign-on panel is displayed, type the user ID and password that give access to the OMEGAMON products you want to monitor.

   When you log onto OMEGAVIEW for the first time, OMEGAVIEW places you automatically in the Configuration Manager with the cursor in the Action column of a panel on which no OMEGAMON sessions have been defined. You need to add at least one session and build the default panel before you get any data on your screen. For instructions on adding sessions, see "Working With Sessions" on page 67.

   When you finish defining the status data collector sessions, OMEGAVIEW automatically starts sessions with the products you have listed, builds the default status panel, and loads the sample panels and templates. If you want to re-enter the Configuration Manager later, you can access it from the Tools pull-down menu on the action bar.

   The installer is the first OMEGAVIEW System Administrator. The System Administrator can grant Administrator authority to other users.

4. Stop the OMEGAVIEW software.

   Before you stop the OMEGAVIEW startup procedure, make sure that all users either log off OMEGAVIEW or stop all active sessions under OMEGAVIEW.

   To stop the OMEGAVIEW startup procedure, issue the following z/OS STOP command, where ***cccccccc*** is the started task name you specified using the Configuration Tool.

   ```
   P cccccccc
   ```

   If the OMEGAVIEW address space does not terminate within two minutes, issue a second command to force completion of the shutdown process.

Verifying the OMEGAVIEW II for the Enterprise configuration

1. Start the Candle Management Server. For instructions, see *Configuring IBM Tivoli Candle Management Server on z/OS* or *Installing and Setting up OMEGAMON Platform and CandleNet Portal on Windows and UNIX*.
2. Activate the VTAM major node for the OMEGAVIEW II for the Enterprise agent.
3. Start the started tasks for OMEGAVIEW and OMEGAVIEW II for the Enterprise.
4. On the Windows workstation that hosts the CandleNet Portal Server and client, start these components from Manage Candle Services.
5. Use the CandleNet Portal client interface to verify that status data are being displayed for the OMEGACENTER Bridge node in the Navigator.

Section 2.
Administration Tasks

This section gives instructions for administering the OMEGAVIEW software.

These are the chapters in this section.

3

Your Role as OMEGAVIEW System Administrator

Introduction

This chapter introduces you, the OMEGAVIEW System Administrator at your site, to the tasks associated with your role. Of course, these tasks vary from site to site, but most of the tasks require a user to have Administrator authority. As System Administrator, you define how OMEGAVIEW functions at your site, and you are responsible for making any changes to its configuration.

Chapter Contents

System Administrator Tasks

List of system administrator responsibilities

The System Administrator has the authority to perform the tasks listed below. The list also references where you can go to receive more information about a particular task.

Note: *Some options in the Configuration Manager may be performed by users with authority levels other than System Administrator. See* "Assigning User Authorities" on page 137 *for a complete description of user authorities.*

Task	For more information, see
Learn about the Configuration Manager's pull-down menus and options	*Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*
Learn about how OMEGAVIEW works with OMEGAMONs	"What are OMEGAVIEW and OMEGAVIEW II for the Enterprise?" on page 18
Start and stop OMEGAVIEW	"Starting and Stopping OMEGAVIEW and Its Sessions" on page 61
Start and stop sessions	"Starting and Stopping OMEGAVIEW and Its Sessions" on page 61
Define sessions and session defaults	If you are adding an OMEGAMON session for the first time, see "Step 7. Complete the Configuration" on page 47. For general information on sessions, see "Working With Sessions" on page 67.
Export and import information	"Exporting and Importing Session Definitions" on page 95, "Exporting and Importing Status Items" on page 83, and "Exporting and Importing Panels and Templates" on page 105.
Set switch and zoom controls	"Setting Switch and Zoom Controls" on page 109
Set zoom destinations	"Setting Zoom Destinations" on page 115
Set OMEGACENTER Status Manager for MVS™ (OSM/MVS) session options	"Enabling Navigation to OMEGACENTER Status Manager for MVS" on page 121
Manage alerts for NetView and Tivoli OMEGACENTER Gateway using the Alerts Manager	"Managing Alerts" on page 125
Assign other users to OMEGAVIEW and define their authority levels	"Assigning User Authorities" on page 137
Set profiles for users	"Using Profiles" on page 141
Set thresholds for session information	"Setting Thresholds" on page 153
Enable password storage	"Storing Passwords" on page 157
Set up system security	"Setting Up Security" on page 161

Displaying Active OMEGAVIEW Users

Using the OMEGAVIEW Users option

As System Administrator, you may want to display a list of all the users currently logged onto OMEGAVIEW.

Displaying OMEGAVIEW users procedure

Follow this procedure to display the users list:

➺ From the Configuration Manager, select **Tools** and press Enter. Then, from the Tools menu, select **OMEGAVIEW Users** and press Enter.

The OMEGAVIEW Users panel is displayed.

- The **User ID** column shows the User ID specified on the OMEGAVIEW Entry Validation screen when the user logged onto OMEGAVIEW.
- The **Terminal** column shows the VTAM ***acbname*** used to connect OMEGAVIEW to the user's terminal.
- The **Date and Time** columns show the date and time when the user logged onto OMEGAVIEW.

Starting and Stopping OMEGAVIEW and Its Sessions

Introduction

This chapter explains how to start, sign onto, and stop OMEGAVIEW and how to start and stop OMEGAVIEW sessions.

Chapter Contents

Starting, Signing onto, and Stopping OMEGAVIEW

User authority required

You need Administrator authority to start and stop OMEGAVIEW.

Starting OMEGAVIEW

Use the following procedure to start OMEGAVIEW.

1. Issue the following z/OS console operator command:

   S *ccccccc*

   where ***ccccccc*** is the started task name you specified for OMEGAVIEW in the Configuration Tool.

2. Monitor the console messages issued by the task. You can sign onto OMEGAVIEW after the following message appears:

   KLVIN408 CANDLE ENGINE VERSION nnn READY ON...

Restarting OMEGAVIEW

Use the following procedure to restart OMEGAVIEW after a VTAM outage.

1. Issue the following z/OS console operator command:

   F *ccccccc*,KMVSTART

   where ***ccccccc*** is the started task name you specified for OMEGAVIEW using the Configuration Tool.

2. Monitor the console messages issued by the task. You can sign onto OMEGAVIEW after the following message appears:

   KLVIN408 CANDLE ENGINE VERSION nnn READY ON...

Signing onto OMEGAVIEW

Use this procedure to sign onto OMEGAVIEW.

Step	Action	Result
1	From a terminal, type **LOGON APPLID(applid)** where ***applid*** is the OMEGAVIEW application ID as defined in your installation. Press Enter.	OMEGAVIEW displays the logo screen.
2	Press Enter at the logo screen to display the OMEGAVIEW sign-on panel. From this panel, type your user ID and password, and press Enter.	OMEGAVIEW displays the main panel or, if this is the first time you have signed on, the Configuration Manager.

Stopping OMEGAVIEW

Before you stop the OMEGAVIEW started task, make sure that all users either log off or stop all active sessions under OMEGAVIEW. To stop OMEGAVIEW, issue this z/OS console operator command:

P *ccccccc*

where ***ccccccc*** is the started task name you specified for OMEGAVIEW in the Configuration Tool.

If the OMEGAVIEW address space does not terminate within 2 minutes, issue the command again to force completion of the shutdown process.

Starting and Stopping Sessions

You can:

- start and stop individual status data collector sessions
- start and stop all sessions automatically using the Session Manager

Note: *The Session Manager starts automatically when you start the OMEGAVIEW address space. You will need to stop the Session Manager when you change threshold values so that OMEGAVIEW will stop all OMEGAMON sessions for you; you can then restart the Session Manager, and all new data collected by your sessions will reflect the new threshold values.*

User authority required

You need Administrator or operator authority to start and stop sessions.

Configuration Manager sample panel

```
____  Actions  Edit  Tools  Profiles  View  Options  Help
 ------------------------------------------------------------------------------
                            Configuration Manager

Type one or more action codes, then press Enter.
  A=Add  C=Change  D=Delete  M=Model  N=Rename
  R=(Re)Start  P=Stop  Session

Action  Session Name   Status      Type      Description
------  ------------  --------  ----------  ----------------------------------
  _     OM2CUA        NoAuto    OM/II       OMEGAMOM II for MVS
  _     OI2CUA        NoAuto    OI/II       OMEGAMON II for IMS
  _     OMCLASIC      NoAuto    OM-MVS      OMEGAMON for MVS (Classic)
  _     DF160         NoLogon   **Rec#3     OMEGAMON II for SMS
  _     ON400         NoLogon   **RecMAX    OMEGAMON II for VTAM
  _

F1=Help  F2=Keys  F3=Exit  F10=Action Bar F14=Find
```

Starting and stopping collector sessions

Use the following procedure to start or stop collector sessions.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the Configuration Manager option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	To start or stop sessions from the Configuration Manager: ■ Type **R** in the action column next to the session you want to start and press Enter. ■ Type **P** in the action column next to the session you want to stop and press Enter.	OMEGAVIEW starts or stops the session.

Starting or stopping the Session Manager

Use the following procedure to start or shut down the Session Manager.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the Configuration Manager option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Options** from the Action Bar and press Enter.	OMEGAVIEW displays the Options pull-down menu.
3	Select **Start Session Manager** or **Shutdown Session Manager** from the Options pull-down menu. Press Enter.	OMEGAVIEW starts or shuts down all sessions. ***Note:*** *The session status is reflected in the status field of the Configuration Manager.*

5 Working With Sessions

Introduction

As a user with Administrator authority, you can use certain OMEGAVIEW options to manage your site's use of OMEGAVIEW. For example, you can add a new session to appear in the Configuration Manager. If you want to add a new session that copies the session information from another session, you can *model* that session. After you define the sessions, you can set defaults that affect how all the sessions work.

Chapter Contents

Adding, Changing, and Deleting Sessions

You can add new sessions, make changes to existing sessions, and delete sessions you no longer use. For information on adding a new session for a specific OMEGAMON product, see "Step 7. Complete the Configuration" on page 47.

User authority required

You need Administrator authority to add, change, and delete sessions.

Add Session Information sample panel

The Add (or Change) Session Information panel is shown below. The fields may vary depending on the type of OMEGAMON product you are using.

Note: *Whether you use the OMEGAVIEW software in English or Japanese, you must supply the English applid in the VTAM applid field, This is so that when IBM Software Support is debugging a problem, trace and error messages are issued in English. The language of the applid specified in the session definition has no affect on zoom or data collection operations. If you inadvertently enter a non-English applid, the message* ***Could not find version on first screen*** *displays.*

```
                          Add Session Information

Session Name . . . . . . . . . . TEST      Managed System . . _________
Type . . . . . . . . . . . . . . : OM-CICS
Description  . . . . . . . . . .

OMEGAMON for CICS VTAM applid  .
CICS region name . . . . . . . .
Additional OMEGAMON parms  . . .
User data suffix . . . . . . . .           Blank for default
Logical rows . . . . . . . . . . 255       99 - 999
Exception analysis . . . . . . . On   +    On/Off
Response time analysis . . . . . On   +    On/Off
DASD analysis  . . . . . . . . . On   +    On/Off
DASD filter  . . . . . . . . . . $DEFAULT  +
Logon profile name . . . . . . . $DEFAULT  +
Session automatic startup  . . . No   +    Yes/No
Session update interval  . . . . 60        15 - 9999 seconds
Collector timeout interval . . . 90        (variable)
Session automatic reconnect  . . Yes  +    Yes/No
Automatic reconnect limit  . . . 8         0 - 99
VTAM LOGMODE table entry name  . SNX32704
Country  . . . . . . . . . . . .                        +
Region . . . . . . . . . . . . .                        +
State  . . . . . . . . . . . . .                        +
City . . . . . . . . . . . . . .                        +
Data Center  . . . . . . . . . .                        +
System ID  . . . . . . . . . . .                        +
Subsystem  . . . . . . . . . . .                        +
Application  . . . . . . . . . .                        +

F1=Help   F4=Prompt  F12=Cancel
```

Procedure

To add a new session or change an existing session, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, you can ■ Add a new session. Type **A** in the Action column and the name of the session you want to add in the session name field and press Enter. ■ Change an existing session. Type **C** in the Action column and the name of the session you want to change in the session name field or position the cursor next to the desired session name and type **C**. Press Enter. ■ Delete an existing session. Type **D** in the Action column and the name of the session you want to delete in the session name field or position the cursor next to the desired session name and type **D**. Press Enter. OMEGAVIEW deletes the session.	If you are adding a new session, OMEGAVIEW displays the Session Type panel. Go to Step 3. If you are changing an existing session, OMEGAVIEW displays the Change Session Information panel and places the cursor at the description field. Go to Step 4.
3	On the Session Type panel, select the type of session to add by typing the selection number. Press Enter.	OMEGAVIEW displays the Add Session Information panel and places the cursor at the description field.
4	On the Add (or Change) Session Information panel, complete the fields and press Enter. For more information, see "Defining a Managed System Name" on page 167. ***Note:*** *For information about a specific field, place the cursor on the field and press F1.* Some terminal types do not display all the fields on one panel. In this case, press F8 to display the remaining fields.	If you are *adding* a new session, OMEGAVIEW adds the session information to the Configuration Manager. To start the new session, follow Steps 5 through 9. If you are *changing* an existing session, OMEGAVIEW makes the change to the existing session information in the Configuration Manager. To restart the session, follow Steps 5 through 9.
5	Type **R** in front of the new session to start the session and press Enter.	The status of the session changes to Active. (In some cases the status changes to Starting before it becomes Active.)

Step	Action	Result
6	From the Configuration Manager 1. Select **Tools** from the Action Bar. 2. Select the **Default Status Panel Builder** option.	OMEGAVIEW displays the Terminal Type Selection panel.
7	From the Terminal Type Selection panel, select the number of rows and columns appropriate to your terminal type and press Enter.	OMEGAVIEW displays a message indicating that the panel build is complete.
8	Press F3 to exit the Configuration Manager.	OMEGAVIEW displays the default Status Panel.
9	Select **Files** from the Action Bar and follow these steps: 1. Select **Open** from the Files pop-up. Press Enter. 2. Enter the name of the default OMEGAVIEW panel, **$DFLT1**. 3. Press Enter.	OMEGAVIEW displays the status lights for the new OMEGAMON session. When you define a new session to Configuration Manager, and do not start it successfully before exiting Configuration Manager, the lights may be turquoise when the session is eventually started (status=Active). Currently, OMEGAVIEW does not have an automatic response for this sequence of events. Follow these steps if you have an Active session with turquoise lights: 1. At the OMEGAVIEW main panel, press F3 to get the Exit OMEGAVIEW confirmation panel (but do not exit OMEGAVIEW). 2. Choose **Return to OMEGAVIEW**. This causes the status handle to get the current value. An alternative method is to rebuild the OMEGAVIEW main panel.

Modeling Sessions

You can use the Model Session feature to add a new session to the Configuration Manager, copying the information from an existing session. For example, you can add a second OMEGAMON for CICS session that uses the same data as the first session, supplying only the new session and region names.

User authority required

You need Administrator authority to model sessions.

Procedure

To model a new session after an existing session, follow the steps below.

Note: *For information about a specific session field, place the cursor on the field and press F1.*

Some terminal types do not display all the fields on one panel. In this case, press F8 to display the remaining fields.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, type **M** in the Action column next to the name of the session you want to model the new session after. Press Enter.	OMEGAVIEW displays the Model Session Information panel, placing the cursor at the session name field. All input fields are filled except for the session name.
3	Type the name of the new session and any other session information you wish to supply. Press Enter.	OMEGAVIEW adds the new session to the Configuration Manager.
4	Type **R** in front of the new session and press Enter to start the session.	The status of the session changes to active. (In some cases the status changes to starting before it becomes active.)
5	From the Configuration Manager 1. Select **Tools** from the Action Bar. 2. Select the **Default Status Panel Builder** option.	OMEGAVIEW displays the Terminal Type Selection panel.
6	From the Terminal Type Selection panel, select the number of rows and columns appropriate to your terminal type and press Enter.	OMEGAVIEW displays a message indicating that the panel build is complete.
7	Press F3 to exit the Configuration Manager.	OMEGAVIEW displays the default Status Panel.

Step	Action	Result
8	Select **Files** from the Action Bar and follow these steps: **1.** Select **Open** from the Files pop-up. Press Enter. **2.** Enter the name of the default OMEGAVIEW panel, **$DFLT1**. **3.** Press Enter.	OMEGAVIEW displays the status lights for the new OMEGAMON session.

Renaming a Session

Use the rename feature to change the name of an existing session. OMEGAVIEW automatically changes all the references in panels from the original name to the new session name. You cannot rename an active session, and the panel editor must not be in use while renaming sessions.

User authority required

You need Administrator authority to rename a session.

Rename session sample panel

The Rename Session pop-up is shown below.

```
                Rename Session

Current session name . . . . . : Z_CICS
New session name . . . . . . . . ________

F1=Help  F12=Cancel
```

Rename Session procedure

To rename a session, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	Access the Rename Session pop-up using either of the following methods: ■ Type **n** in the action field next to the session name you want to change. Press Enter. ■ From the Action Bar, type **E** to access the Edit pull-down menu. Select **Rename Session** and press Enter.	OMEGAVIEW displays the Rename Session pop-up.

Step	Action	Result
3	Type the new session name in the indicated field. Press Enter.	OMEGAVIEW scans all the panels, changing the session name when necessary. When scanning is complete, OMEGAVIEW displays the new session name in the Configuration Manager. ***Note:*** *Editing of any of the session's panels during the scanning process causes the rename to fail. OMEGAVIEW displays an error message and cancels any panel changes made previous to the error.*
4	From the default Status Panel 1. Select **Tools** from the Action Bar. 2. Select the **Default Status Panel Builder** option.	OMEGAVIEW displays the Terminal Type Selection panel.
5	From the Terminal Type Selection panel, select the number of rows and columns appropriate to your terminal type. Press Enter.	OMEGAVIEW displays a message when the panel build completes.
6	Select **Files** from the Action Bar and follow these steps: 1. Select **Open** from the Files pop-up. Press Enter. 2. Enter the name of the default OMEGAVIEW panel, **$DFLT1**. 3. Press Enter.	OMEGAVIEW displays the status lights for the new OMEGAMON session.

Using the View Filter

You can control how sessions are displayed in the Configuration Manager with the View pull-down menu. OMEGAVIEW also provides a function key (F5) that refreshes the Configuration Manager display with the current session information from all the OMEGAVIEW sessions. This feature is especially useful when many sessions are defined to OMEGAVIEW.

Note: *OMEGAVIEW displays the default view, all sessions sorted by session name in ascending order, each time you log on. Any changes you make to the default view remain in effect for the duration of your OMEGAVIEW session.*

User authority required

You can use this feature if you have access to the Configuration Manager.

View pull-down sample panel

The View pull-down panel is shown below.

```
   1. All
   2. Some...
   3. Sort by session name (N)...
   4. Sort by current status (C)...
   5. Sort by type (T)...
   6. Sort by description (D)...

F1=Help  F12=Cancel
```

Procedure

To sort sessions appropriate for your needs, follow this procedure.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **View** and press Enter.	OMEGAVIEW displays the View pull-down.
3	From the View pull-down, choose one of the following. You can ■ display all the sessions. Select **All** and press Enter. ■ view some sessions by specifying session filters. Go to Step 4. ■ sort through sessions to display them by session name, status, type, or description. Go to Step 5.	OMEGAVIEW displays *All* the sessions defined to OMEGAVIEW.
4	To specify certain sessions to display, select **Some** and press Enter. OMEGAVIEW displays the View Some pop-up. The Configuration Manager compares session information to the data you specify in the value fields. For a list of valid conditions and values, press F4. Specify the conditions and values of the sessions you want to display and press Enter. Some examples are shown in the next section. ***Note:*** *When you want to change all the conditions and values on the View Some pop-up, press F6 to clear all the fields.*	OMEGAVIEW displays the sessions as *you specified*.
5	Select whether you want to sort sessions by session name, current status, type, or description.	OMEGAVIEW displays the appropriate pop-up.

Step	Action	Result
6	Type the desired sort sequence in the blank field. You can choose **ascending** if you want the sessions displayed in low to high order or **descending** if you want the sessions displayed in high to low order. For example, if you choose to sort sessions by session name in ascending order, OMEGAVIEW displays the sessions in alphabetical order from A to Z. If you sort the same sessions in descending order, the sessions are displayed from Z to A.	OMEGAVIEW displays the sessions as *you specified*.

Examples of view some conditions

The table below shows possible View Some conditions and the results.

If you want to display...	Specify...
OMEGAMON for CICS sessions with an Active status	the generic name you use for all your OMEGAMON for CICS sessions (for example, *OM/CICS**) in the session name field on the View Some pop-up. Then, sort the sessions by current status. OMEGAMON for CICS displays all the active OMEGAMON for CICS sessions.
sessions with a similar system ID	the system ID in the value field with an EQ condition on the View Some pop-up. OMEGAMON for CICS displays all the sessions with the system ID you specified.

Using Find Session

You can search for a specific session in the Configuration Manager using the Find key. If you specify a complete or partial session name, the list of sessions automatically scrolls to that name. For example, if you type a *c* in the session name field, OMEGAVIEW scrolls to the first session that starts with *c*, such as CICS. The last session name you entered always appears in the session name field. You can also use the Find key to scroll to the top or bottom of the session list.

This feature is especially helpful when the number of sessions at your site exceeds one screen.

User authority required

You can use this feature if you have access to the Configuration Manager.

Find Session sample panel

The Find Session pop-up is shown below.

```
              Find Session

Type the name of the desired session,
then press Enter.

Session name . . . . . .  _______

 F1=Help  F12=Cancel
```

Find Session procedure

To find a specific session, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, press F14.	OMEGAVIEW displays the Find Session pop-up panel.
3	Type the full name, or part of the name, of the session you want to find. Press Enter.	OMEGAVIEW scrolls to the first session that matches your entry and places the cursor in the action field next to that session.

Changing Session Defaults

Introduction

You can view or change the default values from the Session Defaults panel. The default values affect all new sessions defined in the Configuration Manager.

User authority required

You need administrator authority to change session defaults.

