

EView/400i Management for Windows

Installation Guide for Integration with HP Operations Manager Windows

Version 6.3



September 2012

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The printing date and part number of the manual indicate the edition of the manual. The printing date will change when a new edition is printed. Minor changes may be made at reprint without changing the printing date.

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Support

Visit the EView Technology web site at:

<http://www.eview-tech.com/>

This web site provides contact information and details about the products, services, and support that EView Technology offers.

You can also contact EView Technology support via e-mail. See the web site for contact information.

Revision History

This manual's title page contains the following identifying information:

- Version number, which indicates the software version.
- Print date, which changes each time the document is updated.

Table 1 indicates changes made to this document since the last released edition.

Table 1: Changes to This Document

Date	Description
September 2012	Version 6.3

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Conventions

The following typographical conventions are used in this manual.

Table 1: Typographical Conventions

Font	Meaning	Example
<i>Italic</i>	Book or manual titles, and man page names	See the <i>Administrator's Reference</i> for more information.
	Provides emphasis	You <i>must</i> follow these steps.
	Specifies a variable that you must supply when entering a command	At the prompt, enter rlogin <i>your_name</i> where you supply your login name.
	Parameters to a function	The <i>oper_name</i> parameter returns an integer response.
Bold	New terms	The monitor agent observes...
Computer	Text and items on the computer screen	The system replies: Press <code>Enter</code>
	Command names	Use the <code>grep</code> command ...
	Function names	Use the <code>opc_connect()</code> function to connect...
	File and directory names	<code>/opt/OV/bin/OpC/</code>
	Process names	Check to see if <code>opcmona</code> is running.
	Window/dialog box names	In the <code>Add Logfile</code> window...
Computer Bold	Text that you must enter	At the prompt, enter <code>ls -l</code>
Keycap	Keyboard keys	Press Return .
[Button]	Buttons on the user interface.	Click [Operator]. Click the [Apply] button.
Menu Items	A menu name followed by a colon (:) means that you select the menu, then the item. When the item is followed by an arrow (->),	Select <code>Actions:Utilities->Reports ...</code>

Font	Meaning	Example
	a cascading menu follows.	

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Documentation

EView/400i Management for Windows (EV/400) provides a set of manuals that help you use the product and understand the concepts underlying the product. This section describes what information is available and where you can find it.



In addition to EV/400 documentation, related HP Operations Manager products provide a comprehensive set of manuals that help you use and understand the products' underlying concepts.

EView/400i Printed Manuals

This section provides an overview of the printed manuals and their contents.

EView/400i Management for Windows Concepts Guide

Explains EV/400 features, functions, architecture, and data flow. Describes EV/400 agent and server components, process management, OMW integration, and message windows.

EView/400i Management for Windows Installation Guide

Explains how to install, de-install, and configure EV/400. Also includes how to transfer installation files from the OMW management server to the AS/400 agent.

EView/400i Management for Windows Administrator's Reference

Explains how to customize and use EV/400. Also includes detailed troubleshooting procedures and explanations of EV/400 system messages.

EView/400 Online Information

The following information is available online:

- *EView/400i Management for Windows Concepts Guide*
- *EView/400i Management for Windows Installation Guide*
- *EView/400i Management for Windows Administrator's Reference*
- *EView/400i Management for Windows Software Release Notes*



Installing and De-installing EView/400i

This chapter describes how to install and de-install EView/400i Management for Windows (EV/400).

Installation Requirements

This section describes the operating system, hardware, and software requirements for installing EView/400i software. To avoid problems during installation, read this section before you start the installation process.

Hardware Requirements

- HP Operations Manager Server:

EV/400 requires appropriate Ethernet hardware on the OMW Management Server and OMW Console to communicate via TCP/IP.

All other hardware requirements are the same as the requirements for HP Operations Manager for Windows.

- AS/400 iSeries Managed Node:

EV/400 requires the appropriate Ethernet hardware on the AS/400 to allow for TCP/IP communication with the OMW server.

In addition, make sure that OMW management server, OMW console, and AS/400 managed nodes meet the disk space requirements described in Table 3-1.

Table 3-1: Additional Disk-Space Requirements

Machine	Disk Space
OMW Management Server	15 MB
OMW Console	5 MB
AS/400 Managed Node	20 MB

Software Requirements

- **On the OMW Management Server and Console:**

Installation of EView/400i requires the pre-existence of HP Operations Manager for Windows (OMW) Version 8.0 or higher (formerly “HP OpenView”) running on a Windows server supported by HP OM.

EView/400i requires the IIS web server and the TCP/IP network protocol stack to be active. See the *EView/400i Administrator’s Reference* for IIS required configuration.

The EView/400i web interface supports:

- Mozilla Firefox version 16.0.1 or below
- Internet Explorer version 10 or below with JavaScript enabled

EView/400i tools which run on the OMW Console require the Java Runtime Environment (JRE) Version 1.4 or higher which is available from

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

EView/400i tools require a Perl language environment that has the net::ftp function available. (The Perl which is installed with OMW does not have this function.) The recommended Perl distribution is ActivePerl version 5.16.x and below, available from <http://www.activestate.com>.

