



EView/400i IBM i (iSeries-AS/400) Management for Micro Focus Operations Manager i (OMi)

Installation Guide

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Visit the EView Technology web site at:

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

Support questions may be sent to support@eview-tech.com

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
April 2018	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>

Table of Contents

Contents	7
Conventions	9
Documentation Map.....	10
EView/400i Manuals.....	10
EView/400i Online Information.....	11
Installing and De-installing EView/400i.....	13
Installation Requirements	14
Hardware Requirements	14
Software Requirements.....	14
Obtaining License Keys.....	15
Installing EView/400i on the EView Proxy Server	16
Download the EView/400i Software Bundle	16
Install EView/400i on a Proxy Server with Linux	16
Install EView/400i on a Proxy Server with Windows	17
Installation Steps.....	17
Installed File Locations on a Windows Proxy Server	17
Installed File Locations on a Linux Proxy Server	17
Importing the EView/400i Management Pack	18
Installing EView/400i on the iSeries Agent.....	19
Installing the Library	19
Running the Installation Program.....	20
Start the EVSBS Subsystem	20
Cleanup of Temporary Files.....	21

De-installing EView/400i.....	22
To Remove EView/400i Components from the OMi GUI	22
To Remove EView/400i from the EView/400 Proxy Server.....	22
To Remove EView/400i from the iSeries Managed Nodes	22

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 Enter
	Command names	Use the grep command ...
	Function names	Use the opc_connect() function to connect...
	File and directory names	/opt/OV/bin/OpC/
	Process names	Check to see if opcmona is running.
	Window/dialog box names	In the Add Logfile window...
Computer Bold	Text that you must enter	At the prompt, enter ls -l
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 (->), a cascading menu follows.	Select Actions:Utilities->Reports ...

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 Micro Focus Operations Manager i (OMi) 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 Micro Focus OMi 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 Micro Focus OMi Installation Guide

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

EView/400i Management for Micro Focus OMi 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 Management for Micro Focus OMi Concepts Guide*
- *EView/400i Management for Micro Focus OMi Installation Guide*
- *EView/400i Management for Micro Focus OMi Administrator's Reference*

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

EView/400i Management can be installed on any Intel (or compatible) based machine supporting a 64-bit architecture. It is recommended that the EView/400i Management server component be installed on a “proxy” machine and not on the OMi server.

In addition to disk space required for the operating system and Micro Focus Operations agent the EView/400i Management software requires the availability of 20MB disk space plus 10MB of disk space for each managed mainframe node.

Table 3-1: Additional Disk-Space Requirements

Machine	Operating System	Disk Space
EView Proxy Server	Redhat Enterprise Linux 6.7 or 7.x Centos Linux 6.7 or 7.x Windows 2008 Server R2 or Windows 2012 Server	20 MB
EView/400 Managed Node	System i OS Version 5.3 or later	50MB

Software Requirements

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

- **Micro Focus OMi Server**
OMi Version 10.0 or later including the Monitoring Automation Component
- **EView Proxy Server**
One of the following operating systems must be installed:
 - RedHat Linux Enterprise Edition 5.3 (64-bit)
 - Windows 2008 Server R2 or Windows 2012 R2 (64-bit)In addition, Operations Agent 11.12 or later must be installed.
- **EView/400 Managed Node**

Operating system System I OS V5R3 or higher must be installed.

Obtaining License Keys

EView/400i requires a license key to be applied to each iSeries node that is to be managed by the OMi 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 iSeries system:

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

<ul style="list-style-type: none"> ▪ Windows 2008 Server R2 or Windows 2012 R2 (64-bit) <p>In addition, Operations Agent 11.12 or later must be installed.</p> <ul style="list-style-type: none"> ▪ EView/400 Managed Node <p>Operating system System I OS V5R3 or higher must be installed.</p> <h3 style="text-align: center;">Obtaining License Keys</h3> <p>EView/400i requires a license key to be applied to each iSeries node that is to be managed by the OMi 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 iSeries system:</p> <p>Table 3-2: EView/400i License Key Components</p> <p>iSeries System Information</p>	<p>Where to Find It</p>
<p>Serial Number</p>	<p>OS/400 Command: DSPSYSVAL</p> <p style="text-align: right;">SY SV AL (Q SR LN BR)</p>
<p>Processor Group</p>	<p>OS/400 Command: WRKLICINF</p>

If the iSeries system has multiple logical partitions (LPARs), each LPAR will be seen by OMi 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 EView Proxy Server

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

- Windows Server 2008 R2
- Windows Server 2012 R2
- RedHat Enterprise Linux 5.3



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. The installation filename is dependent on the EView Proxy server's operating system:

<u>Operating System</u>	<u>Installation Bundle Filename</u>
Windows Server 2008 R2 or 2012 R2	EView400BSMInstall.exe
RedHat Linux Enterprise Edition 5.3 (64-bit)	EView400BSM-7-0.x86_64.rpm

Install EView/400i on a Proxy Server with Linux

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

To install the EView/390z software package on the EView Proxy server with Red Hat Enterprise Linux, follow these steps:

1. Login to the EView Proxy server as **root** user.
2. Download or transfer the installation package file to a directory such as /tmp on the OM management server.
3. Enter the rpm command as follows:

```
rpm --install /tmp/EView400BSM-7-0.x86_64.rpm
```