Session Defaults sample panel

```
                          Session Defaults

Type the requested information, then press Enter.

  OMEGAMON session logical rows . . . . . 255        99-999
  Session VTAM logmode table entry name . SNX32704
  Session update interval . . . . . . . . 60         15-9999 secs.
  Collector session timeout interval  . . 72         (variable)
  Session automatic reconnect interval. . 10         0-999 mins.
  Session automatic reconnect limit       0          0-99
  Session automatic startup . . . . . . . No  +      Yes/No

  Exception analysis. . . . . . . . . . . On  +      On/Off
  Response time analysis. . . . . . . . . On  +      On/Off
  DASD analysis . . . . . . . . . . . . . On  +      On/Off


 F1=Help  F4=Prompt  F12=Cancel
```

Field descriptions

The session default fields and their settings are described below.

Session Option	Description
OMEGAMON session logical rows	The number of logical rows to use for status data collector sessions. The default is 255, and valid entries are 99 to 999.
Session VTAM logmode table entry name	The name of the VTAM logmode table entry.
Session update interval	The sampling rate for the status data collector, in intervals of seconds between session updates. The default is 60 seconds, and the valid range is 15 to 9999 seconds. If you choose a lower number, the data is more current since the collector is sampled more often. However, this uses more resources (overhead). If you specify a higher number, less resources are used.
Collector session timeout interval	The number of seconds to allow before a session times out because no status update was received. Enter a number that is at least 1.2 times the value you specified for Session Update Interval.
Session automatic reconnect interval	The time, in minutes, between attempts to automatically restart inactive sessions (that are eligible for automatic reconnection). The default is 10 minutes, and the valid range is 0 to 999 minutes. The time that you specify in this field affects the default for the Session automatic reconnect interval field on the Add, Change, and Model session panels. If you set a value greater than 0 on this panel, the default on the Add session panel appears as **Yes**. If you set a value of 0 on this panel, the default on the Add session panel appears as **No** and OMEGAVIEW disables automatic reconnection for all sessions. If sessions time out or take over 10 minutes to start, increase the autoreconnect time to 30 minutes.
Session automatic reconnect limit	The number of times OMEGAVIEW attempts to connect to a session that is unavailable or not responding. Recovery status is included in panels that display session status. When OMEGAVIEW is trying to automatically reconnect to a session, the number of attempts is displayed in the Status field and the Session Name is displayed in yellow. You can use the Stop action to stop further recovery attempts. If the reconnect limit is reached, the Status field displays ****RecMAX** and the Session name is displayed in red. The recovery attempt counter is reset when you manually start or restart the session.
Session automatic startup	If set to **no**, the default, you must start the session manually. If set to **yes**, the session starts automatically when OMEGAVIEW starts.
Exception analysis	If set to **on**, OMEGAVIEW analyzes exceptions for this session.
Response time analysis	If set to **on**, OMEGAVIEW analyzes response time for this session.

Session Option	Description
DASD analysis	If set to **on**, OMEGAVIEW analyzes DASD for this session. It is suggested that you analyze DASD for only one session on a given processor since DASD analysis for multiple products on a single processor will probably yield the same results.

Changing Session Defaults procedure

To change the session defaults, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Options** from the Action Bar. Then select **Session Defaults** and press Enter.	OMEGAVIEW displays the Session Defaults panel.
3	From the Session Defaults panel, move the cursor to the field you want to change and type over the current value. You can also press F4 to toggle the values for some of the fields. When you finish, press Enter.	OMEGAVIEW displays the Configuration Manager. The new defaults you set will be supplied as defaults when adding new sessions.

6 Exporting and Importing Status Items

Introduction

This chapter contains information about importing and exporting status items.

Chapter Contents

Background about Importing and Exporting Status Items

You can export and import OMEGAMON and user-defined status item definitions to a partitioned data set (PDS) member. The table below shows different ways to use export and import.

Use...	To...	When You Want To...
Export	make copies of status item definitions and store the copies in a member	■ transport the definitions from one OMEGAVIEW to another, and use the definitions to create panel prototypes on another system. ■ make a backup copy of your definitions. ■ print a hardcopy of your definitions for reference. ■ edit the definitions in ISPF.
Import	update the OMEGAVIEW status item definitions table	■ create and view panel prototypes based on the definitions before starting a live OMEGAVIEW session for each OMEGAMON. ■ update status item information after editing in ISPF.

User authority required

You need Administrator authority to export and import status items.

Exporting Status Items

This section contains information about exporting status items.

Overview of the process of exporting status items

To export status item definitions, you

1. name the member in which to store the definitions
2. select which definitions you wish to export

These steps are described in the following procedures.

Note: *You do not have to create a partitioned data set (PDS), you simply have to name the member in which to store the exported status item definitions. The PDS name is listed in the member for OMEGAVIEW started task. Any members that contain exported status items will be stored in library type rhilev.midlev.RKMVSTAT.*

Creating an export member

Use the following procedure to create a PDS member in which to store the status items.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select **Configuration Manager**.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Tools**.	OMEGAVIEW displays the Tools menu.
3	From the Tools menu, select **Export Objects**.	OMEGAVIEW displays the Export Objects pop-up.
4	From the Export Objects pop-up, select **Export Status Items**.	OMEGAVIEW displays the Export Status Items pop-up.
5	From the Export Status Items pop-up, enter the PDS member name in which you would like to store the exported status items. ***Note:*** *Do not use* Candle *as the member name. It is reserved for another use.*	OMEGAVIEW displays the Export Selection Criteria pop-up. Use this pop-up to select which status items to export, as described in the next procedure.

Selecting and exporting status items

Use the following procedure to select which status items to export.

Step	Action	Result
1	From the Export Selection Criteria pop-up, you can either select all status items currently defined to OMEGAVIEW or you can select specific items. ■ To select all status items, leave the input fields blank and press Enter. ■ To select specific status items **1.** Specify a condition under which the status items will be selected. For example, EQ for Equal To. Press F4 for a list of valid conditions. **2.** In the Value field, specify a particular status item or a selection *mask*.	OMEGAVIEW exports the status items. A message indicates which status item it is currently reading. When the export facility is done, a message indicates how many status items were read and how many status items were exported. ***Note:*** *If the total number of status items exported is 0, either the items you selected do not exist or you need to change your selection mask.*

Selection criteria examples

You can use the asterisk (*) as a wildcard character to take the place of any number of characters in a status item name. See the selection criteria examples below.

The selection mask is not case-sensitive. The program converts all characters to uppercase before comparing them.

When your export selection criteria selects a rollup status item, all of the underlying basic status items that propagate to the rollup status item are also automatically exported.

The table below shows ways you can use selection criteria to select status item definitions. The examples show what you would enter for the Condition and Value input fields on the Selection Criteria screen.

Selection Criteria	Input Field	Result
EQ OMCICSII.*	Session Name field	Selects all status items that belong to this session name.
EQ *	Session Name field	Selects all user-defined status items.

Selection Criteria	Input Field	Result
EQ (blank)	Any field	Selects all status items whose definitions contain all blanks for that particular value. For example, use this in the Application field to select all status items that do not have an application defined. This is a good way to find out which of your status item definitions contain blanks in specific fields.

To export your entire status database or a large portion of it, do one of the following:

- Stop the Session Manager.
- Using a current backup copy of the VSAM Table Database, perform the export in your test environment.

Viewing the export member

You can view the member that contains the exported status items in ISPF. Part of a sample member that contains exported response time status items for all collectors looks like this:

```
************************ Exported Status Items **********************

                    Important Notes and Editing Rules

1. Be careful when manually editing this member.
2. Braces denote field data widths and must not be moved or deleted.
3. Do not move, change, or delete numbers in columns 71 and 72.
4. Do not change the following fields:
     Status item name
     Type
     Created by
5. Do not delete or move the asterisk records containing 99.
   They mark the end of each status item definition.
6. Comment records can be inserted anywhere by specifying 00 in columns 71 and 72.
7. If you introduce a duplicate field by replicating an existing line for a given
status item, the data from the last encountered duplicate field is imported and
previous occurrences are ignored.

*********************************************************************
Member name  . . . . . . . . . . . . : RESTIMEC
Date created . . . . . . . . . . . . : 11/18/93
Time created . . . . . . . . . . . . : 15:09:56
Created on SMF system ID . . . . . . : SYSG
Created by OMEGAVIEW job name  . . . : MSMVS03
Created by OMEGAVIEW VTAM applid . . : RGMV6VU
Created by OMEGAVIEW logon userid  . : MAFSC0
*********************************************************************
Status item name . . . . . . . . . . : {I2100CUA.WRT        }
Description  . . . . . . . . . . . . : {Response time all groups     }
Type . . . . . . . . . . . . . . . . : {BASIC }
Generate alerts  . . . . . . . . . . : {DISABLED}
Country  . . . . . . . . . . . . . . : {USA                }
Region . . . . . . . . . . . . . . . : {Pacific            }
State  . . . . . . . . . . . . . . . : {Hawaii             }
City . . . . . . . . . . . . . . . . : {Honolulu           }
Data center  . . . . . . . . . . . . : {West               }
System ID  . . . . . . . . . . . . . : {MVS-A              }
Subsystem  . . . . . . . . . . . . . : {MVS                }
Application  . . . . . . . . . . . . : {DB2                }
Created by . . . . . . . . . . . . . : {OMEGAMON }
*********************************************************************
Status item name . . . . . . . . . . : {OVMESA.WRT          }
Description  . . . . . . . . . . . . : {Overall response time        }
Type . . . . . . . . . . . . . . . . : {ROLLUP}
Generate alerts  . . . . . . . . . . : {DISABLED}
Country  . . . . . . . . . . . . . . : {Australia          }
Region . . . . . . . . . . . . . . . : {Outback            }
State  . . . . . . . . . . . . . . . : {Queensland         }
City . . . . . . . . . . . . . . . . : {Caboolture         }
Data center  . . . . . . . . . . . . : {Qslnd              }
System ID  . . . . . . . . . . . . . : {SYSA               }
Subsystem  . . . . . . . . . . . . . : {IMS                }
Application  . . . . . . . . . . . . : {Payroll            }
Created by . . . . . . . . . . . . . : {OMEGAMON }
Threshold rule . . . . . . . . . . . : {CRITICAL,GE,3000             }
Threshold rule . . . . . . . . . . . : {WARNING,GE,1000              }
Threshold rule . . . . . . . . . . . : {OK,GE,0                      }
```

```
*************************************************************************
Status item name . . . . . : {O2VTAM26.WRT        }
Description  . . . . . . . . . . : {All Connections     }
Type . . . . . . . . . . . . . . : {ROLLUP}
Generate alerts  . . . . . . . . : {DISABLED}
Country  . . . . . . . . . . . . : {USA                }
Region . . . . . . . . . . . . . : {Pacific            }
State  . . . . . . . . . . . . . : {CA                 }
City . . . . . . . . . . . . . . : {LA                 }
Data center  . . . . . . . . . . : {WestLA             }
System ID  . . . . . . . . . . . : {VM01               }
Subsystem  . . . . . . . . . . . : {CICS               }
Application  . . . . . . . . . . : {CIMA               }
Created by . . . . . . . . . . . : {OMEGAMON }
Threshold rule . . . . . . . . . : {CRITICAL,GE,3000              }
Threshold rule . . . . . . . . . : {WARNING,GE,1000               }
Threshold rule . . . . . . . . . : {OK,GE,0                       }
```

The top part of the member contains a comment section that provides the

- member name
- date and time the member was created
- information about the OMEGAVIEW system that created the member
- logon ID of the person who created the member

The remainder of the member contains the status item field names and data. Basic status items are exported in status item name order followed by rollup status items in status item name order. Rollup status item descriptions contain the derivation rule used to obtain the status level of the status item.

Where to go from here

See the table below for more information on using the export member.

To ...	You ...
Transport the definitions from one OMEGAVIEW to another, then use the definitions to create panel prototypes.	**1.** Manually copy the export member from the sending OMEGAVIEW RKMVSTAT to the receiving OMEGAVIEW data set. **2.** Use the Import feature, as described in "Importing Status Items" on page 91.
Edit the definitions in ISPF.	Use the Find, Change or Copy commands to change or duplicate several status item values at once. When you finish editing the file, use the Import feature, as described in "Importing Sessions." ***Note:*** *Edit the file with care. To maintain the file's data integrity, edit only these fields: Description, Country, Region, State, City, Data center, System ID, Subsystem, and Application. The brackets {} indicate how many characters each field will accept, and they must not be replaced, moved or modified. Also, do not edit columns 71 and 72.*

Importing Status Items

You can import status item definitions for some or all of the OMEGAMON products. When you import status item definitions, you are updating the OMEGAVIEW status item definition table with new information. After these definitions are stored in OMEGAVIEW, you can use the panel editor to create panel prototypes for any OMEGAMON product based on these definitions without having to define and start a live OMEGAMON session.

Overview of the process of importing status items

The basic steps to import status item definitions are:

1. Select the member that contains the status item definitions you want to use in panel prototypes.
2. Select which status item definitions you wish to import.

These steps are described in the following procedures.

Selecting an import member

Use the following procedure to select a PDS member that contains the status item definitions you want to import.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select **Configuration Manager**.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Tools**.	OMEGAVIEW displays the Tools menu.
3	From the Tools menu, select **Import Objects**.	OMEGAVIEW displays the Import Objects pop-up.
4	From the Import Objects pop-up, select **Import Status Items**.	OMEGAVIEW displays the Import Status Items pop-up.
5	From the Import Status Items pop-up, enter the name of the PDS member that contains the status item definitions. If you are not sure which member you want, skip to step 7 to select a member from a list. ***Note:*** *The OMEGAVIEW installation process now creates a PDS member called Candle that contains status item definitions for each OMEGAMON product. If you want to create panel prototypes for an OMEGAMON product, select this member.*	OMEGAVIEW displays the Import Selection Criteria. Use this pop-up to select which status items to import, as described in "Selecting and importing status items."

Step	Action	Result
6	Press F4.	OMEGAVIEW displays a list of import members. This list contains all of the members that are currently stored in the status item export data set, RKMVSTAT. The members on this list were created when status items were exported during status item export or copied from one OMEGAVIEW RKMVSTAT data set to another.
7	To select a member, cursor select the member you want.	OMEGAVIEW displays the Import Selection Criteria. Use this pop-up to select which status items to import, as described in the next procedure.

Selecting and importing status items

Use the following procedure to select which status items to import.

Action	Result
You can either select all status items in the import member or select specific items. ■ To select all status items, leave the input fields blank and press Enter. ■ To select specific status items: 1. Specify a condition under which the status items will be selected. For example, EQ for Equal To. Press F4 for a list of valid conditions. 2. In the Value field, specify a particular status item or a selection *mask*. After you finish. To replace any duplicate status items encountered, enter **Yes**.	OMEGAVIEW imports the status items. A message indicates which status item it is currently reading. When OMEGAVIEW finishes importing, a message shows how many status items were ■ in the member ■ selected ■ duplicates ■ imported If the total number of status items imported is 0, either the status items you selected do not exist or you need to change your selection mask.

Selection criteria examples

You can use the asterisk (*) as a wildcard character to take the place of any number of characters in a status item name. See the selection criteria examples below.

The selection mask is not case-sensitive. The program converts all characters to uppercase before comparing them.

When your import selection criteria selects a rollup status item, all of the underlying basic status items that propagate to the rollup status item are also automatically imported.

The table below shows ways you can use selection criteria to select a subset of the status items you exported earlier. For example, if you exported all user status items, you can now select a subset of those items from the export file.

Selection Criteria	Typed In	Result
EQ OMCICSII.*	Session Name field	Selects all status items that belong to this session name.
EQ W*	Session Name field	Selects all user-defined status items that start with W.
EQ (blank)	Any field	Selects all status items whose definitions contain all blanks for that particular value. For example, use it in the Application field to select all status items that do not have an application defined. This is a good way to find out whether your status item definitions contain blank fields.

Where to go from here

Now that you have imported the status item definitions, you can select them with the panel editor to create panel prototypes. See *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise* for more information on creating panels.

7 Exporting and Importing Session Definitions

Introduction

This chapter contains information about importing and exporting session definitions.

Chapter Contents

Background about Importing and Exporting Session Definitions

From the Configuration Manager, you can export and import OMEGAMON session definitions to a partitioned data set (PDS) member. The table below shows different ways to use export and import.

Use...	To...	When You Want To...
Export	make copies of session definitions and store the copies in a member	■ transport the definitions from one OMEGAVIEW to another, and then use the Import feature to import session information for one or more OMEGAMON sessions at one time. ■ make a backup copy of your definitions. ■ print a hardcopy for reference. ■ edit the definitions in ISPF. ■ interrogate the contents of a specific session information field.
Import	update the OMEGAVIEW session definitions table	■ get predefined default sessions up and running immediately after installation, without having to add each session individually. ■ bring in session information from another OMEGAVIEW. ■ update session information after editing in ISPF.

User authority required

You need Administrator authority to export and import sessions.

Exporting Sessions

Introduction

To export session definitions, you

- name the member in which to store the definitions
- select which definitions you wish to export

These steps are described in the following procedures.

Creating an export member

Use the following procedure to create a PDS member in which to store the sessions.

Note: *You do not have to create a partitioned data set (PDS), you simply have to name the member in which to store the exported sessions. The PDS name is listed in the member for the OMEGAVIEW started task in SYS1.PROCLIB. Any members that contain exported sessions will be stored in library type rhilev.midlev.RKMVSESS.*

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Tools** and then press Enter.	OMEGAVIEW displays the Tools menu.
3	From the Tools menu, select **Export Objects** and then press Enter.	OMEGAVIEW displays the Export Objects pop-up.
4	From the Export Objects pop-up, select **Export Sessions** and then press Enter.	OMEGAVIEW displays the Export Sessions pop-up.
5	From the Export Sessions pop-up, enter the PDS member name in which you want to store the exported sessions. ***Note:*** *Do not use* Candle *as the member name. It is reserved for another use.*	OMEGAVIEW displays the Export Selection Criteria pop-up. Use this pop-up to select which sessions to export, as described in the next procedure.

Selecting and exporting sessions

Use the following procedure to select which sessions to export.

Step	Action	Result
1	You can either select all sessions currently defined to OMEGAVIEW or you can select specific sessions. ■ To select all sessions, leave the input fields blank and press Enter. ■ To select specific sessions **1.** Specify a condition under which the sessions will be selected. For example, EQ for Equal To. Press F4 for a list of valid conditions. **2.** Press the Tab key to move to the Value field, then specify a particular session or a selection *mask*. When you finish, press Enter.	OMEGAVIEW exports the sessions. A message indicates which session it is currently reading. When the export facility is done, a message indicates how many sessions were read and how many sessions were exported. If the total number of sessions exported is 0, either the sessions you have selected do not exist or you need to change your selection mask.

Selection criteria examples

You can use the asterisk (*) as a wildcard character to take the place of any number of characters in a session name. See the selection criteria examples below.

The selection mask is not case-sensitive. The program converts all characters to uppercase before comparing them.

The table below shows ways you can use selection criteria to select sessions. The examples show what you would enter for both the Condition and Value input fields on the Selection Criteria screen.

Selection Criteria	Input Field	Result
EQ CICS*	Session Name field	Selects all sessions that begin with CICS.
EQ *	Session Name field	Selects all sessions.
EQ (blank)	Any field	Selects all sessions whose definitions contain blanks for that particular value. For example, use it in the Application field to select all sessions that do not have an application defined. This is a good way to find out which of your session definitions contain blanks in a specific session information field.

Viewing the export member

You can view the member that contains the exported sessions in ISPF. Part of a sample member that contains exported sessions with session names beginning with Z would look like this:

```
****************************** EXPORTED SESSIONS ********************

                              IMPORTANT NOTES AND EDITING RULES

      1. BE CAREFUL WHEN MANUALLY EDITING THIS MEMBER.
      2. BRACES DENOTE FIELD DATA WIDTHS AND MUST NOT BE MOVED OR DELETED.
      3. DO NOT MOVE, CHANGE, OR DELETE NUMBERS IN COLUMNS 71 AND 72.
      4. DO NOT CHANGE THE SESSION TYPE FIELD.
      5. DO NOT DELETE OR MOVE THE ASTERISK RECORDS CONTAINING 99.
         THEY MARK THE END OF EACH SESSION DEFINITION.
      6. COMMENT RECORDS CAN BE INSERTED ANYWHERE BY SPECIFYING 00 IN
         COLUMNS 71 AND 72.
      7. IF YOU INTRODUCE A DUPLICATE FIELD(S) BY REPLICATING AN EXISTING
         LINE FOR A GIVEN SESSION, THE DATA FROM THE LAST ENCOUNTERED
         DUPLICATE FIELD IS IMPORTED AND PREVIOUS OCCURRENCES ARE IGNORED.
      8. THE OMEGAMON PARAMETERS (I.E.USER DATA) MAY EXCEED 30
         CHARACTERS, UPTO A MAXIMUM OF 37 CHARACTER POSITIONS.  WHEN THIS
         HAPPENS, TWO RECORDS ARE CREATED.  THE FIRST RECORD CONTAINS
         30 CHARACTERS AND THE SECOND CONTAINS THE REMAINING 7 CHARACTERS.

      ************************************************************************
      SESSION NAME . . . . . . . . . . . . : {Z_CICS  }
      TYPE . . . . . . . . . . . . . . . . : {OM-CICS    }
      DESCRIPTION  . . . . . . . . . . . . : {OMEGAMON FOR CICS             }
      OMEGAMON FOR CICS VTAM APPLID  . . . : {OBVTAMA }
      CICS REGION NAME . . . . . . . . . . : {DONTKNOW}
      ADDITIONAL OMEGAMON PARMS  . . . . . : {                              }
      USER DATA SUFFIX . . . . . . . . . . : {  }
      LOGICAL ROWS . . . . . . . . . . . . : {255}
      EXCEPTION ANALYSIS . . . . . . . . . : {ON }
      RESPONSE TIME ANALYSIS . . . . . . . : {ON }
      DASD ANALYSIS  . . . . . . . . . . . : {ON }
      DASD FILTER  . . . . . . . . . . . . : {$DEFAULT}
      LOGON PROFILE NAME . . . . . . . . . : {$DEFAULT}
      SESSION AUTOMATIC STARTUP  . . . . . : {NO }
      SESSION UPDATE INTERVAL  . . . . . . : {60  }
      SESSION AUTOMATIC RECONNECT  . . . . : {NO }
      VTAM LOGMODE TABLE ENTRY NAME  . . . : {SNX32704}
      COUNTRY  . . . . . . . . . . . . . . : {                      }
      REGION . . . . . . . . . . . . . . . : {                      }
      STATE  . . . . . . . . . . . . . . . : {                      }
      CITY . . . . . . . . . . . . . . . . : {                      }
      DATA CENTER  . . . . . . . . . . . . : {                      }
      SYSTEM ID  . . . . . . . . . . . . . : {                      }
      SUBSYSTEM  . . . . . . . . . . . . . : {                      }
      APPLICATION  . . . . . . . . . . . . : {                      }
      ************************************************************************
      SESSION NAME . . . . . . . . . . . . : {Z_CICSII}
      TYPE . . . . . . . . . . . . . . . . : {OM/II-CICS }
      DESCRIPTION  . . . . . . . . . . . . : {OMEGAMON II FOR CICS          }
      OMEGAMON II FOR CICS VTAM APPLID . . : {C2VTAM  }
                .                              .
                .                              .
                .                              .
```

The top part of the member contains a comment section that provides the

- member name
- date and time the member was created
- information about the OMEGAVIEW system that created the member
- logon ID of the person who created the member

The remainder of the member contains the session names and data.

