

# **EView/400i Management for HP Operations Manager Unix/Linux**

## **Installation Guide**

**Software Version: 7.0**



**February 2014**



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## 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
July 2005	Version 2.0
August 2009	Version 6.0
July 2010	Version 6.1
March 2011	Version 6.1
December 2011	Changed agent installation file to EVREL62.SAVF
June 2013	Changed agent installation file to EVREL63.SAVF
February 2014	Version 7.0

To check for recent updates or to verify that you are using the most recent edition of a document, visit the following URL:

<http://www.eview-tech.com/e400dlunix.php>

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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.
<b>Bold</b>	New terms	The <b>monitor agent</b> observes...
Computer	Text and items on the computer screen	The system replies: Press Enter
	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 Add Logfile window...
<b>Computer Bold</b>	Text that you must enter	At the prompt, enter <b><code>ls -l</code></b>
<b>Keycap</b>	Keyboard keys	Press <b>Return</b> .
[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	Select Actions:Utilities->Reports ...

Font	Meaning	Example
	item is followed by an arrow ( -> ), a cascading menu follows.	

## Documentation Map

EView/400i Management Unix (EView/400i) 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 EView/400i documentation, related HP Operations Manager products provide a comprehensive set of manuals that help you use the products and improve your understanding of the underlying concepts.

### EView/400i Manuals

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

#### *EView/400i Management for Unix Concepts Guide*

Explains EView/400i features, functions, architecture, and data flow. Describes EView/400i agent and server components, process management, SNA discovery process, network topology, and message windows.

#### *EView/400i Management for Unix/Linux Installation Guide*

Explains how to install, de-install, and configure EView/400i. Also includes how to upload installation files from the OMU management server, and start and stop EView/400i. Also describes OS/400 console commands.

#### *EView/400i Management for Unix/Linux Administrator's Reference*

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

## **EView/400i Online Information**

The following information is available online.

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

# Installing and De-installing EView/400i

This chapter describes how to install and de-install EView/400i Management (EView/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

For detailed hardware requirements for the Operations Manager for Unix (OMU) management server, see the *HP Operations Manager for UNIX 9.0 Administration UI Installation Guide*.

For the OMU managed node, the hardware requirements are:

- iSeries (AS/400) system
- TCP/IP connectivity

In addition to the above requirements, make sure that the systems you select as the OMU management server and managed node meet the disk space requirements described in Table 3-1.

**Table 3-1: Additional Disk Space Requirements for EView/400i**

Machine	Disk Space
OMU Management Server	85 MB
EView/400i Managed Node	20 MB

### Software Requirements

Before installing EView/400i, make sure the following software is installed:

- **On the OMU Management Server:**

One of the following operating systems must be installed:

- HP-UX 11.31 or later (Itanium only)
- Sun Solaris 2.10 or higher
- RedHat Linux Enterprise Edition 5.3 or later (64-bit)

OMU Management Server 9.0 or higher must be installed.

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

OS/400 V5R3 or higher must be installed.

The TCP/IP network protocol stack must be active.

## Obtaining License Keys

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

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

iSeries System Information	Where to Find It
Serial Number	OS/400 Command: <b>DSPSYSVAL SYSVAL (QSRLNBR)</b>
Processor Group	OS/400 Command: <b>WRKLICINF</b>

If the iSeries system has multiple logical partitions (LPARs), each LPAR will be seen by OMU as a separate managed node, but the same license key may be used for all of the LPARs on the same physical system.

## Installing EView/400i on the OMU Management Server

Install the EView/400i software on the OMU management server with one of the following UNIX operating systems:

- HP-UX
- Sun Solaris
- RedHat Linux



If you receive any warning or error messages during installation, you must resolve these problems before continuing with the installation.

### Download the EView/400i Software Bundle

Contact EView Technology to receive the Internet link to download the EView/400i package. Alternatively, EView Technology will provide, upon request, an installable CD with the EView/400i software.