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

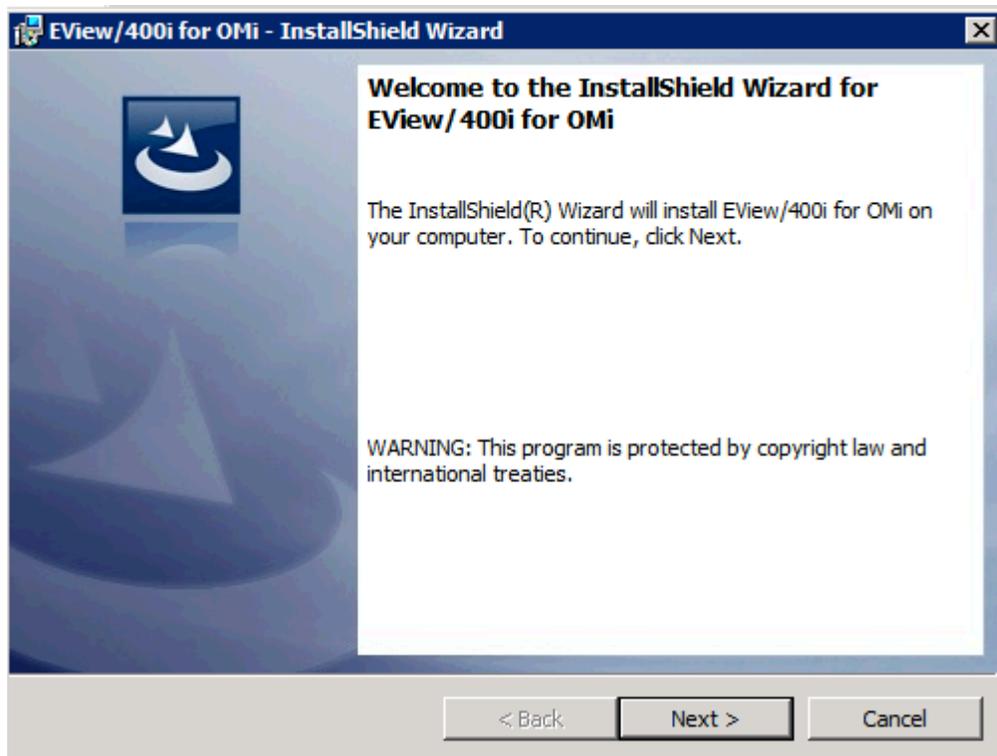
Install EView/400i on a Proxy Server with Windows

The EView/400i installation program is run as an executable on the EView proxy server.

Installation Steps

1. Download the EView/400i Management installation program and execute the EView400i_OMi.exe program on the EView proxy server.

Figure 3-1: EView/400 Installation



Installed File Locations on a Windows Proxy Server

The installation process copies the necessary files to the UCMDB probe in the directory path you specified. The default path for EView/400 files is:

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

Installed File Locations on a Linux Proxy Server

The installation process copies the necessary files to the EView Proxy server. The directories created for EView/400 on a Linux EView Proxy server (if not already existing) are shown in Table 3-2.

Table 3-2: EView/390 File Locations on a Linux EView Proxy Server

File Type	Directory
Binary and Script	/opt/OV/vp400/bin
Configuration	/etc/opt/OV/share/conf/vp400
iSeries Save File	/opt/OV/vp400/as400
Process and Command Log	/var/opt/OV/log/vp400
Language Localization	/opt/OV/vp400/local
Temp	/var/opt/OV/share/conf/vp400
Performance Data Collection	/var/opt/OV/vp400/datafiles

The directories created for EView/400 on a Windows EView Proxy server (if not already existing) are shown in Table 3-3. The default path for EView/390 files is:

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

Table 3-3: EView/400 File Locations on a Unix EView Proxy Server

File Type	Directory
Binary and Script	Bin
Configuration	Conf
iSeries Save File	As400
Process and Command Log	log
Language Localization	local
Management Pack	Mp
Performance Data Collection	datafiles

Importing the EView/400i Management Pack

The EView/400i Management Pack contains policies to be deployed for monitoring. Two types of policies are provided, message policies for unsolicited messages and measurement threshold policies that operate on an interval basis to retrieve and check defined metrics.

The management pack is contained in the directory /opt/OV/vp400/mp on Linux or in the mp subdirectory of the EView/400i installation path on Windows. Copy the EV400MPV70.zip file to the system where you will launch the OMi Administration interface and perform the import function.

Perform the following functions to import the management pack.

1. Launch the OMi Administration interface and launch the “Content Manager”.
2. In the “Content Manager” click on the “Import Content” button.



3. Browse to the location where the EV400MPV70.zip file was copied and select the file.
4. Click the “Import” button to import the management pack.

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 EView Proxy 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 EView Proxy 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 EView Proxy 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:

- OMi GUI
- OMi Management Server
- iSeries Managed Nodes

To Remove EView/400i Components from the OMi GUI

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

1. Using the EView/400i web configuration interface, select the configured iSeries nodes and then click the Stop button, to stop all EView/400i services.
2. From the Administration->Setup and Maintenance->Monitored Nodes Screen, locate the iSeries node(s) to be removed. Select the nodes and right-click and choose “Delete Item” from the menu.
3. From the Administration->Monitoring->Assignments and Tuning page, select the “OMi Deployment with Operations Agents” from the pull down list. From the list, select the EView Proxy server name. Select any assigned items and then select “Delete Item” from the context menu or the Delete Item icon.
4. From the Administration->Setup and Maintenance->Content Pack page, select the EView/390 Management Pack, right click and choose “Delete Item”.

To Remove EView/400i from the EView/400 Proxy Server

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

- On Linux, enter the following command:
rpm -erase EView400BSM-7-0
- On Windows, go to Add/Remove programs and choose EView/400i and uninstall.

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)
```