Where to go from here

Now that you have exported session definitions, see the table below for more information on using the export member.

To ...	You ...
Transport the definitions from one OMEGAVIEW to another, then use the definitions on the new system.	**1.** Manually copy the member from the sending OMEGAVIEW RKMVSESS data set to the receiving OMEGAVIEW data set. **2.** Use the Import feature, as described in "Importing Sessions."
Edit the definitions in ISPF.	Use the Find, Change, or Copy commands to change or duplicate several session values at one time. When you finish editing the file, use the Import feature, as described in "Importing Sessions" on page 101. Edit the file with care. To maintain the file's data integrity, edit only these fields: Description, Country, Region, State, City, Data center, System ID, Subsystem, and Application. Do not edit the Session Name or Session Type fields. The brackets { } indicate how many characters each field will accept, and they must not be replaced, moved, or modified. Also, do not edit columns 71 and 72.

Importing Sessions

You can import session definitions for some or all of the OMEGAMON products. When you import session definitions, you are updating the OMEGAVIEW session definition table with new information. After these definitions are stored, you can use them in OMEGAVIEW.

The basic steps to import session definitions are:

1. Select the member that contains the session definitions.
2. Select which session definitions within that member you wish to import.

These steps are described in the following procedures.

Selecting an import member

Use the following procedure to select a PDS member that contains the session definitions you want to import.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the Configuration Manager option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Tools** and press Enter.	OMEGAVIEW displays the Tools menu.
3	From the Tools menu, enter **Import Objects**.	OMEGAVIEW displays the Import Objects pop-up.
4	From the Import Objects pop-up, enter **Import Sessions**.	OMEGAVIEW displays the Import Sessions pop-up.
5	From the Import Sessions pop-up, enter the PDS member name that contains the session definitions. Go to the next procedure to select which sessions to import. If you are not sure which member you want, skip to step 7 to select a member from a list. The initial OMEGAVIEW configuration process creates a PDS member called **Candle** that contains session definitions for each OMEGAMON product. If you want to import the set of session definitions identified during initial OMEGAVIEW configuration, select this member.	OMEGAVIEW displays the Import Selection Criteria pop-up. Use this pop-up to select which sessions to import, as described in the next procedure.

Step	Action	Result
6	Press F4.	OMEGAVIEW displays a list of import members. This list contains all of the members that are currently stored in the session export data set, RKMVSESS. The members on this list were created when sessions were exported during session export, copied from one OMEGAVIEW RKMVSESS data set to another, or created during OMEGAVIEW initial configuration (the member **Candle**).
7	To select a member, press the Tab key until the cursor is next to the member you want, and then press Enter.	OMEGAVIEW displays The Import Selection Criteria pop-up. Use this pop-up to select which sessions to import, as described in the next procedure.

Selecting sessions

Use the following procedure to select which sessions to import.

Step	Action	Result
1	You can either select all sessions in the import member or select specific sessions. To select all sessions, leave the input fields blank and just press Enter. To select specific sessions: **1.** Specify a condition under which the sessions will be selected. For example, EQ for Equal To. Press F4 for a list of valid conditions. **2.** Press the Tab key to move to the Value field, then specify a particular session or a selection *mask*. When you finish, press Enter. To replace any duplicate sessions encountered, enter **Yes**.	OMEGAVIEW imports the sessions. A message indicates which session it is currently reading. When OMEGAVIEW finishes importing, a message shows how many sessions were ■ in the member ■ selected ■ duplicates ■ active ■ imported If the total number of sessions imported is 0, either the sessions you selected do not exist, or you need to change your selection mask.

Selection criteria examples

You can use the asterisk (*) as a wildcard character to take the place of any number of characters in a session name. See the selection criteria examples below.

The selection mask is not case-sensitive. The program converts all characters to uppercase before comparing them.

The table below shows ways you can use selection criteria to select sessions. You can select a subset of the sessions you exported earlier. For example, if you exported all sessions that begin with AO, you can now select a subset of those sessions from the export file.

Selection Criteria	Input Field	Result
EQ CICS*	Session Name field	Selects all session names that start with CICS.
EQ (blank)	Any field	Selects all sessions whose definitions contain blanks for that particular value. For example, use it in the Application field to select all sessions that do not have an application defined. This is a good way to find out which of your session definitions contain blanks in a specific session information field.

8 Exporting and Importing Panels and Templates

Introduction

This chapter contains information about importing and exporting objects.

Chapter Contents

Background about Exporting and Importing Objects

With this function, you can create panels and templates on one system and copy them to another system. For example, you can create panels and templates on a development system and copy them to a production system.

Note: *If you try to access the Import or Export Object option while it is in use, access is denied. A pop-up will prompt you to exit or override the lock. If you choose to override the lock, any changes not saved by the previous user may be lost.*

User authority required

You need Administrator authority to export and import panels and templates.

How OMEGAVIEW exports and imports panels and templates.

When exporting, OMEGAVIEW reads the panel (or template) from the table database, and writes to the PDS (Partitioned Data Set) designated by the DD (Data Definition) statement RKMVDATA. When importing, OMEGAVIEW reads the panel (or template) from the RKMVDATA DD statement and writes back to the table database.

If OMEGAVIEW is installed on two systems, the Export/Import function uses only one Partitioned Data Set (RKMVDATA). The Partitioned Data Set can be shared by multiple address spaces, and must be available to both address spaces if the facility is used to copy panels or templates from one system to another.

Exporting and Importing Objects

This section contains a sample of the Export Panels panel and the procedure to follow to import and export:

- panels
- templates

Export Panels sample panel

The following panel is where you choose the panel you want to export. The panel looks the same whether you are exporting or importing panels or templates.

```
                Export Panels

Type the panel name filter, then press Enter.

Panel name filter. . . . .

 F1=Help  F12=Cancel
```

Procedure to export or import panels and templates

You have the following export and import options. You can

- export panels or templates
- import panels or templates

The following procedure describes how to export or import panels and templates; the procedure is the same regardless of your choice.

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Tools** and press Enter.	OMEGAVIEW displays the Tools menu.
3	From the Tools menu, select **Export Objects** or **Import Objects** and press Enter.	OMEGAVIEW displays the appropriate Objects pop-up for your choice.
4	From the Objects pop-up, you can select ■ Export or Import panels ■ Export or Import templates	OMEGAVIEW displays the appropriate pop-up for your choice.

Step	Action	Result
5	From the pop-up, fill in the **Panel name Filter** or the **Template name Filter** and press Enter. You can process one panel or template at a time or a group of them; press F1 for instructions on how to process multiple panels or templates.	OMEGAVIEW exports or imports the panel or template you have chosen. If you have selected a panel or template name that already exists, a message appears giving you the options of replacing the existing name or bypassing the export or import.

9 Setting Switch and Zoom Controls

Introduction

This chapter contains information about the Switch/Zoom Controls panel and using the Zoom feature.

Chapter Contents

Background about the Switch/Zoom Controls Panel

The Switch/Zoom Controls pop-up, which you can select from the Configuration Manager Options pull-down menu, allows you to set a variety of options related to zooming and switching between OMEGAVIEW and OMEGAMON sessions.

User authority

The Switch/Zoom Controls selection only appears as a choice on the Configuration Manager Options pull-down if a user has administrator authority.

Note: *The Switch/Zoom control settings apply to all OMEGAVIEW users.*

Switch/Zoom Controls sample panel

```
                    Switch/Zoom Controls

Type the requested information, then press Enter.

  Zoom session timeout interval . . . 999   0, 5-998, 999 mins.
  Disable zoom destinations . . . . . No  + Yes/No
  Disable switch to session . . . . . No  + Yes/No
  Disable profile synchronization . . No  + Yes/No

 F1=Help  F4=Prompt  F12=Cancel
```

Setting the Zoom Session Timeout Interval Field

The Zoom Session Timeout Interval refers to the automatic termination of a user session with an OMEGAMON.

When you return to OMEGAVIEW after zooming or switching into an OMEGAMON session, OMEGAVIEW starts a timer. You specify the timer value in minutes.

If you do not zoom or switch into another OMEGAMON session before the time is up, OMEGAVIEW automatically terminates inactive sessions between OMEGAVIEW and the OMEGAMON products. This frees OMEGAVIEW, OMEGAMON, and VTAM resources that are not being actively used.

Note: *If a zoom or switch session has timed-out due to the Zoom Session Timeout Interval, the next time you zoom or switch into session with an OMEGAMON product, you may experience a short delay due to the fact that OMEGAVIEW must reestablish the session to the OMEGAMON product and logon to the OMEGAMON product before switching your terminal into session with the OMEGAMON product.*

Procedure

The zoom session timeout interval field specifies the maximum amount of time (in minutes) after which the sessions that you have zoomed into are logged off if none of them have been used for at least the specified time.

The default setting for the zoom session timeout interval control is 999 (which means no timeout or automatic disconnect).

To set the Zoom Session Timeout Interval, access the Switch/Zoom Controls pop-up under Configuration Manager's Options pull-down. Then:

Specify...	To...
0	force immediate termination of the zoomed session when returning from an OMEGAMON back to OMEGAVIEW (default return key is PA2).
5 to 998	force termination of the zoomed session the specified number of minutes after returning to OMEGAVIEW.
999	prevent the zoomed session from timing out (OMEGAVIEW will not automatically terminate the zoomed session).

Disabling Zoom Destinations

As an OMEGAVIEW administrator, you can choose to enable or disable the Zoom Destination option.

Note: *The default setting you choose applies to all OMEGAVIEW users and cannot be overridden by your users.*

When this option is set to Yes and a user zooms from OMEGAVIEW to an OMEGAMON product, OMEGAVIEW disregards the predefined zoom destinations and simply switches the user into the session with the OMEGAMON product.

When the Zoom Destination control is *not disabled* (set to No) and a user zooms from OMEGAVIEW into an OMEGAMON product, OMEGAVIEW uses the administrator-defined or user-provided zoom destinations and navigates the OMEGAMON product to the selected zoom destination panel before switching the user into the OMEGAMON session.

More information

For more information about using default and alternate zoom destinations see the chapter on using the zoom feature in *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*.

Procedure

The default setting for the Disable Zoom Destinations control is No, which means that the Zoom destination option is enabled.

To disable the Zoom Destination option:

➺ Access the Switch/Zoom Controls pop-up under the Configuration Manager's Options pull-down. Select Yes for **Disable Zoom Destinations**.

Disabling Switch to Session

An OMEGAVIEW administrator can choose to enable or disable the Switch to Session option from the Switch/Zoom Controls pop-up. After you set the default, OMEGAVIEW users cannot override it.

When the Switch to Session option is disabled, users cannot access the OMEGAVIEW Switch option, regardless of whether or not they have been granted Switch/Zoom authority.

Procedure

The default setting for the Disable Switch to Session control is No, which means that the Switch to Session option is enabled.

To disable Switch to Session,

- Access the Switch/Zoom Controls pop-up under the Configuration Manager's Options pull-down. Select Yes for **Disable Switch to Session**.

More information

For more information about the switch option, see the chapter on switching sessions in *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*.

Disabling Profile Synchronization

System administrators have the authority to control the system-wide profile synchronization default.

Profile synchronization enables OMEGAVIEW to use the same set of profile thresholds for the user zoom sessions that are used for the collector sessions. With profile synchronization, user zoom session status items display the same color as the status items displayed on the OMEGAVIEW panels.

Procedure

The default setting for the Disable Profile Synchronization control is No, which means that profile synchronization is enabled.

To disable profile synchronization, access the Switch/Zoom Controls pop-up under the Configuration Manager's Options pull-down. Select Yes for **Disable profile synchronization**.

More information

For specific information about how users can override the profile synchronization default for their own sessions, see the chapter on overriding the profile synchronization default in *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*.

Setting Zoom Destinations

Introduction

This chapter contains information about setting your Zoom destinations.

Chapter Contents

Setting Zoom Destinations

When the zoom destination feature is enabled and a user zooms from OMEGAVIEW into an OMEGAMON, OMEGAVIEW uses the predefined zoom destinations and navigates the OMEGAMON product to the selected destination panel before switching the user into session with the OMEGAMON.

The Zoom Destinations panel, which you can select from the Configuration Manager's Options pull-down menu, displays a list of all the basic status items created by the OMEGAMON products that are connected to your OMEGAVIEW system.

Through the Zoom Destinations panel, you can change the default zoom destination for OMEGAMON-generated status items.

Note: *If you specify a zoom destination for a particular status item name, that destination applies to every OMEGAMON that generates that status item. For example, if there are three Tivoli OMEGAMON for CICS sessions running on your system, the predefined status item, RDASDVC DASD service time, would share the same user-defined zoom destination.*

User authority

The Zoom Destinations selection only appears under the Configuration Manager Options pull-down if a user has administrator authority.

Disabling the zoom destination feature

You can disable the Zoom Destinations feature. See "Disabling Zoom Destinations" on page 112 for more information.

Sample zoom destinations panel

On the following zoom destinations panel, status item names are automatically sorted, first by OMEGAMON session type, and next by status item name so that all status items generated by a particular type of OMEGAMON are grouped and displayed together.

```
KMVZMDST                ZOOM DESTINATIONS

TYPE ONE OR MORE ACTION CODES, THEN PRESS ENTER.    MORE: - +
  C=CHANGE OR VIEW ZOOM DESTINATIONS

       STATUS ITEM       OMEGAMON                    OMEGAMON
ACTION    NAME       STATUS ITEM DESCRIPTION       SESSION TYPE
------ ----------- ------------------------- ---------------------
  _     RVTAMENV    VTAM ENVIRONMENT          OMEGAMON II FOR VTAM
  _     WALL        RESPONSE SUMMARY          OMEGAMON II FOR VTAM
  _     ADDR        DDR SWAP                  OMEGAMON II FOR MVS
  _     AENQ        ENQUEUE                   OMEGAMON II FOR MVS
  _     AGRS        GRS                       OMEGAMON II FOR MVS
  _     AGTF        GTF                       OMEGAMON II FOR MVS
  _     AHSM        HSM                       OMEGAMON II FOR MVS
  _     AKEYDASD    MISSING KEY DASD          OMEGAMON II FOR MVS
  _     AKEYTASK    MISSING TASK              OMEGAMON II FOR MVS
  _     AMAXTASK    MAX TASKS                 OMEGAMON II FOR MVS
  _

F1=HELP  F5=REFRESH  F7=BKWD  F8=FWD  F12=CANCEL  F14=FIND
```

Changing OMEGAMON Zoom Destinations

OMEGAVIEW uses the classic OMEGAMON product screen space names to navigate from a classic OMEGAMON status item to a corresponding OMEGAMON panel. To change zoom destinations for classic OMEGAMON status items, you specify alternate screen space names that are defined in OMEGAMON. You can use the default zoom destinations (screen space names) provided by IBM, or you can specify your own user-defined screen space names. However, any user-defined screen space names you specify must exist in the OMEGAMON product.

Note: *The 1st, 2nd, and 3rd screen space names on the Change OMEGAMON Zoom Destinations pop-up correspond to the first, second, and third selections on the Confirm Zoom to Session pop-up that appears when a user zooms to a classic OMEGAMON session and has the Zoom to Session Confirmation option set to Yes. For more information about the zoom to session confirmation feature, see* Using OMEGAVIEW and OMEGAVIEW II for the Enterprise.

For more information about the zoom destination feature, see "Setting Zoom Destinations" on page 115.

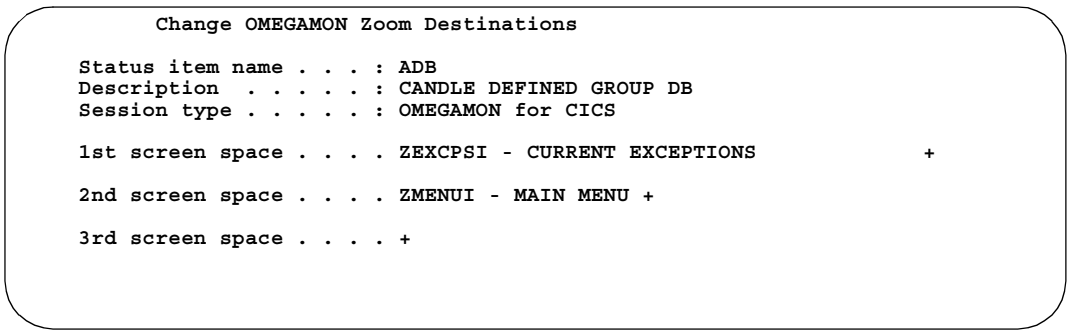
Procedure

The following procedure shows you how to change zoom destinations for classic OMEGAMON status items.

Step	Action	Result
1	Select **Zoom destinations** from the Configuration Manager's Options pull-down and press Enter.	The Zoom Destinations panel appears.
2	For fast access to a particular group of status item names: ■ Press F14 to display the **Find OMEGAMON Status Items** pop-up. ■ Type the number of the desired OMEGAMON session type in the input field, or move the cursor next to your selection. ■ Press Enter.	The Find Status Items pop-up disappears and the Zoom Destinations panel automatically scrolls to the status items generated by the OMEGAMON session type you selected.

Step	Action	Result
3	To change the zoom destination for a classic OMEGAMON status item, type **C** next to that status item and press Enter. ***Note:*** *The zoom destinations listed are the default destinations provided by IBM. If, for any reason, the defaults have been changed, the administrator can retrieve the original defaults by pressing the F5 key.*	The **Change OMEGAMON Zoom Destinations** pop-up appears.
4	To change the zoom destination for any of the three screen space names, type the new name in the field provided and press Enter, or press F4 for a list of default screen space names from which you can choose. ***Note:*** *This list contains only the currently supported enhanced zoom screen space names and does not include user-defined screen space names.*	The screen space name is altered according to your specifications.

Example of the Change OMEGAMON Zoom Destinations pop-up



Changing OMEGAMON II Zoom Destinations

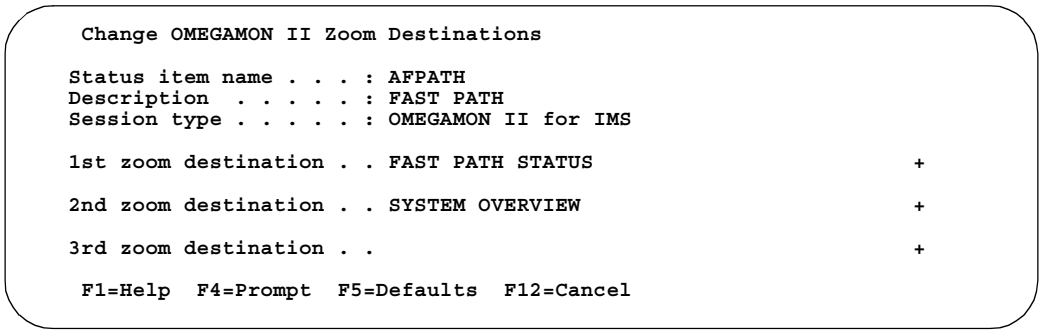
IBM supplies default destinations for all OMEGAMON II status items. You can rearrange the order of the zoom destinations or remove destinations for OMEGAMON II status items. You cannot, however, specify any destinations for OMEGAMON II status items, other than those provided by IBM.

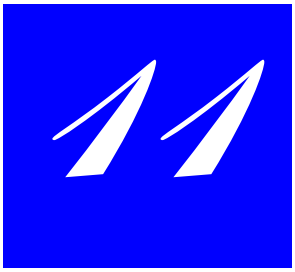
The 1st, 2nd, and 3rd zoom destination names on the Change OMEGAMON II Zoom Destinations pop-up correspond to the first, second, and third selections on the Confirm Zoom to Session pop-up that appears when a user zooms to an OMEGAMON II product and has the Zoom to Session Confirmation option set to Yes. For more information about the zoom to session confirmation feature, see Using OMEGAVIEW and OMEGAVIEW II for the Enterprise.

Follow these steps to change zoom destinations for OMEGAMON II status items.

Step	Action	Result
1	Select **Zoom destinations** from the Configuration Manager's Options pull-down and press Enter.	The Zoom Destinations panel appears.
2	To change the zoom destination for an OMEGAMON II product status item, type **C** next to that status item and press Enter.	The **Change OMEGAMON II Zoom Destinations** pop-up appears. This pop-up differs from the pop-up that appears when you change classic OMEGAMON status items in that the zoom destinations listed for the OMEGAMON II products are the default destinations provided by IBM.
3	To change any of the three zoom destinations, type the new name in the field provided and press Enter, or press F4 for a list of available zoom destinations that apply to that status item. If, for any reason, the defaults have been rearranged or removed, you can retrieve the original defaults by pressing the F5 key.	OMEGAVIEW alters the zoom destination name according to your specifications.

Example of the Change OMEGAMON II Zoom Destinations pop-up





Enabling Navigation to OMEGACENTER Status Manager for MVS

To enable navigation to OMEGACENTER Status Manager for MVS (OSM/MVS), use the OSM/MVS Session options on the Configuration Manager's Options pull-down.