The installation filename is dependent on the OMU management server's operating system:

<u>Operating System</u>	<u>Installation Bundle Filename</u>
HP-UX 11.31 (Itanium)	EV400.A.07.00.depot
Sun Solaris 2.10	EV400.A.07.00.tar.gz
RedHat Linux Enterprise Edition 5.3 (64-bit)	EView400-7-0.x86_64.rpm

### Install EView/400i on a Management Server with HP-UX

The quickest way to install the EView/400i software bundle is with the Software Distributor (SD). The SD installation installs the product bundle, verifies that OMU is installed, verifies that the database is correctly configured, and uploads the configuration into OMU.

To install the EView/400i software bundle on an OMU management server with HP-UX, follow these steps:

1. Login to the OMU management server as **root** user.
2. Copy the EV400.A.07.00.depot file to a temporary directory such as /tmp on the OMU management server.
3. Install the EView/400i software by doing **one** of the following:
  - Use the "swinstall -s" command.

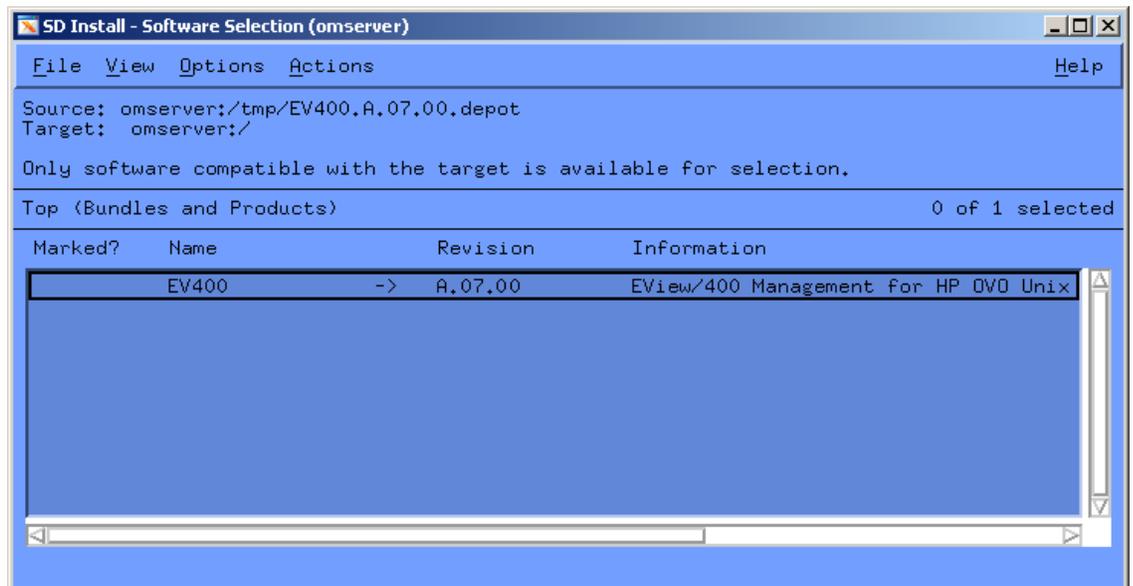
At the Unix root prompt, enter the swinstall command as follows:

```
swinstall -s /tmp/EV400.A.07.00.depot EV400Eng
```

where */tmp* is the temporary directory where the depot file was copied to. The swinstall command installs the EView/400i software bundle from the software depot and performs basic configurations. The software bundle contains all the EView/400i software, configuration files, and documentation.

- Use the swinstall GUI shown in Figure 3-1.
  - To install the EView/400i software with the swinstall GUI, follow these steps:
    - a. If necessary, set the DISPLAY variable for the machine on which you want to run the swinstall GUI.
    - b. At the root prompt, enter the following command:  
**swinstall**
    - c. In the Specify Source window, select the source depot type of "Local Directory". In the Source Depot Path field, enter the following:  
**/tmp/EV400.A.07.00.depot**  
where */tmp* is the temporary directory where the depot file was copied to. Then click [OK].
    - d. Highlight the EV400 entry.  
Right-click the entry and select "Mark for Install".
    - e. Select Actions: Install (analysis).  
The Install Analysis window appears.
    - f. When the analysis is completed, click [Logfile].  
Scroll to the bottom of the file and ensure that you have no warnings or errors, and then click [OK]. (Correct any errors prior to continuing installation.)
    - g. In the Install Analysis window, click [OK].  
The installation process starts.
    - h. After the install process completes, select File:Exit in the SD Install Software Selection window.