All other software requirements are the same as the requirements for HP Operations for Windows.

- **On the iSeries (AS/400) Managed Node:**

EView/400i requires OS/400 V5R3 or higher on the managed nodes.

EView/400i requires the TCP/IP network protocol stack to be active.

Obtaining License Keys

EV/400 requires a license key to be applied to each AS/400 node that is to be managed by the OMW server. Contact EView Technology at +1-919-878-5199 or e-mail support@eview-tech.com to get the necessary license keys. Be prepared to give the following information about each AS/400 system:

Table 3-2: EView/400i License Key Components

Information	Where to Find It
AS/400 Serial Number	OS/400 Command: DSPSYSVAL SYSVAL(QSRLNBR)
AS/400 Model Number	OS/400 Command: DSPSYSVAL SYSVAL(QMODEL)
AS/400 Processor Feature Code	OS/400 Command: DSPSYSVAL SYSVAL(QPRCFEAT)
AS/400 Processor Group	OS/400 Command: WRKLICINF

Upgrading from a Previous Version of EView/400

If you have EView/400 Version 2 or OV OS/400 installed on your OMW server, use the following steps to prepare the system for the Version 6 installation:

1. Close any running EView/400 application windows.
2. From the EView/400 Task Manager, stop all EView/400 services, including the ev400crdir, then exit the Task Manager (do not leave it running in the Windows system tray).
3. In OMW, copy any existing policies and tools that may have been customized in the "AS400" policy group and "AS/400 Tools" group to a temporary group.
4. If you have made any customizations to the files `as400jobmon.conf`, `as400sev_map.conf`, or `ev400info` in the `conf` subdirectory, or the default message filters, then save a copy of these files under a different name.

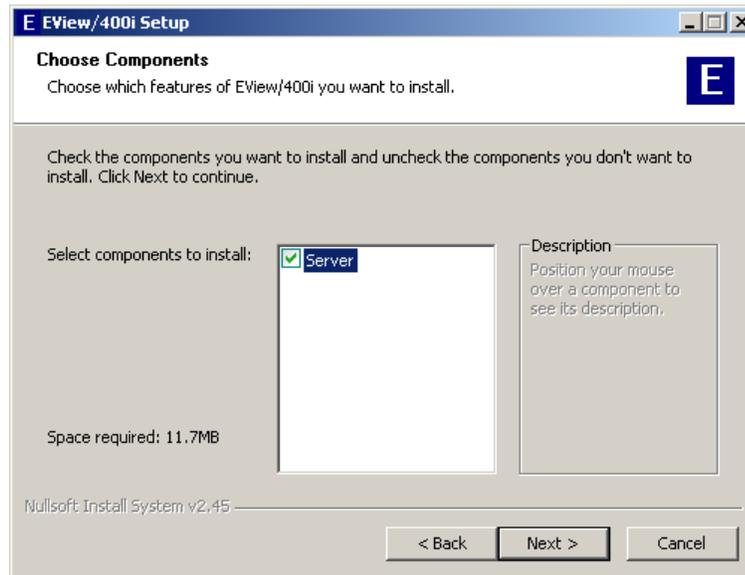
Installing EView/400i on an OVOW Management Server or Console

The EView/400 installation program can be run to install the EView/400 server component, the EView/400 client component, or both.

Installation Steps

1. Insert the EView/400 installation CD into the CD drive of the OMW management server or OMW console.
2. If the setup wizard does not automatically start, go to the top level directory on the installation CD and double-click `Eview400Install.exe`.
3. If this is an EView/400 server installation, select the Server checkbox in the setup wizard. If this is an installation on an OMW console only, select the Client checkbox.

Figure 3-1: Component Installation Selection



Installed File Locations on the Management Server

The installation process copies the necessary files to the OMW management server in the directory path you specified. The default path for EV/400 files is:

```
\Program Files\EView Technology\EView 400\
```

The installation process also defines an “EV400” virtual directory pointer in IIS to point to the installed Java class files.

Loading the AS/400 Library

This section explains how to start the EV/400 installation process on the AS/400 managed node using the following steps:

- Loading the installation library
- Running the installation program
- Adding an AS/400 user ID for parameter transfers

Installing the Library



Verify that the EVIEW library is not in your library list on the AS/400 agent system.

Follow these steps to load the AS/400 components of EView/400i:

1. Sign on to the AS/400 as QSECOFR.
2. Create a temporary save file named EVREL61 in any available library to receive the installation save file:

```
CRTSAVF FILE(libname/EVREL63)
```

3. On the OMW server, change directory to the `as400` subdirectory under the location where EView/400i was installed, then start an ftp session to the AS/400. Set the file type to binary, then change directory to the library name of the save file created in Step 2. Use the `put` command to place the library on the AS/400. You must add the “. SAVF” Save File attribute:

```
> cd \Program Files\EView Technology\EView 400\as400
> ftp as400name
User: qsecofr
Password: ****
ftp> bin
ftp> cd libname
ftp> put EVREL63.SAVF
ftp> quit
```

4. Restore the installation library on the AS/400 (a library named EVREL63 will be created):

```
RSTLIB SAVLIB(EVREL63) DEV(*SAVF) SAVF(libname/EVREL63) RSTLIB(EVREL63)
```

Running the Installation Program

From the AS/400 command line, enter the following command to create the EView/400i runtime library EVIEW:

```
CALL EVREL63/EVINSTALL
```

This program creates the agent library EVIEW, and also creates an AS/400 user profile EVUSER, which has ownership of all EV/400 objects.