This selection allows you to add one OSM/MVS session to the Switch to Session menu so that users with switch/zoom authority can conveniently navigate to OSM/MVS.

Although your site may have multiple OSM/MVS environments, you can only define one OSM/MVS session in OMEGAVIEW.

User authority

The OSM/MVS Session Options selection appears on the Configuration Manager Options pull-down only if a user has Administrator authority.

Sample OSM/MVS Session Options pop-up

```
                  OSM/MVS Session Options

Type any changes, then press Enter.

  VTAM applid  . . .
  Description  . . . OSM/MVS User Interface
  Command/CLIST  . . OGAT


 F1=Help  F12=Cancel
```

Procedure: Enabling OSM/MVS navigation

Refer to the following procedure to enable navigation to OSM/MVS.

Note: *In this procedure, the OSM/MVS command library is the library that contains the OGAT command (REXX exec) that was built during OSM/MVS customization.*

Step	Action
1	From the Configuration Manager's Options pull-down menu, select **OSM/MVS session options** and press Enter. ***Result:*** The OSM/MVS Session Options pop-up appears.

Step	Action
2	Enter the 1–8 character VTAM applid of the TSO system that has access to the OSM/MVS libraries. See your OSM/MVS installer if you need further details. ***Note:*** *You must fill in this field to activate the OSM/MVS navigation feature. However, the identifier you choose cannot be validated because VTAM application IDs are specific to each installation. If the name you specify is not valid, the OSM/MVS session will not be connected successfully.*
3	Enter any (optional) descriptive information in the field provided.
4	Enter a command, CLIST, or REXX exec name in one of these ways: ■ If you have your site's OSM/MVS command library concatenated on the SYSPROC DD or SYSEXEC DD, enter a member name that is stored in that library. For example, OGAT is the default REXX exec built by the OSM/MVS customizes. ■ If your site's OSM/MVS command library is *not* concatenated on the SYSPROC DD or SYSEXEC DD, enter **ex** followed by the fully qualified data set and member name, enclosed in single quotes. For example, **ex 'SYS1.EXEC(OGAT)'** This command is issued after the session connection is established. If you do not specify a valid command, CLIST, or REXX exec, OMEGAVIEW will not be able to navigate to OSM/MVS. If OMEGAVIEW is unable to navigate to OSM/MVS, it navigates to ISPF or TSO, depending on how your site's ISPF and TSO environments are set up. You must be in ISPF to issue the OSM/MVS command.
5	Press Enter. ***Result:*** When OMEGAVIEW users access the Switch to Session pull-down menu from the main OMEGAVIEW panel, the OSM/MVS session enabled in this procedure appears as the first selection in the Switch to Session menu's list of sessions. By choosing OSM/MVS from the list, users can switch into OSM/MVS directly from the Switch to Session menu.

Sample Switch to Session panel

The following panel shows the Switch to Session menu with the OSM/MVS session at the top of the session list.

```
KMVSEDIS                SWITCH TO SESSION

MOVE CURSOR NEXT TO SESSION, THEN PRESS ENTER.      MORE:   +

   SESSION      TYPE              DESCRIPTION
   --------  -----------  ----------------------------------------

   CICS400   OM-CICS      V400
   CICS400B  OM-CICS      V400
   C2500     OM/II-CICS   C2 V500
   DF160G    OM/II-SMS    LINDA'S TEST SMS
   D2500     O2/II        DB2 V500
   D2400     O2/II        DB2 V400
   IMS500    OM-IMS       DBCTL V500
   I2400     OI/II        I2 V400
   MVS500    OM-MVS       MVS V400
   M2400A    OM/II        M2 V400A
   M2400G    OM/II        M2 V400G

F1=HELP  **=BKWD  F8=FWD  F12=CANCEL  F14=FIND
```

Navigating to OSM/MVS

To have access to the OSM/MVS navigation feature, users must have switch/zoom authority (granted by the system administrator), and a TSO logon proc (user ID) that displays the TSO READY prompt.

For more information, see *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*.

12 Managing Alerts

Introduction

This chapter contains information about using the OMEGAVIEW software to manage alerts.

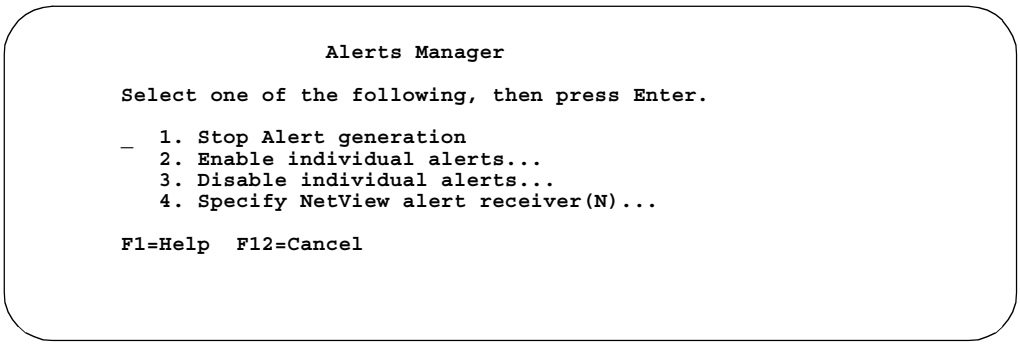
Chapter Contents

Background about Alerts and the OMEGAVIEW Software

The OMEGAVIEW software provides a unidirectional interface, the Alerts Manager, that transmits alerts to another local subsystem, such as NetView, Tivoli OMEGACENTER Gateway, or Tivoli AF/OPERATOR.

Alerts Manager sample panel

The following panel shows the Alerts Manager pull-down.



```
                Alerts Manager

Select one of the following, then press Enter.

_  1. Stop Alert generation
   2. Enable individual alerts...
   3. Disable individual alerts...
   4. Specify NetView alert receiver(N)...

F1=Help  F12=Cancel
```

Enabling Alerts in NetView

Before you can use the OMEGAVIEW alerts manager, you must enable the alerts in NetView. You control the alerts NetView monitors using NetView filter commands. After you enable these alerts from NetView, you need to access the alerts manager as described in this chapter.

Displaying NetView filters

To display the filters from the NetView hardware monitor, issue this command:

```
DFILTER AREC
```

Each status color is defined as a separate NetView event type. You must issue specific commands from the NetView hardware monitor to receive a yellow (warning) or turquoise (none) alert status. To enable notification of a yellow status, issue the command

```
SRF AREC PASS P OMEGAVU 00000011
```

To enable notification of a turquoise status, issue the command

```
SRF AREC PASS P OMEGAVU 00000002
```

Starting and Stopping Alert Generation

You can stop, start, and restart alert generation by the OMEGAVIEW software. After product installation, you must start alert generation and enable the individual status items.

User authority required

You need Administrator authority to start and stop alert generation.

Procedure

Follow this procedure to stop or stop alert generation.

Step	Action	Result
1	Select **Tools** from the Action Bar and press Enter.	OMEGAVIEW displays the Tools pull-down menu.
2	Select **Alerts Manager** from the **Tools** pull-down menu and press Enter.	OMEGAVIEW displays the Alerts Manager pull-down menu.
3	Depending on your system's current setting, you can select either **Start alert generation** to start or restart the process or **Stop alert generation**.	OMEGAVIEW displays a pop-up message confirming your choice.

Enabling and Disabling Individual Alerts

You can enable or disable alert generation for individual status items. After system installation, you must start alert generation and enable the individual status items to generate alerts.

Enable alerts at these times:

- when the NetView or Tivoli OMEGACENTER Gateway interface is first installed.
- whenever you define a new data collection session.
- to adjust the status items that issue alerts.

User authority required

You need Administrator authority to enable and disable alerts. To add or change alerts from the Status Item Manager, see *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*.

Status Item Choices sample panel

```
 KMVSIPCK       STATUS ITEM CHOICES (FILTERED)

TYPE '/' TO CHOOSE ONE OR MORE ITEMS FROM THE LIST BELOW, THEN
PRESS ENTER.  PRESS F5 TO VIEW OR CHANGE THE FILTER.
                                                    MORE: - +
   STATUS NAME          DESCRIPTION                    TYPE

   DF160G.RCCUSTAT      CACHE CU STATUS                BASIC
   DF160G.RCHP          CHANNEL PATH                   BASIC
   DF160G.RCTAPE        TAPE                           BASIC
   DF160G.RLCU          LOGICAL CU                     BASIC
   DF160G.RSMSSGP       SMS STORAGE GROUP PERFORMANCE  BASIC
   DF160G.RSMSSGS       SMS STORAGE GROUP SPACE        BASIC
   DF160G.RUSRDASDP     USER DASD GROUP PERFORMANCE    BASIC
   DF160G.RUSRDASDS     USER DASD GROUP SPACE          BASIC
   DF160G.WALL          WORKLOAD SUMMARY               ROLLUP
   DF160G.WTDDFS01      APPLICATION TDDFS01            BASIC
   DF160G.WTDDFS02      APPLICATION TDDFS02            BASIC
   DF160G.WTDGCS06      APPLICATION TDGCS06            BASIC
   DF160G.WTDGCS08      APPLICATION TDGCS08            BASIC
   DF160G.WTDGCS09      APPLICATION TDGCS09            BASIC
   D2400._DB31_SYSA     D2, TRANSPLEX NAVIGATION       BASIC
   D2400.AACT           ACTIVE TRACES                  BASIC
   D2400.AALL           ALERT SUMMARY                  ROLLUP

    F1=HELP  F5=FILTER  **=BKWD  F8=FWD  F12=CANCEL    BASIC
```

Procedure

Use the following procedure to enable and disable individual alerts.

Step	Action	Result
1	Select **Tools** from the Action Bar and press Enter.	OMEGAVIEW displays the Tools pull-down menu.
2	Select **Alerts Manager** from the **Tools** pull-down menu and press Enter.	OMEGAVIEW displays the Alerts Manager pull-down menu.
3	Depending on whether you want to enable or disable alerts, select **Enable individual alerts** or **Disable individual alerts**. Press Enter.	OMEGAVIEW displays the Status Item Choices panel.
4	From the Status Item Choices panel, you can choose status items using any of the following methods: ■ Type the name of the status item to be selected, if known, on the blank line at the top of the list. ■ Choose status items by scrolling through the list and typing a slash to the left of each selection. ■ Specify a filter to create a more manageable list and then make selections. For information on filtering techniques, see *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise*. When you finish making selections, press Enter.	OMEGAVIEW displays a message confirming that the status items you chose have been enabled or disabled for alert generation.

Specifying a NetView Alert Receiver

A NetView alert receiver is a NetView task that defines itself with a receiver ID. With this option, you can select which local NetView alert receiver accepts transmitted alerts for status item changes. Before you can select an alert receiver, it must be defined in NetView. For information on how to define an alert receiver in NetView, see the NetView *Application Programming Guide* or contact the NetView system programmer at your site.

Software consideration

You must have NetView Version 2.3 or above to use this option.

Procedure

Use the following procedure to change a NetView alert receiver.

Step	Action	Result
1	Select **Tools** from the Action Bar and press Enter.	OMEGAVIEW displays the Tools pull-down menu.
2	Select **Alerts Manager** from the **Tools** pull-down menu and press Enter.	OMEGAVIEW displays the Alerts Manager pull-down menu.
3	Select **Specify NetView alert receiver** from the Alerts Manager pull-down menu and press Enter.	OMEGAVIEW displays the Define NetView Receiver pop-up showing the current NetView alert receiver.
4	To change the NetView alert receiver, specify a new name in the NetView Alert Receiver field and press Enter.	OMEGAVIEW changes the NetView alert receiver and then returns you to the Alerts Manager pull-down menu. If the field is empty, OMEGAVIEW displays the following message: **Default Alert Receiver will be used.**

Structure of OMEGAVIEW-issued Generic Alerts for NetView

A NetView Generic Alert is issued by OMEGAVIEW using the NetView Program-to-Program Interface (PPI) to send a Network Management Vector Transport (NMVT) to NetView. OMEGAVIEW chooses code points automatically. The following sections provide information about NMVT major components, subvector names, and code points that are used in OMEGAVIEW generic alerts. For more information, see the IBM *SNA Formats* manual.

Subvectors used in OMEGAVIEW-issued alerts

The Generic Alerts issued by OMEGAVIEW contain the following components:

- Date/Time Subvector

  This subvector contains a basic Date/Time subfield without the optional time extension or GMT Offset components. The date/time value reflects the system time for the machine where OMEGAVIEW is running. The time for the monitored system where the event that caused the status transition actually occurred is not determined.

- Hierarchy/Resource List Subvector

  This subvector extends the topology information provided by VTAM to include the session name and status name segments of the status item that changed state. If either segment is longer than 8 characters, it will be truncated. The subvector contains 2 Name List subfields. Each is of type X'40' (APPLICATION). The status name segment entry has the flag set to indicate that it is the initial resource name to display on the focal point screen.

- Alert Sender Product Set ID Subvector

  This PSID subvector identifies OMEGAVIEW and, for basic probe-generated status items, the actual monitor product as the product set sending the alert. It contains one or two Product Identifier Subvectors as follows:

  – OMEGAVIEW Product Identifier Subvector

    ✓Product classification (X'0C', Non-IBM software)

    ✓Software Product Program Number Subfield containing 'OMEGAVU'

    ✓Software Product Common Name Subfield containing 'OMEGAVIEW'

    ✓Software Product Common Level Subfield containing X'110000', or whatever the current level is.

  – Monitor Product Identifier Subvector (if applicable)

    ✓Product classification (X'0C', Non-IBM software)

    ✓Software Product Program Number Subfield containing the OMEGAVIEW Configuration Manager Session Type value

    ✓Software Product Common Name Subfield containing the OMEGAVIEW Configuration Manager Session Description field value (truncated to 30 characters if required)

✓Software Product Common Level Subfield containing the current monitor product version number, mapped into the field as 'vvv000'.

- Generic Alert Data Subvector
  - Alert attributes indicate whether the alert was operator-initiated (always 0), held, or delayed. The last 2 values will be set internally by the SendAlerts function based on return codes received from NetView.
  - Alert type

X'02'	Temporary loss of availability. Will be used for all status transitions to NONE.
X'03'	Performance problem detected. Will be used for all transitions to CRITICAL.
X'11'	Impending problem detected. Will be used for all transitions to WARNING.
X'12'	Severity unknown. Will be used for all transitions to OK.

  - Alert description code point

X'4000'	PERFORMANCE DEGRADED. Used for transitions to CRITICAL.
X'4011'	THRESHOLD HAS BEEN EXCEEDED. Used for transitions to WARNING.
X'A000'	PROBLEM RESOLVED. Used for transitions to OK.
X'FE01'	RESOURCE UNAVAILABLE. Used for transitions to NONE.

  - Alert Identifier. This is a number that uniquely identifies each alert based on a total of 8 hexadecimal digits; 6 with the value of X'0', and the lower 2 digits equal to the alert type.
- Probable Causes Subvector

  A list that contains 1 code point specified as X'FE00' UNDETERMINED.
- Recommended Action Subvector

  A list that contains 1 code point specified as X'3112' NOTIFY SYSTEM PROGRAMMER.
- Self-Defining Text Message Subvector
  - Coded Character Set ID specifying the EBCDIC character set (00640) and code page (00500).
  - National Language ID subfield indicating that no country code is specified (X'0000').
  - Sender ID subfield identifying the sender as an application program (X'11').
  - Text Message subfield containing the status item description encoded in EBCDIC, corresponding to the Coded Character Set ID specification above.

Structure of OMEGAVIEW-issued Generic Alerts for Tivoli OMEGACENTER Gateway or Tivoli AF/OPERATOR

You need to know how OMEGAVIEW and Tivoli OMEGACENTER Gateway communicate in order to trap status item changes and to update status items after problems are resolved.

How Tivoli OMEGACENTER Gateway communicates with OMEGAVIEW

If you want to alert Tivoli OMEGACENTER Gateway when an OMEGAVIEW status item changes, concatenate the Tivoli OMEGACENTER Gateway LOADLIB with the OMEGAVIEW STEPLIB during initialization. This enables OMEGAVIEW to send an internal WTO that you can trap through Tivoli OMEGACENTER Gateway's AOSIM facility. The actual content of the internal WTO issued using AOSIM varies, but its format is as follows:

OMEGAVIEW status_name status_description LEVEL: status_level

Possible status levels are:

- CRITICAL
- WARNING
- OK
- NONE

Your trap definition would look something like this:

```
"TRAP ADD(trapname)",
 "WTO('OMEGAVIEW*')",
 "USR(KSD)",
 "ENABLE",
 "LOG",
 "ACTION('EX execname')"
```

Example

The following example shows how to use the interface to trap a status item change and invoke a REXX exec that addresses the problem.

1. You have a status item called SYSA.WALL that represents the status of workloads on System A. You have enabled SYSA.WALL for alert.
2. You define a trap so that when this item becomes critical, Tivoli OMEGACENTER Gateway invokes a REXX exec. This exec will first work on the problem and then update the status item to indicate that the problem was resolved.
3. When SYSA.WALL becomes critical and turns red, OMEGAVIEW sends an internal WTO using the AOSIM facility to Tivoli OMEGACENTER Gateway.
4. Since you have set a trap for this WTO, the trap fires and Tivoli OMEGACENTER Gateway runs the specified REXX exec.
5. The REXX exec uses the STOPEN() function to open the path to OMEGAVIEW's database.
6. The REXX exec issues the STGET() function to see whether any other product or person is working on problem resolution. The exec extracts this information from the status columns for SYSA.WALL.
   - If problem resolution is already being addressed, the REXX exec terminates.
   - If not, the exec sends an STUPDATE() function to the database to indicate that Tivoli OMEGACENTER Gateway is working on problem resolution.
7. When the problem is resolved, the exec issues another STUPDATE() function to update the OMEGAVIEW database and remove the data.
8. The exec terminates.
9. OMEGAVIEW places a **!** on the console to indicate that the status item had been critical at one time.

   For more information on Tivoli OMEGACENTER Gateway alerts, see your Tivoli OMEGACENTER Gateway documentation.

13 Assigning User Authorities

The system administrator can assign authority options to meet each user's requirements. With the different authority options, users can access OMEGAVIEW functions to complete a variety of tasks.

Authority options

The following table shows the available authority options and how users can benefit from them.

When authority option	is set to	the user can:
Administrator (Admin)	Yes	access all parts of the OMEGAVIEW product.
Zoom to Session (Zoom)	Yes	start and access OMEGAMON sessions from OMEGAVIEW.
Problem Management (PrbMgmt)	Yes	update problem management information associated with a status bar.
Operator (Oper)	Yes	start or stop sessions and startup or shutdown the Session Manager through the Configuration Manager.
Status Item Edit (ItmEd)	Yes	access the Status Item Manager to display, add, change, delete, link, and cross reference status items.
Template/Panel Edit (PnlEd)	Yes	access the Template and Panel editors.
Template/Panel Replace (Repl)	Yes	replace panels created by other users.
Timeout	Yes	change their zoomed session timeout interval if their zoom to session authority is also set to Yes.
Subsystem Logging Facility (SLF)	Yes	access the data written to SLF by an OMEGAMON product.

User Authorities sample panel

Product administrators grant or deny access through the User Authorities panel.

```
____  Actions  Edit  Profiles  Options  Help
------------------------------------------------------------ 01/05/04 11:13:23
KMVCAPFD                     User Authorities

Type one or more action codes, then press Enter.                    MORE:  >
  A=Add  C=Change  D=Delete

Action User ID   Group    Admin Zoom PrbMgmt Oper ItmEd PnlEd Repl Timeout
------ -------- -------- ----- ---- ------- ---- ----- ----- ----- -----------

  _    ________
  _    $Default           No   Yes    Yes   No    No    No    No    No
  _    MSTRADMN           Yes  Yes    Yes   Yes   Yes   Yes   Yes   Yes
  _    OPER01    OPER     No   Yes    Yes   Yes   Yes   No    No    No
  _    USER01    USER     No   Yes    Yes   No    No    Yes   No    Yes


F1=Help  F2=Keys  F3=Exit  **=BKWD  **=FWD  F10=Action Bar  *=Left  F20=Right
```

Scroll right to grant access to OMEGAMON products and to data written by an OMEGAMON product to the Subsystem Logging Facility

Using the group field

You can determine which panel users see first when they log onto OMEGAVIEW by creating a group profile and defining that panel in the group field on the User Authorities panel. For more information on group profiles, see “Using Profiles” on page 141.

Procedure to set authority options

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager **1.** Select **Options** from the Action Bar and press Enter. **2.** Select **User Authorities** and press Enter.	OMEGAVIEW displays the User Authorities panel.
3	From the User Authorities panel, you can type **A** (add), **C** (change), or **D** (delete) in the Action column to set user authorities. Then fill in the User ID field and press Enter.	OMEGAVIEW displays the Add (or Change) User Authorities panel as shown on "Add User Authorities sample panel" on page 139 If you are deleting a user's authority, OMEGAVIEW completes the action as soon as you press Enter.
4	From the Add (or Change) User Authorities panel, fill in all User ID fields; press **F1** for a description of each field. Then complete the Authorities fields and press Enter.	OMEGAVIEW displays the Authorities Table panel with the authority options you have selected.

Add User Authorities sample panel

Use the Add User Authorities panel to set a new user's authority.

Note: *Use the Change User Authorities panel to change an existing user's authority. The Add and Change User Authority panels are identical.*

```
 ADD USER AUTHORITIES

TYPE THE REQUESTED INFORMATION, THEN PRESS ENTER.

USER IDENTIFICATION
   USER ID . . . . . : OPER02
   GROUP ASSOCIATION .          +
   NAME. . . . . .
   WORK LOCATION . . .
   TELEPHONE NUMBER. .

AUTHORITIES
   ADMINISTRATION  . . . . . NO  +   YES/NO
   ZOOM TO SESSIONS  . . . . . NO  +   YES/NO
   PROBLEM MANAGEMENT  . . . . . NO  +   YES/NO
   OPERATOR  . . . . . NO  +   YES/NO
   STATUS ITEM EDIT  . . . . . NO  +   YES/NO
   TEMPLATE/PANEL EDIT . . . . . NO  +   YES/NO
   TEMPLATE/PANEL REPLACE  . . . . . NO  +   YES/NO
   CHANGE SESSION TIMEOUT INTERVAL . . . NO  +   YES/NO

 F1=HELP  F4=PROMPT  F12=CANCEL  F14=CCC REPORT AUTHORITIES
```

Using Profiles

Introduction

This chapter contains information on using the four types of profiles.