**Figure 3-1: Installing Software with the swinstall GUI**



## Install EView/400i on a Management Server with Solaris

To install the EView/400i software bundle on an OMU management server with Solaris, follow these steps:

1. Login to the OMU management server as **root** user.
2. Copy the downloaded `EV400.A.07.00.tar.gz` file to a temporary directory such as `/tmp` on the OMU management server.
3. Unzip the `.tar` file using the command:

```
gunzip EV400.A.07.00.tar.gz
```

4. Extract the “EView400” directory structure from the `.tar` file using the command:

```
tar -xvf EV400.A.07.00.tar
```

5. Use the Solaris `pkgadd` command to install the product:

```
pkgadd -d /tmp EView400
```

where `/tmp` is the name of the temporary directory where the installation file was copied to.

6. Delete the EView400 directory structure from the temporary directory.

## Install EView/400i on a Management Server with Linux

On Linux, the RedHat Package Manager (RPM) is used for installation.

To install the EView/400i software bundle on an OMU management server with RedHat Enterprise Linux, follow these steps:

1. Login to the OMU management server as **root** user.

2. Copy the downloaded `EView400-7-0.x86_64.rpm` file to a temporary directory such as `/tmp` on the OMU management server.
3. Enter the rpm command as follows:
 

```
rpm --install /tmp/EView400-7-0.x86_64.rpm
```

 where `/tmp` is the name of the temporary directory where the installation file was copied to.

## Verify the Installation on the Management Server

To verify that the installation of the EView/400i installed successfully on the OMU management server, follow these steps:

1. Start the `vp400elli` process
 

```
/opt/OV/bin/ovc -start vp400elli
```
2. Enter the following command to verify that the `vp400elli` process is running under HP Operations Manager:
 

```
/opt/OV/bin/ovc -status vp400elli
```
3. Start the OMU web-based administration tool and log in with an administrator ID.
4. Verify that the following have been created in OM:
  - the "400" node group
  - the "iSeries Tools" tool group
  - the "EV400" policy group
5. Compare the locations of the installed EView/400i files on the OMU management server with those listed in Table 3-3, "File Locations on the OMU Management Server". The file locations should be identical.

## Installed File Locations on the Management Server

The installation process copies the necessary files to the OMU management server. The directories created for the EView/400i on the OMU management server are shown in Table 3-3.

**Table 3-3: File Locations on the OMU Management Server**

File Type	Directory
Binary and Script	<code>/opt/OV/vp400/bin</code>
Configuration	<code>/etc/opt/OV/share/conf/vp400</code>
AS/400 Save File	<code>/opt/OV/vp400/as400</code>
Temp	<code>/var/opt/OV/share/conf/vp400</code>
Log Files	<code>/var/opt/OV/log/vp400</code>

## Installing EView/400i on the iSeries Agent

This section explains how to start the EView/400i installation process on the iSeries (AS/400) agent using the following steps:

1. Library installation
2. Running the Install Program
3. Cleanup of Temporary Files

### Installing the Library



Verify that the EVIEW library is not in your library list on the iSeries agent.