(If this is an upgrade installation from EView/400 Version 1 or Version 2 and a previous EVIEW library exists, EVINSTALL will save the existing EVIEW library in a savefile named EVIEW6SAVE in the QGPL library. The EVINSTALL program will keep any message queue and message ID filter definitions that were previously defined.)

Setting up Parameter Transfer ID for the OMW Server

The startup parameters for the agent subsystem are modified on the OMW server and then transferred to the AS/400 agent. Define a new AS/400 user ID (or identify an existing ID) with the authority to store objects in the EVIEW library. Additionally, the ID will need the *CHANGE authority for the eight configuration objects within the EVIEW library: five files, EVF020, EVF021, EVJOBFLT, EVPARMS, and EVMSGQCFG, and three user spaces, EVFILTRSPC, EVQCFGSPC, and EVHSTFLSPC. (The default ID used in EV/400 setup is `ov400user`.)

This concludes the installation of the EView/400i software on the AS/400 agent. Continue with the *EView/400i Administrator's Reference* for information on setting up the configuration parameters for the agent and starting the server processes and the agent subsystem.

De-installing EV/400

This section describes how to remove EV/400 software from the following:

- OMW GUI
- OMW management server
- AS/400 managed nodes

To Remove EV/400 Components from the OMW GUI

Follow these steps to manually remove EV/400 components from the OMW GUI:

1. Run the EV/400 Configurator application from a web browser:
`http://OMW_servername/vp400/main.pl`
and select "Add/Edit Nodes", then stop all running EV/400 processes, including the ev400crdr process.
2. From the "Add/Edit Nodes" page, select each defined node and click the "Delete Node" button.
3. On the OMW server, delete the "AS/400 Tools" group from the Tools subtree.
4. Right-click the "AS400" policy group in the Policy Management subtree, and select "All Tasks->Uninstall from...". Select the OMW management server and click "OK" to remove the EV/400 policies from the management server. Then delete the "AS400" policy group from the Policy Management subtree.
5. Delete any AS/400 managed nodes from the Nodes subtree, and then delete the "AS400" group from the Nodes.
6. Remove any log files created during the EV/400 run:

```
cd <EV/400_install_directory>\log
del *.*
```

To Remove EV/400 Components from the OMW Server

Use the "Add/Remove Programs" utility from Windows Control Panel to remove EV/400 files, registry entries, and the EV/400 virtual directory in IIS.

To Remove EV/400 from the AS/400 Managed Nodes

To stop and remove EV/400 from the managed nodes, follow these steps:

1. Stop the EV/400 subsystem using the OS/400 command:
`ENDSBS EVSBS *IMMED`
2. Enter the following commands to delete the EV/400 EVIEW library from the AS/400:

```
CLROUTQ EVIEW/EVCMD  
CLROUTQ EVIEW/EVTRACE  
CLROUTQ EVIEW/EVHSTOQ  
DLTLIB LIB (EVIEW)
```

3. Enter the following command to delete the EVUSER user profile:

```
DLTUSRPRF USRPRF (EVUSER)
```

central processing unit

See CPU.

CPU central processing unit. Part of computer with circuits that control the interpretation and execution of instructions.

DASD

Direct Access Storage Device. Also known as “disk pack” or “disk drive.” Device in which access time is effectively independent of the data location.

Data Queue

An AS/400 system object that holds data in which a program writes to read from in FIFO order.

disk pack

See DASD.

disk pack

See DASD.

domain

An AS/400, along with all of its lines, controllers and devices.

GUI

Graphical user interface.

HP OpenView Windows

See OVW.

IP

Internet Protocol

Message Queue

A data queue that holds messages from a specific area of the AS/400. For example QSYSOPR is the message queue for the operating system.

Node

See Domain.

OpenView Windows

See OVW.

OVW OpenView Windows. Customizable OpenView network management GUI.

Port

An access point for data entry and exit.

Server

1. In general, a functional unit that provides shared services or facilities to workstations over a network (for example, a file server, a print server, or a mail server). 2. In the UNIX operating system, an application program that usually runs in the background and is controlled by the system program controller.

setenv

The command used to set environment variables in C shell.

TCP/IP

Transmission Control Protocol. Communications protocol used in the Internet and in any network that follows the U.S. Department of Defense standards for inter-network protocol. This protocol provides reliable host-to-host communication between hosts in packet-switched communications networks and in interconnected systems of such networks. It assumes that the Internet protocol is the underlying protocol.