Chapter Contents

Background about the Logon Profiles

A logon profile contains the password and ID used by OMEGAVIEW to log on to a collector session. The advantage to using a logon profile is that, should any IDs change, you need only change one profile rather than change the logon data for multiple sessions.

IBM provides a default logon profile, named $DEFAULT, for use when defining sessions (Logon Profile appears as a field on the Add Session panel). If you choose to define a logon profile instead of using $DEFAULT, add the logon profile before adding the session for which it will be used.

Note: *If the OMEGAMON sessions at your site are protected by RACF, ACF2, or TOPSECRET security, you may want to update the Logon Profile with a user ID whose password does not expire. This will ensure that OMEGAVIEW can connect to its OMEGAMON sessions without your having to regularly update the Logon Profile with a new password.*

You can customize a variety of profiles to meet your site's needs. These profiles include logon, DASD, group, and automated OMEGAVIEW logon profiles.

Profiles pull-down sample panel

```
Tools  Profiles  View  Options  Help

          1. Logon profiles
          2. DASD profiles
          3. Thresholds
          4. Group profiles
          5. Automated OMEGAVIEW logon profiles(V)

        F1=Help  F12=Cancel
```

User authority required

You need Administrator authority to add, change, and delete logon profiles.

Add Logon Profile sample panel

```
                        Add Logon Profile

Type the requested information, then press enter.

Logon Profile Name: TDTD82A
Description . . . .

Identification
   User ID. . . . . TDTD82A
   Password . . . .

Additional Information
   Group  . . . . .
   Account. . . . .

 F1=Help  F12=Cancel
```

Field descriptions

The following table describes the fields on the Logon Profile panel you complete to add a profile.

Logon Profile Field	Description
Logon Profile Name	The name of the logon profile
Description	A description of the logon profile. This field is optional.
User ID	The logon ID (1 to 8 alphanumeric characters) used to start the session. This field is required unless the ID is already defined on OMEGAVIEW.
Password	The password (1 to 8 alphanumeric characters) used to start the session. This field is required unless the password is already defined on OMEGAVIEW.
Group (Required only with external security)	The user's group name (1 to 8 alphanumeric characters).
Account (Required only with external security)	The user's account name (1 to 8 alphanumeric characters).

Using Logon Profiles

To add a new profile or change an existing profile to OMEGAVIEW, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Profiles** from the Action Bar and press Enter.	OMEGAVIEW displays the Profiles pull-down menu.
3	From the Profiles menu, select **Logon profiles** and press Enter.	OMEGAVIEW displays the Logon profiles panel.
4	From the Logon profiles panel, you can ■ Add a new profile. Type **A** in the Action column and the name of the profile in the profile name field and press Enter. ■ Change an existing profile. Type **C** in the Action column and the name of the profile you want to change in the profile name field, or position the cursor next to the desired profile name and type **C**. Press Enter. ■ Delete an existing profile. Type **D** in the Action column and the name of the profile you want to delete in the profile name field, or position the cursor next to the desired session name and type **D**. Press Enter. OMEGAVIEW deletes the profile.	If you are adding a new profile, OMEGAVIEW displays the Add Logon Profile panel. If you are changing an existing profile, OMEGAVIEW displays the Change Logon Profile panel.
5	On the Add (or Change) Logon Profile panel, complete the fields and press Enter.	OMEGAVIEW adds or changes the Logon profile and displays the Logon Profile panel.

Using DASD Profiles

A DASD profile defines the minimum criteria for collecting DASD performance data and specifies a series of DASD devices to include or exclude from the analysis.

User authority required

You need Administrator authority to add, change, and delete DASD profiles.

Add DASD Profile sample panel

```
                    Add DASD Profile

Type the requested information, then press enter.

DASD Profile Name: DASDTST
Description . . . .

Minimal Selection Criteria
   Percent Busy . .  99     1-99 percent

VOLSER Mask List. . Include   + Exclude/Include




 F1=Help  F4=Prompt  F12=Cancel
```

Field descriptions

The following table describes the fields on the DASD Profile panel you complete to add a profile.

DASD Profile Field	Description
DASD Profile Name	The name of the DASD profile
Description	A description of the DASD profile. This field is optional.
Percent Busy	The minimum busy percentage, from 1 to 99, which the DASD must experience before the analysis routines are invoked. This field is required.
Volser Mask List	The DASD volumes (or masks) included or excluded from DASD analysis. You can include or exclude DASD volumes, matching those specified in the Volser Mask List, from DASD analysis. Use F4 to choose either exclude or include, then define the names (from 1 to 6 characters) of up to 20 masks to include or exclude from the monitoring routines.

Procedure

To add a new profile or change an existing profile to OMEGAVIEW, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter. Then select **Profiles** from the Action Bar and press Enter.	OMEGAVIEW displays the Profiles pull-down menu.
2	From the Profiles menu, select **DASD profiles** and press Enter.	OMEGAVIEW displays the DASD profiles panel.
3	From the DASD profiles panel, you can ■ Add a new profile. Type **A** in the Action column and the name of the profile in the profile name field and press Enter. ■ Change an existing profile. Type **C** in the Action column and the name of the profile you want to change in the profile name field or position the cursor next to the desired profile name and type **C**. Press Enter. ■ Delete an existing profile. Type **D** in the Action column and the name of the profile you want to delete in the profile name field or position the cursor next to the desired session name and type **D**. Press Enter. OMEGAVIEW deletes the profile.	If you are adding a new profile, OMEGAVIEW displays the Add DASD Profile panel. If you are changing an existing profile, OMEGAVIEW displays the Change DASD Profile panel.
4	On the Add (or Change) Logon Profile panel, complete the fields. For the Volser Mask List, use F4 to choose either exclude or include, then define the names (from 1-6 characters). When you finish, press Enter.	OMEGAVIEW adds or changes the DASD profile and displays the DASD Profile panel.

Using Group Profiles

The Group Profile places users with similar responsibilities under a common group profile name. You can specify which startup panel the group sees when signing onto OMEGAVIEW. To assign members to a group, see "Assigning User Authorities" on page 137.

User authority required

You need Administrator authority to add, change, and delete Group profiles.

Change Group Profile sample panel

```
                  Change Group Profile

Type the requested information, then press enter.

Group Name. . . . . . . : $DEFAULT
Description . . . . . . . Default Group
Default Startup Panel . . $DFLT1           +

 F1=Help  F4=Prompt  F12=Cancel
```

Field descriptions

The following table describes the fields on the Group Profile panel you complete to add a profile.

Group Profile Field	Description
Group Profile Name	The name of the Group profile
Description	A description of the Group profile. This field is optional.
Default Startup Panel	The name of the panel OMEGAVIEW displays when a member of this group signs on. You can press F4 to display a list of panels.

Procedure

To add a new profile or change an existing profile to OMEGAVIEW, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter. Then select **Profiles** from the Action Bar and press Enter.	OMEGAVIEW displays the Profiles pull-down menu.
2	From the Profiles menu, select **Group profiles** and press Enter.	OMEGAVIEW displays the Group profiles panel.
3	From the Group profiles panel, you can ■ Add a new profile. Type **A** in the Action column and the name of the profile in the profile name field and press Enter. ■ Change an existing profile. Type **C** in the Action column and the name of the profile you want to change in the profile name field or position the cursor next to the desired profile name and type **C**. Press Enter. ■ Delete an existing profile. Type **D** in the Action column and the name of the profile you want to delete in the profile name field or position the cursor next to the desired session name and type **D**. Press Enter. OMEGAVIEW deletes the profile.	If you are adding a new profile, OMEGAVIEW displays the Add Group Profile panel. If you are changing an existing profile, OMEGAVIEW displays the Change Group Profile panel.
4	On the Add (or Change) Group Profile panel, complete the fields. For the Default Status Panel, you can use F4 to display a list of available panels from which you can choose. When you finish, press Enter.	OMEGAVIEW adds or changes the group profile and displays the Group Profile panel.

Using Automated OMEGAVIEW Logon Profiles

You can use the automated OMEGAVIEW logon profile to start an OMEGAVIEW session at an unattended terminal.

User authority required

You need Administrator authority to control automated OMEGAVIEW logon profiles.

Automated OMEGAVIEW Logon Profile sample panel

```
                    Automated OMEGAVIEW Logon Profile

Type one or more action codes, then press Enter.
  A=Add  C=Change  D=Delete

        Terminal
Action  ID (LU)   User ID   Terminal Location
------  --------  --------  ----------------------------------------
  _     ________
  _     LU001     $DEFAULT  test
```

Field descriptions

The following table describes the fields on the automated OMEGAVIEW logon profile panel you complete to add or modify a profile.

Profile Field	Description
Terminal ID (LU)	The ID of the terminal (LU) on which you want to start the session.
User ID	A valid user ID that is defined in the Logon Profile. For more information, see "Using Logon Profiles" on page 144.
Terminal Location	A description of the location of the terminal.

Procedure

To add, change, delete, and enable a profile, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter.	OMEGAVIEW displays the Configuration Manager.
2	From the Configuration Manager, select **Options** and then select **Enable automated OMEGAVIEW logon**. Press Enter.	OMEGAVIEW enables the automated logon option, and displays the message: Automated OMEGAVIEW logon is now enabled To clear the message, press F12. To disable the feature, select the option again.
3	Select **Profiles** from the Action Bar and press Enter.	OMEGAVIEW displays the Profiles pull-down menu.
4	From the Profiles menu, select **Automated OMEGAVIEW logon profiles** and press Enter.	OMEGAVIEW displays the Automated OMEGAVIEW Logon Profile panel.
5	From the Automated OMEGAVIEW Logon profile panel, you can ■ Add a new terminal ID (LU) definition. Type **A** in the Action column, and the ID of the terminal you want to add and press Enter. ■ Change a user ID or description for an existing terminal definition. Type **C** in the Action column and the ID of the terminal you want to change or position the cursor next to the desired terminal ID and type **C**. Press Enter. ■ Delete an existing terminal definition. Type **D** in the Action column and the ID of the terminal you want to delete or position the cursor next to the desired terminal ID and type **D**. Press Enter.	If you are adding a new profile, OMEGAVIEW displays the Add Automated OMEGAVIEW Logon Profile panel. If you are changing an existing profile, OMEGAVIEW displays the Change Automated OMEGAVIEW Logon Profile panel. If you are deleting an existing profile, OMEGAVIEW displays the Delete Confirmation panel.

Step	Action	Result
6	On the Add (or Change) Automated OMEGAVIEW Logon Profile panel, complete the fields. When you finish, press Enter. On the Delete Confirmation panel, select Delete or Cancel, and press Enter. The user ID you assign also must be defined in the Logon Profile. See "Using Logon Profiles" on page 144 for more information about logon profiles.	OMEGAVIEW adds or changes the profile and displays the Automated OMEGAVIEW Logon Profile panel. OMEGAVIEW deletes the profile.
7	When you have completed your selections, press F3 to exit the Automated OMEGAVIEW Logon Profile panel.	OMEGAVIEW returns you to the Configuration Manager.
8	Perform the following step from the z/OS console. Issue the following VTAM command to activate the terminal ID. **/VARY net,act,id=*term*,logon=*cccccccc*** where: ■ *term* is the terminal ID (LU) you specified in the Automated OMEGAVIEW Logon profile ■ *cccccccc* is the VTAM applid of the. OMEGAVIEW product with which you want VTAM to start the unattended session.	The unattended OMEGAVIEW session starts when the OMEGAVIEW address space is started successfully and the specified terminal ID is activated by the VTAM VARY ACTIVE command.

15 Setting Thresholds

Introduction

This chapter contains information about setting thresholds.

Chapter Contents

Background about Thresholds

A threshold is a value against which performance statistics are compared. You set thresholds to define the critical and warning conditions for each status data element monitored by OMEGAVIEW. The thresholds that you set will vary according to the product collecting the data:

- Exception analysis thresholds are defined in the OMEGAMON user profile. For further information about defining exception analysis thresholds, refer to the OMEGAMON documentation for the product you are monitoring.
- Default response time and DASD thresholds for classic OMEGAMON products are set up in OMEGAVIEW, but you can change them or define your own to reflect different system performance requirements.
- For OMEGAMON II products, OMEGAVIEW does not control response time or DASD thresholds. For example, all thresholds for OMEGAMON II for MVS are set in OMEGAMON II for MVS.
- Alert status items are generated by the underlying products according to the rules set by each product. Therefore, thresholds for alerts cannot be defined in OMEGAVIEW.

Status bar colors

The color of the exception analysis status bar in OMEGAVIEW is determined by the tripped OMEGAMON exceptions. If a critical exception is tripped in OMEGAMON, OMEGAVIEW displays a red status bar; if the warning level of an exception trips, OMEGAVIEW displays a yellow status bar.

Important

OMEGAVIEW interprets the color attribute of OMEGAMON exceptions. Make sure the underlying OMEGAMON threshold is set to warning as yellow and critical as red. If you change the exception color in OMEGAMON to any color other than red or yellow, OMEGAVIEW displays an OK status bar.

To set exception thresholds, you must first define the thresholds in the OMEGAMON user profile or in the appropriate OMEGAMON II product. These methods are described in the documentation for the product being monitored.

After you have set exception thresholds in the OMEGAMON II product to be monitored, you may then define (add) threshold values for that product in OMEGAVIEW.

User authority required

You need Administrator authority to add, change, and delete thresholds.

Add Threshold sample panel

```
                          Add Threshold

Type the requested information, then press enter.

Status name mask. : *.RDASDSVC
Description . . . . All DASD Service Times__

Status Thresholds:
   Critical . . . . 55____
   Warning. . . . . 35____
   OK . . . . . . . 0_____

 F1=Help  F12=Cancel
```

Field descriptions

The following table describes the fields on the Thresholds panel. For more information on these fields, refer to the online help available with the OMEGAVIEW product.

Threshold Field	Description
Status name mask	The name of the status name mask you want to define. The name can contain up to 20 alphanumeric characters and should be specific enough to isolate a single type of measurement.
Description	A description of the threshold profile. This field is optional.
Critical status threshold	The critical threshold value. If the collected data is equal to or greater than the limit you set, the status bar for the item specified in the mask appears with the critical color.
Warning status threshold	The warning threshold value. If the collected data is equal to or greater than this limit but less than the Critical threshold, the status bar for the item specified in the mask appears on the panel with the warning color. ***Note:*** *If the warning threshold is higher than the critical threshold, the values are compared using a less than or equal rule.*
OK status threshold	The OK status threshold value. The OK threshold value. This defines the normal value for the status item. If the item specified in the mask is equal to or greater than this limit but less than the Warning threshold, the status bar for this item appears on the panel in the OK color (green is the default).

Setting Thresholds

To add a new threshold, change an existing threshold, or delete a threshold, follow these steps:

Step	Action	Result
1	Access the Configuration Manager by selecting **Tools** from the Action Bar. Then select the **Configuration Manager** option and press Enter. Then select **Profiles** from the Action Bar and press Enter.	OMEGAVIEW displays the Profiles pull-down menu.
2	From the Profiles menu, select **Thresholds** and press Enter.	OMEGAVIEW displays the Thresholds panel.
3	From the Thresholds panel, you can ■ Add threshold values for a new status name mask. Type **A** in the Action column and the name of the mask, using up to 20 alphanumeric characters (including extensions), in the status name mask field and press Enter. ■ Change threshold values for an existing status name mask. Type **C** in the Action column and the name of the mask you want to change in the status name mask field or position the cursor next to the desired mask name and type **C**. Press Enter. ■ Delete an existing status name mask. Type **D** in the Action column and the name of the mask you want to delete in the status name mask field or position the cursor next to the desired session name and type **D**. Press Enter. OMEGAVIEW deletes the status name mask.	If you are adding a new profile, OMEGAVIEW displays the Add Threshold panel. If you are changing an existing profile, OMEGAVIEW displays the Change Threshold panel.
4	On the Add (or Change) Threshold panel, complete the fields and press Enter.	OMEGAVIEW adds or changes the thresholds for the indicated status name mask displays the Threshold panel.

16 Storing Passwords

Introduction

This chapter describes OMEGAVIEW password storage options and explains how you can control these options. How passwords are stored can also affect the process for restarting OMEGAVIEW, which is also described.

Chapter Contents

Disabling and Enabling Password Storage

You can choose whether or not you want OMEGAVIEW to store passwords in files on DASD. By default, OMEGAVIEW stores user IDs and passwords on disk. You can also choose to have passwords discarded when OMEGAVIEW terminates.

Disabling password storage

To disable password storage on disk, you must have administrator authority. Follow these steps:

Step	Action	Result
1	From the Configuration Manager Options pull-down menu, select **Disable password storage** and press Enter.	A pop-up message appears indicating the new setting.
2	Press Enter or F12 to return to the Configuration Manager.	Any user ID and password subsequently entered will not be stored on disk. Previously stored passwords will remain stored until the records containing them are modified, at which time they will be removed. Disk storage of passwords entered using the session logon data facility is disabled as well. See *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise* for more information on the session logon data facility.

For information on restarting OMEGAVIEW after password storage has been disabled, see "Restarting OMEGAVIEW After Disabling Password Storage" on page 159.

Enabling password storage

To enable password storage on disk, you must have administrator authority. Follow these steps:

Step	Action	Result
1	From the Configuration Manager Options pull-down menu, select **Enable password storage** and press Enter.	A pop-up message appears indicating the new setting.
2	Press Enter or F12 to return to the Configuration Manager.	Any user ID and password subsequently entered (from either the logon profile facility or the session logon data facility) will be stored on disk. Disk storage of passwords entered using the session logon data facility is enabled as well. See *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise* for more information on the session logon data facility.

Restarting OMEGAVIEW After Disabling Password Storage

Introduction

If you choose to disable password storage, OMEGAVIEW can still start without intervention, but it cannot collect data until a user with administrator authority logs onto the system and supplies the passwords to start each collector session. You must have administrator authority to supply the passwords. A user without administrator authority can access OMEGAVIEW panels, but all the status lights will be turquoise.

Procedure

When you restart OMEGAVIEW after password storage has been disabled, the OMEGAVIEW Session Manager detects that passwords are missing and suspends initialization. When a user with administrator authority logs on, a message appears indicating that passwords are required. To continue, follow these steps:

Step	Action	Result
1	Respond to the message with one of the following choices: ■ Supply logon profile passwords now ■ Continue without supplying passwords If you select to continue without supplying passwords, OMEGAVIEW resumes its initialization but the status lights will all display in turquoise. To supply the passwords, select **Supply logon profile passwords now** and press Enter.	The Configuration Manager Logon Profile panel is displayed.
2	Supply the necessary passwords for the logon profiles. When you have finished, exit the panel.	The Session Manager displays a message confirming that it has started.

Note: *If the Session Manager attempts to start a session for which there is no password, a standard logon failure will result. Resolve the failure and try again.*

17 Setting Up Security

Introduction

This chapter describes procedures for selecting a security system for OMEGAVIEW. It assumes that you are familiar with the different security systems.

Chapter Contents

Before You Start

You will need access to data sets that were created when OMEGAVIEW was installed. You can identify the actual names for the following data sets by browsing the JCL used to start the OMEGAVIEW address space (which is typically stored in **SYS1.PROCLIB**).

RKANMODL

RKANPAR

Selecting the NAM Security Facility

The Network Access Manager (NAM) can either serve as a standalone security system or provide an interface to the security system of your choice.

KMVINNAM defines one or more *control points*, each of which selects a security system and names a VSAM file in which to store user profile information. When NAM is the chosen security system, the NAM database also holds security information. OMEGAVIEW uses only one control point, so that all users access applications through the same security system.

If you use NAM for security, do not share the NAM and table database VSAM files with other address spaces. Each OMEGAVIEW address space must have its own NAM and table database.

Procedure

Follow the steps below to use the NAM facility for security.

Step	Action
1	In member *rhilev.midlev*.RKANPAR(KMVINNAM), change NODB to DB. It should look like the following example when you finish. **DEFAULT DSNAME (rhilev.midlev.RKMVNAM) NORACF DB**
2	Restart OMEGAVIEW
3	To add more user IDs to the NAM database, issue the z/OS MODIFY command from the z/OS console. For example: **F cccccccc,NAM SET userid1 PASSWORD=PASSWORD1** **F cccccccc,NAM SET userid2 PASSWORD=PASSWORD2** where ***cccccccc*** is the started task name you specified for OMEGAVIEW using the Configuration Tool. ***Note:*** *When you define a user ID in this manner, the password you assign is temporary. At logon time, the user will be prompted to change the password. The password used when adding the ID should not be the password you want as your real password.*

Selecting RACF

Before you activate the RACF interface, make sure the RKANMODL library is APF-authorized. (For more information on APF authorization, see the IBM manual *SPL: Initialization and Tuning*.)

In addition, you must make sure that RACF gives CONTROL authority to the OMEGAVIEW address space for all of the VSAM files it uses. These are the RKMVNAM, RKMVVLOG, and RKMVTDB data sets that are specified in the RKANPAR members KMVINNAM, KMVINVLG, and KMVINTB.

For more information on RACF, see the RACF *Security Administration Guide*.

Procedure

Follow the steps below to install the RACF interface.

Step	Action
1	Make the following changes to member *rhilev.midlev*.RKANPAR(KMVINNAM) ■ Change NORACF to RACF. ■ Change DB to NODB. The member should look like the following when you finish: **DEFAULT DSNAME(rhilev.midlev.RKMVNAM) RACF NODB**
2	Restart OMEGAVIEW.

Selecting CA-ACF2

Before you install the CA-ACF2 interface, make sure the RKANMODL library is APF-authorized. (For more information on APF authorization, see the IBM manual *SPL: Initialization and Tuning*.)

Because OMEGAVIEW uses a multiuser system access control point, it has all the characteristics of an ACF2 Multiple User Single Address Space System (MUSASS). That is, system access validations are initiated and enforced by the address space on behalf of the network user.

Procedure

Follow the steps below to install the CA-ACF2 interface.