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

1. Sign on to the iSeries system as QSECOFR.
2. Create a temporary save file named EVREL70 in any available library to receive the installation save file:

```
CRTSAVF FILE(libname/EVREL70)
```

3. On the OMU server, change directory to /opt/OV/vp400/as400, then start an ftp session to the iSeries system. 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 iSeries agent.

```
# cd /opt/OV/vp400/as400
# ftp iSeriesName
User: qsecofr
Password: ****
ftp> bin
ftp> cd libname
ftp> put EVREL70.SAVF
ftp> quit
```

4. Restore the EView/400i library on the iSeries (a temporary library named EVREL70 will be created):

```
RSTLIB SAVLIB(EVREL70) DEV(*SAVF) SAVF(libname/EVREL70) RSTLIB(EVREL70)
```

## Running the Installation Program

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

**EVREL70/EVINSTALL**

Press F4 to see the installation options, or use the defaults described below:

Parameter	Keyword	Default	Description
MMS Port	MMSPORT	9000	The TCP/IP port number which will be opened and listened on for connections from the MMS process on the OMU server. Enter any unused port number between 1024 and 49151. This number will be ignored if the installation is upgrading a previous EView/400i version.
CS Port	CSPORT	9001	The TCP/IP port number which will be opened and listened on for connections from the CS process on the OMU server. Enter any unused port number between 1024 and 49151. This number will be ignored if the installation is upgrading a previous EView/400i version.
HCI Port	HCIPORT	9002	The TCP/IP port number which will be used for inter-process communications by jobs in the EView subsystem. Enter any unused port number between 1024 and 49151. This number will be ignored if the installation is upgrading a previous EView/400i version.
Backup Library	BACKUPLIB	QGPL	The name of the library where a backup of the current EVIEW library will be saved with a savefile named EVIEW7SAVE. This parameter will only be used if the installation is upgrading a previous EView/400i version. Use “*NONE” to skip the creation of a backup savefile.

## Start the EVSBS Subsystem

Start the EVSBS subsystem using one of these commands:

**CALL EVIEW/EVINIT**

or

**STRSBS EVIEW/EVSBS**

The EVSBS subsystem will start using either the TCP/IP port numbers specified in the EVINSTALL, or the existing defined port numbers if the installation is an upgrade from a previous EView/400i version.

## Cleanup of Temporary Files

Delete the temporary installation library and save file:

```
DLTLIB LIB (EVREL70)
```

```
DLTF FILE (libname/EVREL70)
```

This concludes the installation of the EView/400i software on the iSeries 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 EView/400i

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

- OMU GUI
- OMU Management Server
- iSeries Managed Nodes

### To Remove EView/400i Components from the OMU GUI

To remove EView/400i components from the OMU GUI, follow these steps:

1. From the Node Bank window, select and delete each defined iSeries node. If OMU asks to automatically de-install software from the managed nodes, answer "No".
2. Remove the "400" node group.
3. Remove all of the VP400 tools in the "iSeries Tools", "iSeries Configuration", and "iSeries Status" tool groups and the tool groups.
4. Remove the "EV400" Policy Group and all monitor policies beginning with "AS400" and message policies beginning with "EV400". Then re-deploy the assigned policies to the agent component of the management server, or remove the EView/400i policies using **ovpolicy -remove** commands.
5. Remove the "as400\_adm" and "as400\_op" user profiles from the User Profile Bank.
6. Stop all EView/400i processes running on the OMU server:

```
/opt/OV/bin/ovc -stop vp400elli
```

```
/opt/OV/vp400/bin/vp400sv -stop
```

7. Delete any configuration files for any iSeries nodes discovered:

```
cd /etc/opt/OV/share/conf/vp400
```

```
rm ev400_config_*
```

```
rm vp400_perf*
```

For more information about removing elements from the OMU GUI, see the *HP Operations Administrator's Reference*.

### To Remove EView/400i from the OMU Management Server

To remove the EView/400i components from the OMU management server and complete the general cleanup process, enter one of the following:

- On HP-UX, enter the following command:  
**swremove EView400**
- On Solaris, enter the following command:  
**pkgrm EView400**
- On Linux, enter the following command:  
**rpm --erase EView400-7-0**

## To Remove EView/400i from the iSeries Managed Nodes

To remove EView/400i from the managed nodes, follow these steps:

1. Stop the EView/400i subsystem using the OS/400 command:

```
ENDSBS EVSBS *IMMED
```

2. Enter the following commands to delete the EVIEW library from the iSeries system:

```
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)
```