Step	Action
1	In *rhilev*.RKANSAM, assemble and link KLVA2NEV with AC=1 and AMODE=24 into the *rhilev*.RKANMODL library. Modify the assembly JCL in member KLV@ASM of *rhilev*.RKANSAM(KLV@ASM) according to instructions in the member.
2	Define OMEGAVIEW as a MUSASS to ACF2. For example, under TSO, do the following (where lower case indicates user entry, and upper case indicates system response). **READY** **acf** **ACF** **set lid** **LID** **ch *cccccccc* musass** **LID** **end** **READY** ***Note:*** **cccccccc** *is the started task name you specified for OMEGAVIEW using the Configuration Tool.*
3	Update member *rhilev.midlev*.RKANPAR(KMVINNAM) by adding the parameter EXIT(KLVA2NEV). The member should look like the following when you finish. **DEFAULT DSNAME(rhilev.midlev.RKMVNAM) EXIT(KLVA2NEV) -** **NORACF NODB**
4	Restart OMEGAVIEW.

Selecting CA-TOP SECRET

Before you install the CA-TOP SECRET interface, make sure the RKANMODL library is APF-authorized. (For more information on APF authorization, see the IBM manual *SPL: Initialization and Tuning*.)

Procedure

Follow the steps below to install the CA-TOP SECRET interface.

Step	Action
1	In member RKANPAR(KMVINNAM), change NORACF to RACF. The member should look like the following when you finish. **DEFAULT DSNAME(rhilev.midlev.RKMVNAM) RACF NODB**
2	Define the OMEGAVIEW address space as a started task in the STC record, along with the related master FACILITY ACID. For example, enter: **TSS ADD(STC) PROC(*ccccccc*) ACID(master facility acid)** where ***ccccccc*** is the started task name you specified for OMEGAVIEW using the Configuration Tool.
3	**Optional:** If you want to protect all OMEGAVIEW data sets, define them to CA-TOP SECRET. Make sure the OMEGAVIEW started task has access to them.
4	Define ***ccccccc*** as a FACILITY to CA-TOP SECRET in the Facility Matrix Table, where ***ccccccc*** is the started task name you specified for OMEGAVIEW using the Configuration Tool. The started task name and the FACILITY name must match. To use the same FACILITY name across multiple address spaces, the FACILITY name must match *at least 1* of the started task names in each address space. The following example shows FACILITY statements from a production installation using CA-TOP SECRET as the security system. Some statements may not be relevant to your system, so you may need to modify them to fit your standards and configuration. In this example ***ccccccc*** is the started task name you specified using the Configuration Tool. **FACILITY(USER3=NAME=ccccccc)** **FACILITY(ccccccc=MODE=FAIL,ACTIVE,SHRPRF)** **FACILITY(ccccccc=PGM=KLV,NOASUBM,NOABEND,NOXDEF)** **FACILITY(ccccccc=ID=3,MULTIUSER,RES,LUMSG,STMSG,WARNPW,SIGN(M))** **FACILITY(ccccccc=NOINSTDATA,NORNDPW,AUTHINIT,NOPROMPT,NOAUDIT,NOMRO)** **FACILITY(ccccccc=NOTSOC,LOG(INIT,SMF,MSG,SEC9))** ***Note:*** *Make certain that the SIGN parameter on the FACILITY statement is specified as SIGN(M). Otherwise, CA-TOP SECRET may produce a message stating that user access has been revoked. Also, verify that MODE=FAIL is set.*
5	Restart OMEGAVIEW.

Defining a Managed System Name

Introduction

This chapter contains information defining a managed system name for the Candle Management Server.

Chapter Contents

Defining a Managed System Name

You can specify a managed system name that will enable OMEGAVIEW to transmit status item and managed system information for an OMEGAMON collector session to the Candle Management Server whenever the status bar colors change.

How to define a managed system name

The default managed system name is the session name used to send status information to the Candle Managerment Server.

Complete the Managed System Name field from the Add or Change Session panel to specify a managed system name. You can specify a new name or use the default name. You must complete this field to enable OMEGAVIEW to transmit the status of your session to the Candle Managerment Server. If you omit this field, alert data is not forwarded to the Candle Managerment Server. Refer to "Working With Sessions" on page 67 for information on accessing and using the Add or Change Session panels. Use the information below to assist you in selecting a managed system name.

Choosing a name

The name can be up to eight characters and should uniquely identify the OMEGAMON collector session. The name may include any combination of the following characters: A-Z, 0-9, _, #, @, $. When specifying a managed system name, enter a name that helps identify the system or subsystem that the OMEGAMON collector session is monitoring. Typical managed system names might be any one of the following:

- Host system name
- CICS region name
- DB2 subsystem name
- VTAM applid
- managed system name defined to the CandleNet Portal

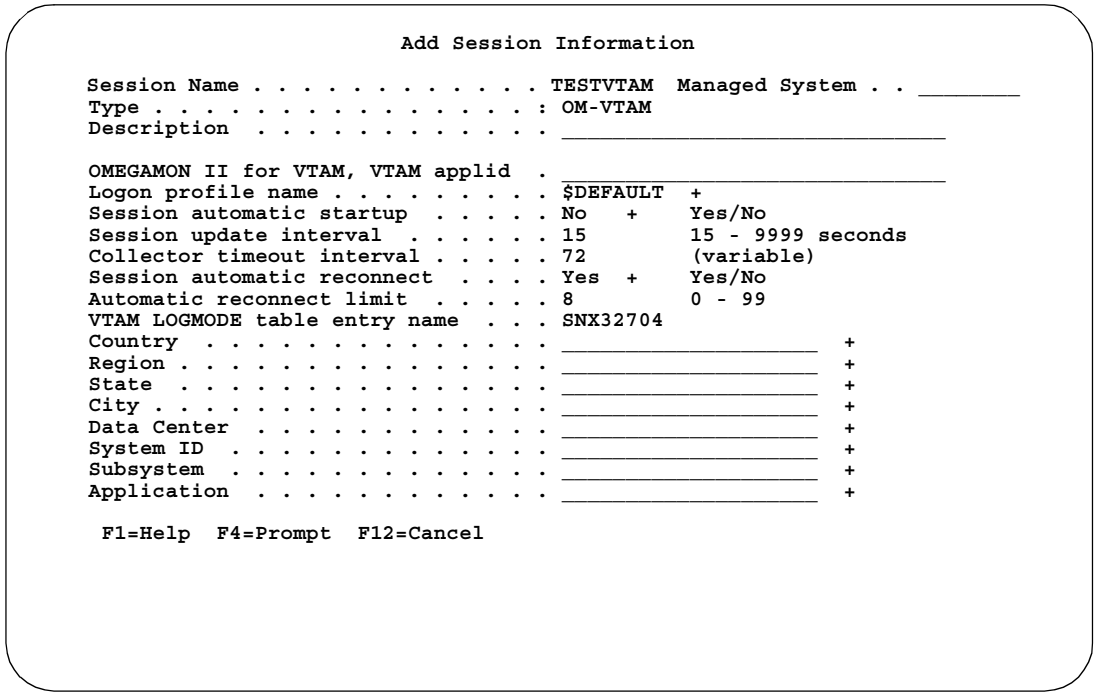
When deciding what managed system name to use, keep in mind that this particular piece of information can be viewed in the CandleNet Portal and will be used to help identify performance bottlenecks or other problems in your enterprise.

The CandleNet Portal and Candle Management Server are capable of selectively requesting status item information that meets user-specified search criteria, including the managed system name.

Add Session panel

The following panel shows the following new fields on the Add Session panel:

- Managed System
- Collector Timeout Interval
- Automatic Reconnect Limit



```
                        Add Session Information

Session Name . . . . . . . . . . . . TESTVTAM  Managed System . . ________
Type . . . . . . . . . . . . . . . . : OM-VTAM
Description  . . . . . . . . . . . . ________________________________

OMEGAMON II for VTAM, VTAM applid  . ________________________________
Logon profile name . . . . . . . . . $DEFAULT  +
Session automatic startup  . . . . . No   +    Yes/No
Session update interval  . . . . . . 15       15 - 9999 seconds
Collector timeout interval . . . . . 72       (variable)
Session automatic reconnect  . . . . Yes  +    Yes/No
Automatic reconnect limit  . . . . . 8        0 - 99
VTAM LOGMODE table entry name  . . . SNX32704
Country  . . . . . . . . . . . . . . ____________________  +
Region . . . . . . . . . . . . . . . ____________________  +
State  . . . . . . . . . . . . . . . ____________________  +
City . . . . . . . . . . . . . . . . ____________________  +
Data Center  . . . . . . . . . . . . ____________________  +
System ID  . . . . . . . . . . . . . ____________________  +
Subsystem  . . . . . . . . . . . . . ____________________  +
Application  . . . . . . . . . . . . ____________________  +

 F1=Help  F4=Prompt  F12=Cancel
```

Using the OMEGAVIEW to Candle Management Server Status Item

OMEGAVIEW maintains a basic alert status item that reflects short-term and long-term alert status history for the connection between OMEGAVIEW and Candle Management Server. This status item reflects the current condition of the OMEGAVIEW connection to Candle Management Server.

Candle Management Server status item name

The Candle Management Server status item name is **CMSCON.AALL**. It is the first status bar on the OMEGAVIEW default status panel ($DFLT1).

Note: *The basic type of status item uses the low-level naming convention and is usually used for rollup type alert status items (AALL). You can define an AALL status as a basic type.*

The example screens below show the connection status item CMSCON.AALL.

```
                  Status Item Choices (Filtered)

Position cursor to choose one item from the list below, then
press Enter.  Press F5 to view or change the filter.

   Status name          Description                    Type

   CMSCON.AALL   Candle Management Server         Interface BASIC


 F1=Help  F5=Filter  **=Bkwd  **=Fwd  F12=Cancel
```

```
                      CMSCON AALL Information

      Status name . . . . . . : CMSCON.AALL
      Description . . . . . . : Alert summary
      Status type . . . . . . : BASIC
      Alert generation  . . . : DISABLED

         Last 4 hours       Last 15 minutes
      ____ ____ ____ ____     ________ _

      Country. . . . . :  _______________
      Region . . . . . : _______________
      State. . . . . . : _______________
      City . . . . . . : _______________
      Data Center. . . : _______________
      System ID. . . . : _______________
      Subsystem. . . . : _______________
      Application. . . : _______________


      F1=Help  F6=Derivation rule  F9=Cross reference  F12=Cancel
```

Default status panel

This example screen shows the default status panel built with the Candle Management Server interface enabled. The first session listed on the panel displays the CMSCON AALL (Alert) short-term history bar showing the status of the OMEGAVIEW to Candle Management Server interface connection.

```
                          OMEGAVIEW Version 3.1.0

Type one or more action codes, then press Enter.              >   Forward
 S=Show details P=Problem management I=Information C=Change G=GoTo E=Events
+-------------------------------------------------------------------------+
| Session Name  |  Workload Status    |  Resource Status    |  Alert Status |
|---------------+---------------------+---------------------+---------------|
| CMSCON        |                     |                     |               |
| Enterprise    |                     |                     |               |
| CICS1         |                     |                     |               |
| CICS2         |     _________ _     |     _________ _     |               |
| CICS3         |     _________ _     |     _________ _     |               |
| DB2           |     _________ _     |     _________ _     |               |
| IMS           |     _________ _     |     _________ _     |               |
| MVS           |     _________ _     |     _________ _     |               |
| SMS           |     _________ _     |     _________ _     |               |
| VTAM          |     _________ _     |     _________ _     |               |

 F1=Help  F2=Keys  F3=Exit  F5=Refresh  F10=Action Bar  **=Top Panel
```

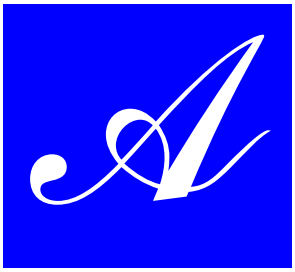
If you select the **CMSCON** status bar in the default panel above, you will receive the following pop-up message.

```
 KMVOMSCM          Message

This short-term history bar displays the
following colors for the connection between
OMEGAVIEW and the Candle Management Server:

Turquoise - OMEGAVIEW is not configured to
use the Candle Management Server.

Green - OMEGAVIEW is currently logged-on to
the Candle Management Server.

Yellow - OMEGAVIEW is logging-on to the
Candle Management Server.

Red - OMEGAVIEW is unable to logon to the
Candle Management Server.

 F12=Cancel
```

Including the connection status item on custom panels

As with other status items, you can include the CMSCON.AALL short-term or long-term status bar in your own custom panels. Refer to *Using OMEGAVIEW and OMEGAVIEW II for the Enterprise* for information on creating panels.

Section 3. Appendixes



Using Automated Session Control

How Automated Session Control Works

This section describes the basic process that follows when you combine traps and REXX execs to automate changes that you would otherwise have to make manually through Configuration Manager. You can create more elaborate automation scenarios or ones that perform a different task, but the overall process is essentially the same.

The Automated Session Control feature enables you to automate the following actions for OMEGAVIEW status data collector sessions:

- Stop a session
- Start a session
- Update session information
- Stop, update, and then restart a session
- Stop Session Manager, which stops all collector sessions
- Start Session Manager, which starts all collector sessions that have their Automatic Start option set to Yes

Requirements

The Automated Session Control feature requires Tivoli OMEGACENTER Gateway Version 120 or higher.

Note: *You should be familiar with both the Tivoli OMEGACENTER Gateway automation features and the OMEGAVIEW Configuration Manager before using the Automated Session Control interface. See the Tivoli OMEGACENTER Gateway documentation for details.*

OMEGAMON types

The Automated Session Control interface can make session changes to the following OMEGAMON types.

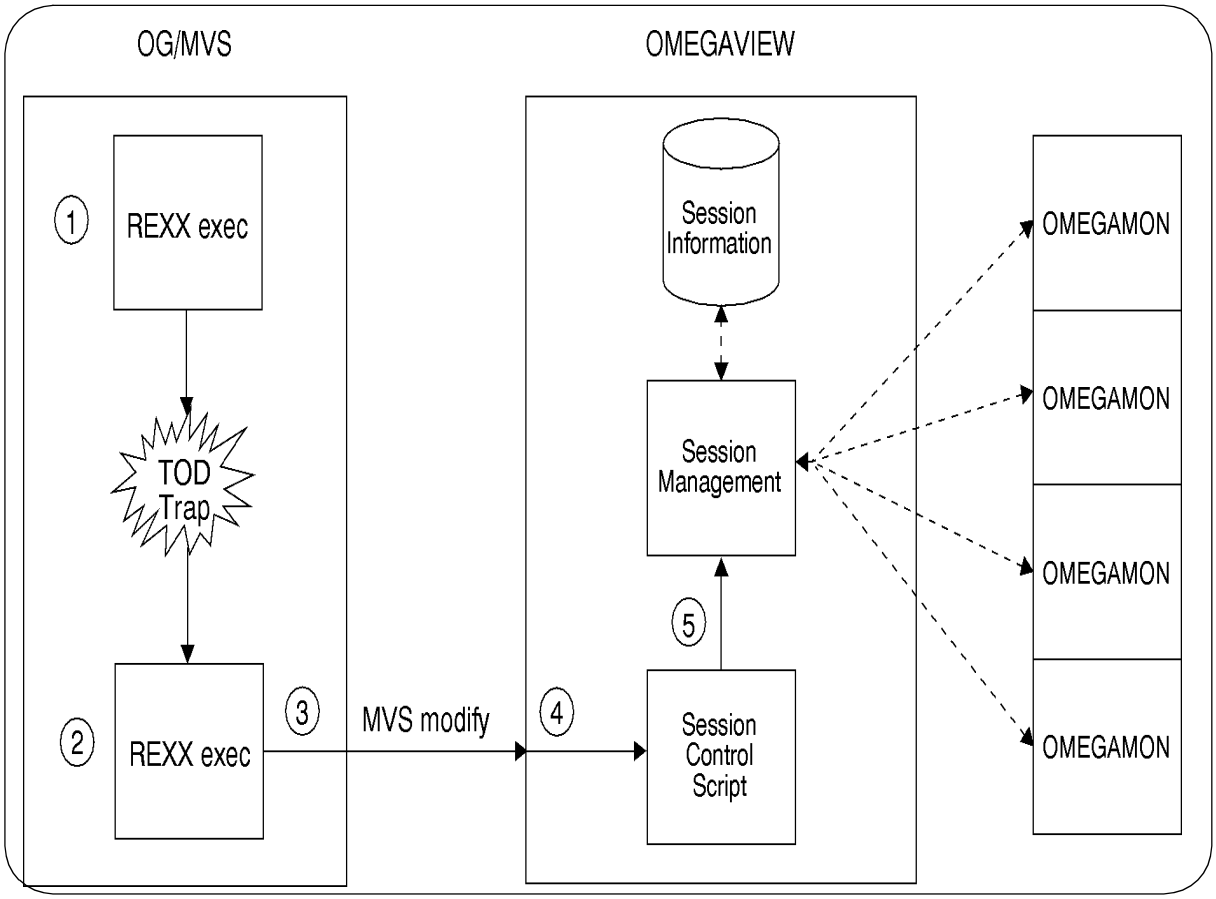
OMEGAMON II	OMEGAVIEW Session Type
OMEGAMON II for CICS	OM/II-CICS
OMEGAMON II for DB2	O2/II
OMEGAMON II for IMS	OI/II
OMEGAMON II for MVS	OM/II
OMEGAMON II for SMS	OM/II-SMS
OMEGAMON II for VTAM (or OMEGAMON II for Mainframe Networks)	OM-VTAM

Process

The following describes the basic process used by the Automated Session Control interface. Traps and execs like those described below can be adapted from samples included with OMEGAVIEW (Version 120 and above).

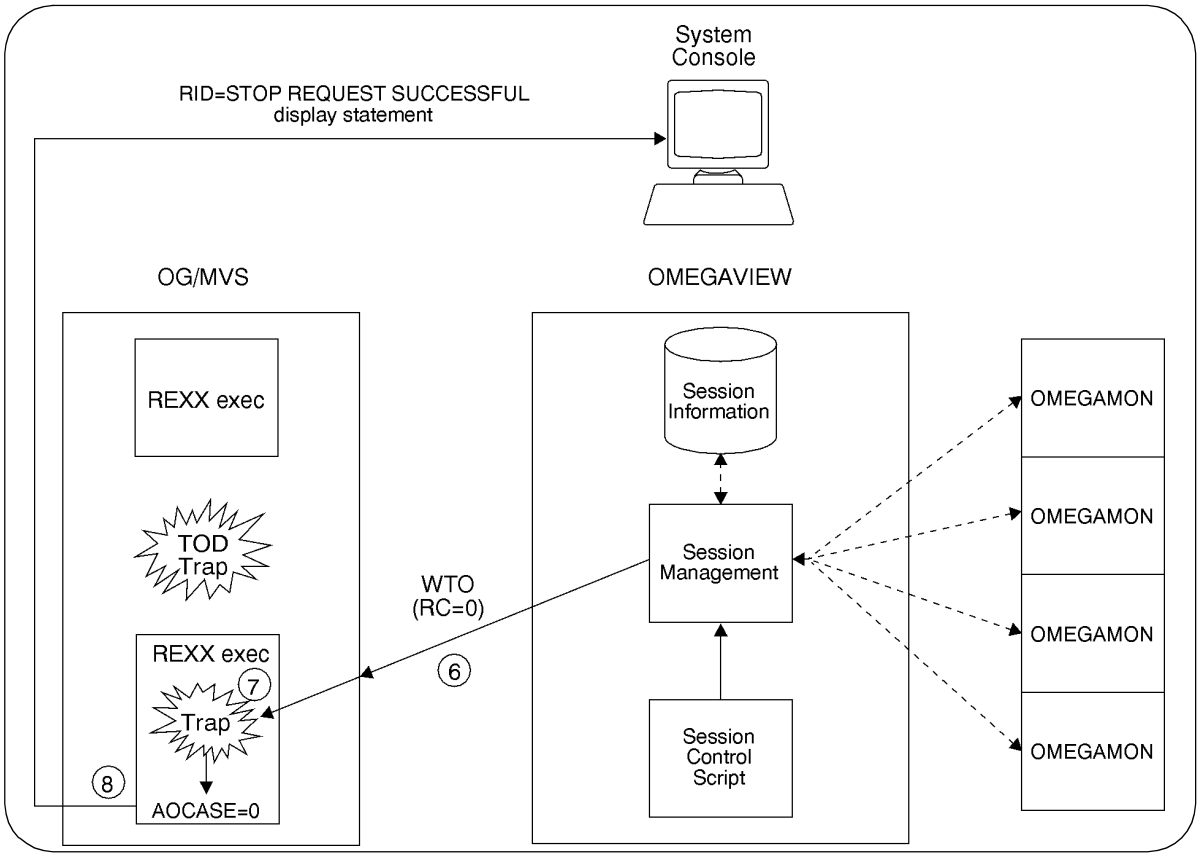
Stage	Description
1	An operator adds a TOD trap through a REXX exec invoked as part of Tivoli OMEGACENTER Gateway startup.
2	At the specified time, the trap fires and invokes a REXX exec in the *rhilev.*RKOGCMDS library.
3	The exec issues a z/OS modify command to OMEGAVIEW and waits for OMEGAVIEW's response before continuing. The modify command contains information on the type of change requested, a request identifier (RID), and the data necessary to make the change.
4	OMEGAVIEW passes the information in the modify command to a session control script in *rhilev.midlev.*RKANCMD.
5	Based on the information it receives, the script in the RKANCMD data set takes the requested action and saves any changes to session data.

FIGURE 1. Process Overview (Stages 1, 2, 3, 4, and 5)



Stage	Description
6	After the change process completes, successfully or otherwise, OMEGAVIEW issues a WTO to Tivoli OMEGACENTER Gateway. The WTO text includes the request identifier and a return code value indicating success or failure.
7	The waiting exec that originally issued the z/OS modify command traps the incoming WTO from OMEGAVIEW, assigns the return code value to global variable AOCASE, and resumes the program.
8	Based on the current value of AOCASE, the exec selects a display statement to send to the console, such as: **RID=STOP REQUEST SUCCESSFUL**

FIGURE 2. Process Overview (Stages 6, 7, and 8)



Setting up the Sample Members

Sample members for the Automated Session Control interface arrive in the OMEGAVIEW target library *thilev*.TKANSAM. Before using Automated Session Control, you must copy the members into the runtime libraries where they will be used.

There are two types of Automated Session Control sample members:

- REXX execs used for automation
- session control scripts (one for each supported OMEGAMON type) that carry out the change request

Tivoli OMEGACENTER Gateway-resident vs. OMEGAVIEW-resident members

Because Automated Session Control uses Tivoli OMEGACENTER Gateway automation to make changes in OMEGAVIEW, you must copy the sample REXX execs in *thilev*.TKANSAM to the Tivoli OMEGACENTER Gateway library *rhilev*.RKOGCMDS.

The sample session control scripts must be copied to the OMEGAVIEW library specified as the RKANCMD data set in the OMEGAVIEW startup procedure.

Requirement

Be sure that the KMVSYSIN member found in the RKANPAR DD data set includes the command WTO(Y). If it is set to WTO(N), OMEGAVIEW will not send WTO messages. The default setting is WTO(Y).

Procedure

Copy the following members from *thilev*.TKANSAM into the designated data set.

Note: *The default name for the RKANCMD DD data set is rhilev.midlev.RKANCMD. It may have been altered at your site, so check the OMEGAVIEW startup procedure to be sure you are specifying the correct data set.*

Member names	Destination Data Set
KMVAFT, KMVAF1 to KMVAF32 (series)	*rhilev*.RKOGCMDS
KMVAFC1 to KMVAFC13 (series)	*rhilev.midlev*.RKANCMD

Using the Modify Command

Introduction

This section describes how the z/OS modify command is issued to OMEGAVIEW as part of an Automated Session Control sequence.

Format

The format of the modify command depends on the type of Automated Session Control request, but it looks something like this:

f cccccccc,NTD KMVAF 'RKANCMD(KMVAFC10) RID(REQ1) SESSION(OMIIMVS)'

where:

f	The z/OS modify command tells...
cccccccc	the started task name specified using the Configuration Tool
NTD	to dispatch a non-terminal dialog...
KMVAF	called KMVAF, which is passed a string that says...
'RKANCMD	(begin string) in the RKANCMD DD data set, pass the following values to...
(KMVAFC10)	session control script KMVAFC10...
RID	which will carry out a request identified...
(REQ1)	as REQ1...
SESSION	on the session...
(OMIIMVS)'	named OMIIMVS (end string)

The keywords passed in the string (RKANCMD, RID, SESSION) carry information OMEGAVIEW needs in order to make the requested change. See "Using the Keywords" on page 183 for details on all the keywords used with the Automated Session Control interface.

Limitation

Although you can use any of the Automated Session Control keywords in the z/OS modify command, the total line length permitted on a modify command limits the number of keywords you can use at one time. For this reason, you should specify keyword values in the appropriate session control script whenever your data is stable enough to make this approach practical.

Issuing the command

You can issue a modify command for Automated Session Control from a REXX exec invoked by an Tivoli OMEGACENTER Gateway trap. Possible triggering conditions include:

- time of day
- time interval (for example, every hour or every 8 hours)
- occurrence of z/OS console messages

Note: *The command can also be issued from the console by operators with authority to issue the z/OS operator modify command. This may prove useful in urgent situations. For example, you can use the Automated Session Control interface to stop Session Manager from the console.*

Sample automation execs

Sample execs that add traps or issue the z/OS modify command reside in the Tivoli OMEGACENTER Gateway runtime library *rhilev*.RKOGCMDS. Since the data necessary to carry out a request varies from OMEGAMON to OMEGAMON, a sample exec is provided for each type of OMEGAMON supported by the Automated Session Control interface. See "Sample Automation REXX Execs and RKANCMD Session Control Scripts" on page 197 for more information.

Using the WAIT command

The sample automation execs KMVAF17–32 issue the modify request by using Tivoli OMEGACENTER Gateway's WAIT command (see example below). The WAIT command takes an action (in this case, issuing the modify command) and then waits for a specific event before resuming the program. The anticipated event here is the WTO sent by OMEGAVIEW that returns both the request identifier and a status code for the request. If the event does not occur within a specified time, the response times out and the program resumes anyway.

See the *Tivoli OMEGACENTER Gateway Command Reference Manual* for more information on the WAIT command.

Example

The example below shows how you might issue a modify command from a REXX exec to update OMEGAMON II for CICS session information. This example comes from sample exec KMVAF1 in the *rhilev*.RKOGCMDS data set.

```
/*  REXX */
rid = 'R14'

"WAIT WTO('KMVAF100 RID("rid") RC(0)*',",
      "'KMVAF100 RID("rid") RC(1)*')",
 "SEC(120) AFTER('OPER ''F tdmvs04,NTD KMVAF",
      "''''RKANCMD(kmvafc7)",
         "RID("rid")",
         "REQUEST(sched)",
         "LPROFILE(tdpg20a)",
         "SESSION(qboc)'''' '' ')"
```

Using the Keywords

Introduction

The keywords specified in your modify command to OMEGAVIEW carry data used to make the change you request.

Description

You can specify the following keywords when issuing the modify command to OMEGAVIEW. Some keywords apply only to specific OMEGAMON products or request types. In the table below, each keyword applies only to the OMEGAMON products listed. If you use a keyword inappropriate for the targeted OMEGAMON product, OMEGAVIEW ignores both the keyword and its value.

Keyword	Description	Applicable OMEGAMON Products	Rules
RKANCMD	Name of the targeted session control script	Required for all supported OMEGAMON products	■ Specified member must already exist
RID	Request identifier	Required for all supported OMEGAMON products	■ Cannot be blank
REQUEST	Type of Automated Session Control request (UPDATE, SCHED, etc.)	Required for all supported OMEGAMON products	■ Must be UPDATE, STOP, START, SCHED, STOPSM, or STARTSM ■ Can be entered in mixed case
SESSION	The name of an existing OMEGAVIEW collector session	Required for all supported OMEGAMON products	■ 1 to 8 characters ■ Converted to uppercase ■ No embedded blanks allowed ■ Cannot be set to blank ■ Session must already be defined in Configuration Manager
UPSUFFIX	OMEGAMON user profile suffix	Optional for: ■ OMEGAMON II for CICS ■ OMEGAMON II for DB2 ■ OMEGAMON II for IMS	■ Up to 2 characters ■ Mixed case is preserved ■ Can be set to blank
UDSUFFIX	OMEGAMON user data suffix	Optional for: ■ OMEGAMON II for CICS ■ OMEGAMON II for DB2 ■ OMEGAMON II for IMS ■ OMEGAMON II for MVS	■ Up to 2 characters ■ Mixed case is preserved ■ Can be set to blank

Keyword	Description	Applicable OMEGAMON Products	Rules
SYSTEM	System ID information	Optional for all supported OMEGAMON products	■ Up to 20 characters ■ Mixed case is preserved ■ Can be set to blank
DESC	OMEGAVIEW collector session description	Optional for all supported OMEGAMON products	■ Up to 30 characters ■ Mixed case is preserved ■ Can be set to blank ■ Can use &sysdate and/or &systime to substitute current date and/or time of update
LPROFILE	The name of an existing OMEGAVIEW logon profile	Optional for all supported OMEGAMON products	■ Up to 8 characters ■ Converted to uppercase ■ Cannot be set to blank ■ OMEGAVIEW. logon profile name must already exist
SPROFILE	The name of an existing OMEGAMON II for SMS startup profile name	Optional for OMEGAMON II for SMS	■ Limited to 8 characters
DB2NAME	DB2 subsystem name	Optional for OMEGAMON II for DB2	■ Limited to 8 characters ■ Cannot be set to blank
CICSNAME	CICS region name	Optional for OMEGAMON II for CICS	■ Limited to 8 characters ■ Cannot be set to blank
VAPPL2	OMEGAMON II VTAM applid name	Optional for: ■ OMEGAMON II for CICS ■ OMEGAMON II for DB2 ■ OMEGAMON II for IMS ■ OMEGAMON II for MVS ■ OMEGAMON II for SMS ■ OMEGAMON II for VTAM (or OMEGAMON II for Mainframe Networks)	■ Limited to 8 characters ■ Converted to uppercase ■ VTAM applid naming conventions ■ Cannot be set to blank

Placement

Data associated with a keyword should be put between left and right parentheses. In the example below, $DEFAULT is the data for the keyword LPROFILE.

```
LPROFILE($DEFAULT)
```

Uppercase vs. lowercase

You can enter all keywords and all keyword data that appears between parentheses in upper, lower, or mixed case. However, data for the following keywords is forced to uppercase regardless of how it is specified:

SESSION	session name
LPROFILE	logon profile name
DB2NAME	DB2 subsystem name
CICSNAME	CICS region name
VAPPL2	OMEGAMON II VTAM logon applid

By default, the OMEGAVIEW software converts all input from the z/OS operator modify commands to uppercase prior to dispatching the Automated Session Control interface. To disable the uppercase conversion, create a member in the RKANCMD DD data set named KLVOPST containing the following two lines of data:

```
PROFILE NOFOLD
TIME
```

Embedded blanks

An embedded blank entered as part of the keyword data is interpreted as occupied space. For example:

```
DESC(A New Description)
```

You can specify data with embedded blanks for the keywords SYSTEM and DESC. No other keywords allow embedded blanks.

&SYSDATE and &SYSTIME variables

You can use two reserved variable names in DESC keyword data that substitute the current system date and time. The reserved variable names are:.

&sysdate	current system date
&systime	current system time

For example, you could record when a session's information was last updated:

```
NTD KMVAFNTD 'REQUEST(UPDATE) -
        SESSION(omiimvs) -
        LPROFILE($default) -
        DESC(Updated &sysdate at &systime)'
```

Note: *Use the &sysdate and &systime reserved variables only in session control scripts stored in the RKANCMD data set. Do not pass them in the z/OS operator modify command issued by execs in the RKOGCMDS data set.*

Clearing session field data

You can use blanks to clear unwanted data from certain session information fields. The fields you can set to blank are:

- UPSUFFIX
- UDSUFFIX
- SYSTEM
- DESC

To clear information from a session field, code the keyword and include at least one blank between the left and right parentheses as shown below:

```
NTD KMVAFNTD 'REQUEST(UPDATE) -
        SESSION(omiimvs) -
        LPROFILE($default) -
        DESC( )'
```

Preventing unwanted field updates

You can specify that the data in a particular field should be protected and not updated even though the profile for the session is updated. To prevent unwanted updates, code the keyword but provide no intervening data between the left and right parentheses.

The example below is coded to protect the session description from updates.

```
NTD KMVAFNTD 'REQUEST(UPDATE) -
        SESSION(omiimvs) -
        LPROFILE($default) -
        DESC()'
```

Data validation

Before updating any session information, OMEGAVIEW validates keyword data using the same rules that apply to changes made through Configuration Manager. This prevents the Automated Session Control interface from introducing invalid session data.

Scheduling Logon Profile Changes

Description

You can use the Automated Session Control interface to schedule logon profile changes. A scheduled logon profile change means that you want OMEGAVIEW to

1. stop monitoring a specified collector session
2. update session information (with the values passed in your modify command)
3. resume monitoring the specified collector session

Request type

To indicate that you want to schedule a logon profile change, specify REQUEST(SCHED) in your modify command.

Example

The following example comes from sample exec KMVAF23, which requests scheduled logon profile changes for OMEGAMON II for MVS sessions. Here, the command is to stop an OMEGAVIEW collector session named QBM2, change the logon profile to TDPG20A, and restart the session. OMEGAVIEW will pass the values in the parameter string to session control script KMVAFC10 in its RKANCMD DD data set. KMVAFC10 is the script used for OMEGAMON II for MVS sessions. "Using the Modify Command" on page 180 details how you send the request to OMEGAVIEW.

```
rid = 'R23'


"WAIT WTO('KMVAF100 RID("rid") RC(0)*',",
     "'KMVAF100 RID("rid") RC(1)*')",
 "SEC(120) AFTER('OPER ''F tdmvs04,NTD KMVAF",
     "''""RKANCMD(kmvafc10)",
        "RID("rid")",
        "REQUEST(sched)",
        "LPROFILE(tdpg20a)",
        "SESSION(qbm2)"" '' ')"
```

See "Sample Automation REXX Execs and RKANCMD Session Control Scripts" on page 197 for a complete list of sample execs that request a scheduled logon profile change.

Valid keywords

The following keywords are required when you request a scheduled logon profile change:

- RKANCMD
- RID
- REQUEST
- SESSION

The following keywords are optional:

- UPSUFFIX
- UDSUFFIX
- SYSTEM
- DESC
- LPROFILE
- SPROFILE
- DB2NAME
- CICSNAME
- VAPPL2

Note: *If you use the optional keywords to update session information, be aware that OMEGAVIEW updates only the information carried as keyword values in your modify request. All other data remains unchanged.*

See page 183 for details on using the keywords.

Updating Session Information

Description

You can use the Automated Session Control keywords to update information about a particular collector session. Updating session information automatically is roughly equivalent to using the Configuration Manager's action code C (change).

Request type

To indicate that you want to update session information, specify REQUEST(UPDATE) in your modify command.

Example

The following example requests an update for an OMEGAMON II for DB2 sessions. Here, the command is to update OMEGAVIEW collector session QBD2 with logon profile TDPG20A and change the DB2 subsystem to DB2ABC. OMEGAVIEW will pass the values in the parameter string to session control script KMVAFC8 in the RKANCMD DD data set. KMVAFC8 is the script used for OMEGAMON II for DB2 sessions. "Using the Modify Command" on page 180 details how to send the request to OMEGAVIEW.

```
rid = 'R8'


"WAIT WTO('KMVAF100 RID("rid") RC(0)*',",
     "'KMVAF100 RID("rid") RC(1)*')",
 "SEC(120) AFTER('OPER ''F tdmvs04,NTD KMVAF",
     "''""RKANCMD(kmvafc8)",
        "RID("rid")",
        "REQUEST(update)",
        "LPROFILE(tdpg20a)",
        "DB2NAME(db2abc)",
        "SESSION(qbd2)"" '' ')"
```

See "Sample Automation REXX Execs and RKANCMD Session Control Scripts" on page 197 for a complete list of sample execs that update session information.

Valid keywords

The following keywords are required when you update session information:

- RKANCMD
- RID
- REQUEST
- SESSION

The following keywords are optional:

- UPSUFFIX
- UDSUFFIX
- SYSTEM
- DESC
- LPROFILE
- SPROFILE
- DB2NAME
- CICSNAME
- VAPPL2

Note: *OMEGAVIEW updates only the information carried as keyword values in your modify request. All other data remains unchanged.*

See page 183 for details on using the keywords.

Stopping and Starting Collector Sessions

Description

You can use the Automated Session Control interface to stop or start specific collector sessions automatically. The effect is similar to using the Configuration Manager's action codes P (stop) or R (start).

Request type

To indicate that you want to stop a collector session, specify REQUEST(STOP) in your modify command. To start a session, specify REQUEST(START).

Example

The following example comes from sample exec KMVAF27. It stops an OMEGAMON II for CICS session named QBOC. OMEGAVIEW will pass the values in the parameter string to session control script KMVAFC7 in the RKANCMD DD data set. KMVAFC1 is the script used with OMEGAMON II for CICS sessions. "Using the Modify Command" on page 180 details how to send the request to OMEGAVIEW.

```
rid = 'R27'


"WAIT WTO('KMVAF100 RID("rid") RC(0)*',",
     "'KMVAF100 RID("rid") RC(1)*')",
 "SEC(120) AFTER('OPER ''F tdmvs04,NTD KMVAF",
     "''""RKANCMD(kmvafc7)",
       "RID("rid")",
       "REQUEST(stop)",
       "SESSION(qboc)"" '' ')"
```

See "Sample Automation REXX Execs and RKANCMD Session Control Scripts" on page 197 for information on which sample execs stop or start a specific collector session.

Valid keywords

The following keywords are required when you stop or start a collector session:

- RKANCMD
- RID
- REQUEST
- SESSION

The other Automated Session Control keywords do not apply to START/STOP requests. If used, OMEGAVIEW ignores both the keyword and its value. See page 183 for details on using the keywords.

Stopping and Starting the Session Manager

Description

You can use the Automated Session Control interface to stop or start the Session Manager automatically.

- When you stop the Session Manager, this halts monitoring of all OMEGAVIEW collector sessions. The effect is similar to selecting **Shutdown Session Manager** from Configuration Manager's Options pull-down menu.
- When you start the Session Manager, this resumes monitoring of all collector sessions that have their Automatic Start option set to Yes. The effect is similar to selecting **Start Session Manager** from the Configuration Manager's Options pull-down menu.

Request type

To indicate that you want to stop the Session Manager, specify REQUEST(STOPSM) in your modify command. To start the Session Manager, specify REQUEST(STARTSM).

Example

The following example comes from sample exec KMVAF29. It directs OMEGAVIEW TDMVS04 to stop Session Manager. "Using the Modify Command" on page 180 details how to send the request to OMEGAVIEW.

```
rid = 'R29'

"WAIT WTO('KMVAF100 RID("rid") RC(0)*',",
"'KMVAF100 RID("rid") RC(1)*')",
"SEC(120) AFTER('OPER ''F tdmvs04,NTD KMVAF",
""""RKANCMD(kmvafc1)",
        "RID("rid")",
        "REQUEST(stopsm)"" '' ')"
```

See "Sample Automation REXX Execs and RKANCMD Session Control Scripts" on page 197 for information on the sample execs that stop or start the Session Manager.

Valid keywords

The following keywords are required when stopping or starting the Session Manager:

- RKANCMD
- RID
- REQUEST

The other Automated Session Control keywords do not apply to STARTSM/STOPSM requests. If used, OMEGAVIEW ignores both the keyword and its value. See page 183 for details on using the keywords.

Debugging Your Execs

Introduction

The Automated Session Control interface usually issues one WTO message in response to each modify request. If one of your Automated Session Control execs needs debugging, you can ask OMEGAVIEW to issue additional diagnostic WTO messages that will provide you with helpful information. This section describes how to generate these additional messages and what they mean.

Message indicating success

When the Automated Session Control interface successfully processes a request, it issues the following WTO message:

```
KMVAF100 RID(nnnn) RC(0)
```

Message indicating failure

When a request fails for any reason, OMEGAVIEW issues a WTO message providing diagnostic information in the following format:

```
KMVAF100 RID(nnnn) RC(1) DIALOG(nnnn) FID(nn) FUNCTION(nnnn)
STATUS(nnnn) MSG(nnnn)
```

You can interpret the message text as follows:

DIALOG()	The name of the OMEGAVIEW dialog that encountered the error.
FID()	An internal diagnostic number identifying the point of failure. See page 195 for details.
FUNCTION()	The name of the internal service that failed.
STATUS()	The internal status condition of the function that failed.
MSG()	A brief description of why the request failed.

Generating debugging messages

You can use the special keyword DEBUG(YES) as part of the z/OS modify command to generate diagnostic WTO messages as OMEGAVIEW processes your request. The following shows a modify command using the DEBUG keyword:

```
f ccccccc,KMVAF 'RKANCMD(TEST) RID(R1) SESSION(OMIIMVS) DEBUG(YES)'
```

where ***ccccccc*** is the started task name specified for OMEGAVIEW using the Configuration Tool.

WTO messages

The following table lists WTO messages issued by the Automated Session Control interface.

Table 9. List of WTO Messages

Message	Description
KMVAF100 RID(xxxx) RC(n)	Indicates success/failure of Automated Session Control request, where RC=0 indicates success and RC=1 indicates failure.
KMVAF101 (followed by the z/OS modify command parameters)	Debug message from the KMVAF dialog. Confirms the values actually issued by the modify command. If unexpected values display, check how values are assigned to variables in the exec before the modify command is issued.
KMVAF102 (followed by RKANCMD parameters)	Debug message from the KMVAFNTD dialog. Displays the literal keyword values currently saved in the RKANCMD session control script. Shows which keywords have literal values and which use variables.
KMVAF103	Debug message from the KMVAFNTD dialog. Overlays the values passed in the modify command onto the values contained in the RKANCMD session control script. Indicates which variables are left unassigned by a pair of parentheses ().
KMVAF104	Debug message from the Automated Session Control server, KMVAFSRV. Confirms that work on the request has begun. The WTO message that follows KMVAF104 will be KMVAF100 with RC(0) or RC(1) indicating request success or failure.

FID diagnostic codes

The table below explains the various FID (diagnostic numbers) that you may encounter.

Table 10. FID Diagnostic Codes

Number	Description
1	Unable to get handle to IPC queue
2	Unable to add request to IPC queue
3	Unable to create IPC queue
4	Unable to read IPC queue
5	Scheduling request successful
6	Request(&request) is not supported. Valid requests include STOP, START, UPDATE, SCHED, STARTSM, and STOPSM.
7	Keyword(&keyword) is not supported
8	Stop Session Manager request successful
9	Session Manager already stopped
10	Start Session Manager request successful
11	Unable to start Session Manager
12	Request(&request) is not supported
13	Stop session(&session) request successful
14	Start session(&session) request successful
15	Session(&session) request type is not supported
16	Session(&session) unable to open session table
17	Session(&session) is not found
18	Session(&session) unexpected return code
19	Session(&session) Invalid Session Manager queue handle
20	Session(&session) is already started
21	Session(&session) is already stopped
22	Session(&session) unable to stop session
23	Session(&session) unable to start session
24	KMVAFCMU Request(&request) is not supported
25	Session(&session) unable to open session table
26	Session(&session) not found
27	Session(&session) unexpected return code
28	Session(&session) &msg error reading session information
29	Session(&session) unable to open logon profile table
30	Session(&session) unable to open DASD filter table

Table 10. FID Diagnostic Codes

Number	Description
31	Session(&session) &msg error validating session information
32	Session(&session) &msg error updating session information
33	Session(&session) unable to save session table
34	Session(&session) unable to close session table
35	Session(&session) unable to close logon profile table
36	Session(&session) unable to close DASD filter table
37	Session(&session) update request successful

Sample Automation REXX Execs and RKANCMD Session Control Scripts

Description

The sample execs in the Tivoli OMEGACENTER Gateway *rhilev*.RKOGCMDS library help you define traps for your Automated Session Control. scenarios and issue modify commands correctly for the task you want to automate.

The sample session control scripts in the RKANCMD DD data set each contain an Automated Session Control command for a particular OMEGAMON product. There is one script for each supported OMEGAMON product. These scripts act as templates for the values passed to OMEGAVIEW in the modify command issued from Tivoli OMEGACENTER Gateway.

The session control scripts must reside in the data set pointed to by the RKANCMD DD statement in the OMEGAVIEW startup procedure.

Example of an Automated Session Control command

This example Automated Session Control command comes from KMVAFC7, which controls the OMEGAMON II for CICS session.

```
NTD KMVAFNTD 'REQUEST(&request) -
        SESSION(&session) -
        UDSUFFIX(&udsuffix) -
        SYSTEM(&system) -
        DESC(&desc) -
        LPROFILE(&lprofile) -
        CICSNAME(&cicsname) -
        VAPPL2(&vappl2)'
```

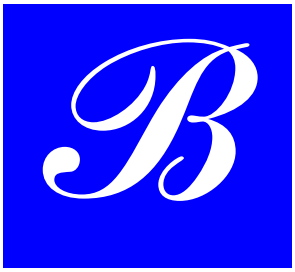
Each script header includes useful information about

- which OMEGAMON session type it controls
- how to target the script in your modify command
- applicable keywords and what they mean

Sample scripts

The following tables lists the sample scripts in the RKANCMD DD data set.

Name	Purpose
KMVAFC7	Control of OMEGAMON II for CICS Session
KMVAFC8	Control of OMEGAMON II for DB2 Session
KMVAFC9	Control of OMEGAMON II for IMS Session
KMVAFC10	Control of OMEGAMON II for MVS Session
KMVAFC11	Control of OMEGAMON II for SMS Session
KMVAFC12	Control of OMEGAMON II for VTAM (or OMEGAMON II for Mainframe Networks) Session



Configuration Manager Session Status Codes

The status codes for sessions appear under the status column of the Configuration Manager panel. The following are valid status names and definitions:

Active	The session is up and running. The session name is displayed in white.
Active-L	The session is up and running, and the OMEGAMON probe task is locked by a user who is switched into the probe session. While locked, the OMEGAMON data collection probe task is suspended.
ExpPswd	The password has expired. The session name is displayed in red reverse video.
InvPswd	Invalid Password. The password specified in the logon profile has failed the validity check. The session name is displayed in red reverse video.
InvUser	Invalid User. The user ID specified in the logon profile has failed the validity check.
NoAuto	The session is not active because the Automatic Startup option is set to No.
NoLogon	The OMEGAMON VTAM application is not accepting logons. This is due to one of the following: ■ The application is not running. ■ An invalid application ID was specified. ■ The maximum allowable number of users are already logged on. ■ An invalid logmode table entry has been specified.
***NOSMGR**	The OMEGAVIEW Session Manager task is not running. The system administrator can start it by using the Start Session Manager from the Options pull-down menu on the Configuration Manager action bar.
OMfail	OMEGAMON would not start. Check startup parameters. The SYSLOG for OMEGAVIEW indicates the source of the problem.

RC(*rc*,*rs*) The session logon terminated during startup. The ***rc*** represents the return code, and ***rs*** represents the reason code. This information helps determine the problem.

Check the status of the session that returns the session start error. This may include accessing the session directly. If the session does not display a message that helps you resolve the problem, the underlying OMEGAMON should.

If the problem persists, have a copy of the SYSLOG for the OMEGAVIEW address space available for IBM Software Support to use in resolving the problem.

Request T Request timed out. This may be due to one of the following:

- The system may be heavily loaded.
- There may be a low dispatch priority for OMEGAVIEW.
- The auto reconnect interval could be too small.

If you are unable to resolve this problem contact IBM Software Support.

SMfail This is an internal Session Manager logical error. Have a copy of the SYSLOG for the OMEGAVIEW address space available for IBM Software Support to use in resolving this problem.

VALERR*xxxx* Validate function error. This type of message originates from security access problems encountered when the dialog language validate function is issued. The Configuration Manager session status will display as RC(8,rs), where ***rs*** corresponds to one of the following reason code values:

4	invalid userid or no authorization
8	invalid password
12	expired password
16	invalid new password
20	user not defined to the group
24	user access revoked
28	group access revoked
32	terminal not authorized
36	application not authorized
48	user not authorized to use this terminal
52	user not authorized to use this application

VSS*nnn* OMEGAVIEW cannot log onto the session. The number ***nnn*** is the return code. These return codes are described in the VSS Return Codes entry in the Help index.

Determining Virtual Terminal Status

If you experience problems with the OMEGAVIEW software, IBM Software Support may ask you to use the diagnostic tool VSHOW. VSHOW provides diagnostic information about your OMEGAVIEW virtual terminal allocations, including the names, status, and associated logmodes of allocated terminals.

Issue VSHOW from your console as a modify command to your OMEGAVIEW started proc. For example:

```
F cccccccc,VSHOW / ACTIVE (ID=termID)
                  (SLU=slu)
                  (PLU=plu)
```

where ***cccccccc*** is the started task name you specified for OMEGAVIEW using ICAT.

ID, SLU, and PLU are optional arguments to limit your search:

ID	OMEGAVIEW terminal ID
SLU	virtual terminal name
PLU	OMEGAMON applid

The typical output of the VSHOW command is:

```
1. F cansmv,VSHOW / ACTIVE
2. +KLUOP001 VSHOW ARGUMENT LIST: USERID(/) ACTIVE
3. +KLUOP009 AALVM049(MVAPPL,AALVM049,010000AA) ACTIVE
4. +KLUOP002    MVV1(MV020,OMVTAMA,010000B0,$DEFAULT,SNX32704) ACTIVE
5. +KLUOP002    MVV2(MV020,OCVTAMB,010000B2,$DEFAULT,SNX32704) ACTIVE
6. +KLUOP002    MVV3(MV020,DBVTAMB,010000B4,$DEFAULT,SNX32704) ACTIVE
7. +KLUOP002    MVV4(MV020,OIVTAMA,010000B6,$DEFAULT,SNX32704) ACTIVE
8. +KLUOP008 1 OF 1 USER(S), 4 OF 4 SESSION(S) SELECTED
```

Line 1 displays the issued VSHOW command. Line 3 displays the terminal ID of the OMEGAVIEW application program, the OMEGAVIEW APPLID, the network address, and the status of the terminal. Line 4 displays the identifier of the session being assigned to the virtual terminal. Within the parentheses, the following are displayed:

- virtual terminal name
- OMEGAMON applid
- network address of the virtual terminal
- name of the virtual terminal pool
- associated LOGMODE of the virtual terminal

The status of the session follows the parentheses.

Problem Determination

Introduction

You can use either of these options for OMEGAVIEW problem determination:

- Debug Mode
- IBM Generalized Trace Facility (for VTAM V3.4 and above).

This appendix explains how to use both options and gives troubleshooting information for potential conflicts with VSAM-optimizing products.

Debug Mode

OMEGAVIEW has a debug mode option. The system administrator can access debug mode by selecting **Options** from the Configuration Manager action bar and then selecting **Enable DEBUG mode** from the Options pull-down menu.

Debug mode has two uses:

1. Diagnosing problems. When the system experiences problems connecting to sessions, changing to debug mode provides diagnostic messages for investigating problems.

   Note: *Do not use Debug Mode to navigate within or to manipulate the underlying session. Use Debug Mode only to verify an established session and the color of the current status lights.*

2. Switching into status data collector sessions.

   When debug mode is selected, an indicator message

   (* Debug Mode Active ***)**

   appears on the top line of the Configuration Manager panel and the **S** action is added to the list of action choices.

   If you choose the **S** (Switch to Session) action, you will be able to access the underlying IBM Tivoli Candle performance product. While you are switched into this session, data collection is suspended until you use the PA2 (by default) key to return to the Configuration Manager.

   To disable debug mode, select **Options** from the Configuration Manager action bar and select **Disable DEBUG Mode** from the Options pull-down menu.

   Warning: Debug mode increases message traffic to the system spool files and should only be used when absolutely necessary and for as little time as possible.

Generalized Trace Facility

Introduction

If you cannot determine the cause of session failure through use of the Configuration Manager's debug feature, you can use the IBM Generalized Trace Facility (GTF).

Before you begin

Prepare for running a trace by performing the following:

1. Locate the GTF proc in SYS1.PROCLIB. It will resemble the following:

```
//GTF PROC MEMBER=GTFMEMB
/*
//IEFPROC EXEC PGM=AHLGTF,PARM='MODE=EXT,TIME=YES',
//         REGION=3072K,DPRTY=(15,5)'
//IEFRDER DD DSN=XXXX.GTFTRACE,DISP=SHR
//SYSLIB  DD DSN=SYS1.PARMLIB(&MEMBER),DISP=SHR
/*
```

2. If the IEFRDER data set does not already exist, allocate it as
   - DSORG=PS
   - RECFM=VB
   - LRECL=4092
   - a minimum of one to two CYLinders.
3. Set up the SYSLIB member as follows:

```
TRACE=USRP,JOBNAMEP,RNIO
USR=FEF
JOBNAME=OMVIEW
END
```

You are now ready to run GTF.

Procedure

Use the following procedure to perform a trace.

Step	Action	Result
1	Issue the following console command to start GTF **S GTF.xxxxxxxx** where *xxxxxxxx* is the name, in 1–8 alphanumeric characters, of your trace.	The following WTOR message appears: ***msgnum AHL125A RESPECIFY TRACE OPTIONS OR REPLY U**
2	Issue the following: **R msgnum,TRACE=USRP**	The following WTOR message appears: ***msgnum AHL101A SPECIFY TRACE EVENT KEYWORDS -- USR=**
3	Issue the following: **R msgnum,USR=(FEF)**	The following WTOR message appears: ***msgnum AHL102A CONTINUE TRACE DEFINITION OR REPLY END**
4	Issue the following: **R msgnum,END**	The following WTOR message appears: ***msgnum AHL125A RESPECIFY TRACE OPTIONS OR REPLY U**
5	Issue the following: **R msgnum,U**	The following WTOR message eventually appears: ***msgnum AHL031I GTF INITIALIZATION COMPLETE**
6	Determine the APPLID for the failing session. Usually, this will be the SDM APPLID, located in the OMEGAVIEW major node definition. Then issue the following command to start your APPLID trace: **F NET,TRACE,TYPE=BUF,ID=applid**	The following message appears: **IST513I TRACE INITIATED FOR NODE applid**
7	Recreate the problem symptoms by starting the failing session in OMEGAVIEW.	
8	Stop the APPLID trace by issuing the following command: **F NET,NOTRACE,TYPE=BUF,ID=applid**	The following message appears: **IST5121 TRACE TERMINATED FOR NODE applid**
9	Issue the following console command to stop GTF: **P GTF.xxxxxxxx** where ***xxxxxxxx*** is the name, in 1–8 alphanumeric characters, of your trace.	The following message appears: **AHL006I GTF ACKNOWLEDGES STOP COMMAND**

Step	Action	Result
10	The GTF trace data set is a standard sequential data set, so you can use IEBGENER to copy the GTF trace data set onto tape for delivery to the IBM Support Center.	

Solving Conflicts with VSAM-Optimizing Products

If you are running a VSAM-optimizing product, it might conflict with the OMEGAVIEW software. Check your RKLVLOG for the following error messages:

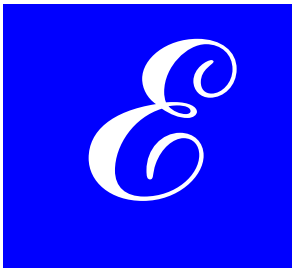
KLVVS021 VSAM Logic Error: RPLFDBND 78080068.....

RPFLOACD 40860000

KLVIN406 Startup Error: Module KLVINNAM R15(14)

If you find these error messages, turn off the VSAM-optimizing product for the OMEGAVIEW VSAM data sets listed in the table below. If you need instructions, refer to the appropriate vendor documentation. The VSAM data sets are specified in their corresponding initialization members in the OMEGAVIEW runtime RKANPAR data set:

RKANPAR Member Name	**Runtime VSAM Data Set Name**
KMVINNAM	RKMVNAM
KMVINTB	RKMVTDB
KMVINVLG	RKMVVLOG



Removing Contention Error Messages

If your site has a large number of users, it is possible you have received KLVVS026 contention error messages. You may also see these messages when OMEGAVIEW is configured with dozens of collector sessions in the Configuration Manager. These messages, generated by VSAM, are informational, but there are steps you can take to keep them from occurring.

If you receive any KLVVS026, string, or buffer contention messages, look at the LSRPOOL and LSRSTRNO sysin keywords described below.

LSRPOOL

LSRPOOL(m,n)

LSRPOOL corresponds to the BUFFERS parameter of the BLDVRP macro instruction, and specifies the size and number of buffers to be made available for VSAM processing done by OMEGAVIEW.

For best storage use, code an LSRPOOL keyword for each different VSAM control interval size: one for VIEWLOG, one for NAM, and one for the table database.

Specify the size (m) and number (n) of each buffer pool in the VSAM resource pool. You must enter LSRPOOLs individually; you cannot string them.

Valid buffer sizes are 2048, 4096, and 32768.

The minimum number of buffers is 3; there is no maximum, other than that enforced by the amount of available virtual storage in the OMEGAVIEW address space. When the buffer size is 2048 or 4096, you probably will need to increase the number of buffers. If the buffer size is 32768, use the default of 3 buffers.

If you receive many KLVVS026 messages identifying buffer contention, increase the number of buffers allocated to the cluster identified in the associated KLVVS021 messages.

LSRSTRNO

LSRSTRNO(nn|32)

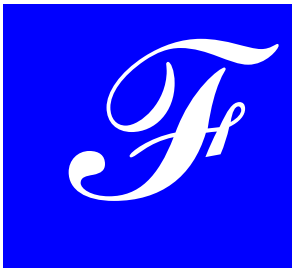
In OMEGAVIEW, LSRSTRNO in *rhilev.midlev*.RKANPAR(KMVSYSIN) is not specified and defaults to 32. To increase the value, add this statement to the member:

LSRSTRNO(n)

LSRSTRNO corresponds to the STRNO parameter of the BLDVRP macro instruction, and is the maximum number of concurrent VSAM requests that OMEGAVIEW can process against all the VSAM data sets allocated to it.

If you receive many KLVVS026 messages identifying string contention, or if the STRMAX value in the KLVVS002 messages issued during OMEGAVIEW shutdown is consistently the same as the value in *rhilev.midlev*.RKANPAR(KMVSYSIN), increase the LSRSTRNO value to 255.

The minimum value is 1; the maximum is 255.



Suppressing Storage Messages

The statement **EVERY 12:00:00 STORAGE D** in the runtime startup member KMVSTKLV causes the messages KLVSD001 through KLVSD039 to be recorded in the RKLVLOG every 12 hours. The messages report the storage usage in the OMEGAVIEW address space.

You may change the time interval to a different value. The maximum value is 24:00:00 for 24 hours. Also, you may remove or comment out the statement by placing an asterisk (*) in column one. This will stop the KLVSD0xx messages completely.

Another statement, **EVERY 30:00 FLUSH** in KMVSTKLV, forces all deferred VSAM writes to DASD and pending messages to the RKLVLOG every 30 minutes. Keep this statement intact.

Support Information

If you have a problem with your IBM software, you want to resolve it quickly. This section describes the following options for obtaining support for IBM software products:

Searching knowledge bases

You can search the available knowledge bases to determine whether your problem was already encountered and is already documented.

Searching the information center

IBM provides extensive documentation that can be installed on your local computer or on an intranet server. You can use the search function of this information center to query conceptual information, instructions for completing tasks, and reference information.

Searching the Internet

If you cannot find an answer to your question in the information center, search the Internet for the latest, most complete information that might help you resolve your problem.

To search multiple Internet resources for your product, use the **Web search** topic in your information center. In the navigation frame, click **Troubleshooting and support > Searching knowledge bases** and select **Web search**. From this topic, you can search a variety of resources, including the following:

- IBM technotes
- IBM downloads
- IBM Redbooks®
- IBM developerWorks®
- Forums and newsgroups
- Google

Obtaining fixes

A product fix might be available to resolve your problem. To determine what fixes are available for your IBM software product, follow these steps:

1. Go to the IBM Software Support Web site at (http://www.ibm.com/software/support).
2. Click **Downloads and drivers** in the **Support topics** section.
3. Select the **Software** category.
4. Select a product in the **Sub-category** list.
5. In the **Find downloads and drivers by product** section, select one software category from the **Category** list.
6. Select one product from the **Sub-category** list.
7. Type more search terms in the **Search within results** if you want to refine your search.
8. Click **Search**.
9. From the list of downloads returned by your search, click the name of a fix to read the description of the fix and to optionally download the fix.

   For more information about the types of fixes that are available, IBM Software Support Handbook at http://techsupport.services.ibm.com/guides/handbook.html.

Receiving weekly support updates

To receive weekly e-mail notifications about fixes and other software support news, follow these steps:

1. Go to the IBM Software Support Web site at http:/www.ibm.com/software/support.
2. Click **My Support** in the upper right corner of the page.
3. If you have already registered for **My Support**, sign in and skip to the next step. If you have not registered, click **register now**. Complete the registration form using your e-mail address as your IBM ID and click **Submit**.
4. Click **Edit Profile**.
5. In the **Products** list, select **Software**. A second list is displayed.
6. In the second list, select a product segment, for example, **Application servers**. A third list is displayed.
7. In the third list, select a product sub-segment, for example, **Distributed Application & Web Servers**. A list of applicable products is displayed.
8. Select the products for which you want to receive updates, for example, **IBM HTTP Server** and **WebSphere Application Server**.
9. Click **Add products**.
10. After selecting all products that are of interest to you, click **Subscribe to email** on the **Edit profile** tab.
11. Select **Please send these documents by weekly email**.

12. Update your e-mail address as needed.
13. In the **Documents** list, select **Software**.
14. Select the types of documents that you want to receive information about.
15. Click **Update**.

If you experience problems with the **My support** feature, you can obtain help in one of the following ways:

Online: Send an e-mail message to erchelp@ca.ibm.com, describing your problem.

By phone: Call 1-800-IBM-4You (1-800-426-4968).

Contacting IBM Software Support

IBM Software Support provides assistance with product defects.

Before contacting IBM Software Support, your company must have an active IBM software maintenance contract, and you must be authorized to submit problems to IBM. The type of software maintenance contract that you need depends on the type of product you have:

- For IBM distributed software products (including, but not limited to, Tivoli, Lotus®, and Rational® products, as well as DB2® and WebSphere® products that run on Windows or UNIX operating systems), enroll in Passport Advantage® in one of the following ways:
  - **Online**: Go to the Passport Advantage Web page (http://www.lotus.com/services/passport.nsf/WebDocs/Passport_Advantage_Home) and click **How to Enroll**
  - **By phone**: For the phone number to call in your country, go to the IBM Software Support Web site at http://techsupport.services.ibm.com/guides/contacts.html and click the name of your geographic region.
- For customers with Subscription and Support (S & S) contracts, go to the Software Service Request Web site at https://techsupport.services.ibm.com/ssr/login.
- For customers with IBMLink™, CATIA, Linux™, S/390®, iSeries™, pSeries®, zSeries®, and other support agreements, go to the Support Line Web site at http://www.ibm.com/services/us/index.wss/so/its/a1000030/dt006.
- For IBM eServer™ software products (including, but not limited to, DB2 and WebSphere products that run in zSeries, pSeries, and iSeries environments), you can purchase a software maintenance agreement by working directly with an IBM sales representative or an IBM Business Partner. For more information about support for eServer software products, go to the IBM Technical Support Advantage Web site at http://www.ibm.com/servers/eserver/techsupport.html.

If you are not sure what type of software maintenance contract you need, call 1-800-IBMSERV (1-800-426-7378) in the United States. From other countries, go to the contacts page of the *IBM Software Support Handbook* on the Web at

http://techsupport.services.ibm.com/guides/contacts.html and click the name of your geographic region for phone numbers of people who provide support for your location.

To contact IBM Software Support, follow these steps:

1. "Determining the business impact" on page 216
2. "Describing problems and gathering information" on page 216
3. "Submitting problems" on page 217

Determining the business impact

When you report a problem to IBM, you are asked to supply a severity level. Therefore, you need to understand and assess the business impact of the problem that you are reporting. Use the following criteria.

Severity 1	The problem has a *critical* business impact. You are unable to use the program, resulting in a critical impact on operations. This condition requires an immediate solution.
Severity 2	The problem has a *significant* business impact. The program is usable, but it is severely limited.
Severity 3	The problem has *some* business impact. The program is usable, but less significant features (not critical to operations) are unavailable.
Severity 4	The problem has *minimal* business impact. The problem causes little impact on operations, or a reasonable circumvention to the problem was implemented.

Describing problems and gathering information

When explaining a problem to IBM, be as specific as possible. Include all relevant background information so that IBM Software Support specialists can help you solve the problem efficiently. To save time, know the answers to these questions:

- What software versions were you running when the problem occurred?
- Do you have logs, traces, and messages that are related to the problem symptoms? IBM Software Support is likely to ask for this information.
- Can you re-create the problem? If so, what steps were performed to re-create the problem?
- Did you make any changes to the system? For example, did you make changes to the hardware, operating system, networking software, and so on.
- Are you currently using a workaround for the problem? If so, be prepared to explain the workaround when you report the problem.
- What software versions were you running when the problem occurred?

Submitting problems

You can submit your problem to IBM Software Support in one of two ways:

- **Online**: Click **Submit and track problems** on the IBM Software Support site at http://www.ibm.com/software/support/probsub.html. Type your information into the appropriate problem submission form.
- **By phone:** For the phone number to call in your country, go to the contacts page of the IBM Software Support Handbook (http://techsupport.services.ibm.com/guides/contacts.html) and click the name of your geographic region.

If the problem you submit is for a software defect or for missing or inaccurate documentation, IBM Software Support creates an Authorized Program Analysis Report (APAR). The APAR describes the problem in detail. Whenever possible, IBM Software Support provides a workaround that you can implement until the APAR is resolved and a fix is delivered. IBM publishes resolved APARs on the Software Support Web site daily, so that other users who experience the same problem can benefit from the same resolution.

Notices

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Part Number: SC32-9426-00

Printed in USA

SC32-9426-00