

HP OpenView Operations OS/400 Management Release Notes

Edition 3

Version A.05.00

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Announcement

The following information is for version A.05.00 of HP OpenView Operations OS/400 Management.

HP OpenView Operations OS/400 Management allows you to integrate AS/400 or iSeries systems into the HP OpenView Operations environment. As a component of the HP OpenView Operations solution, HP OpenView Operations OS/400 Management extends management of the IT environment to OS/400 domains.

HP OpenView Operations OS/400 Management coexists with existing OS/400 management solutions to increase flexibility in managing OS/400 environments. More than just discovering OS/400 network topology and its resources, HP OpenView Operations OS/400 Management also monitors the status and health of the OS/400 system and its standard applications.

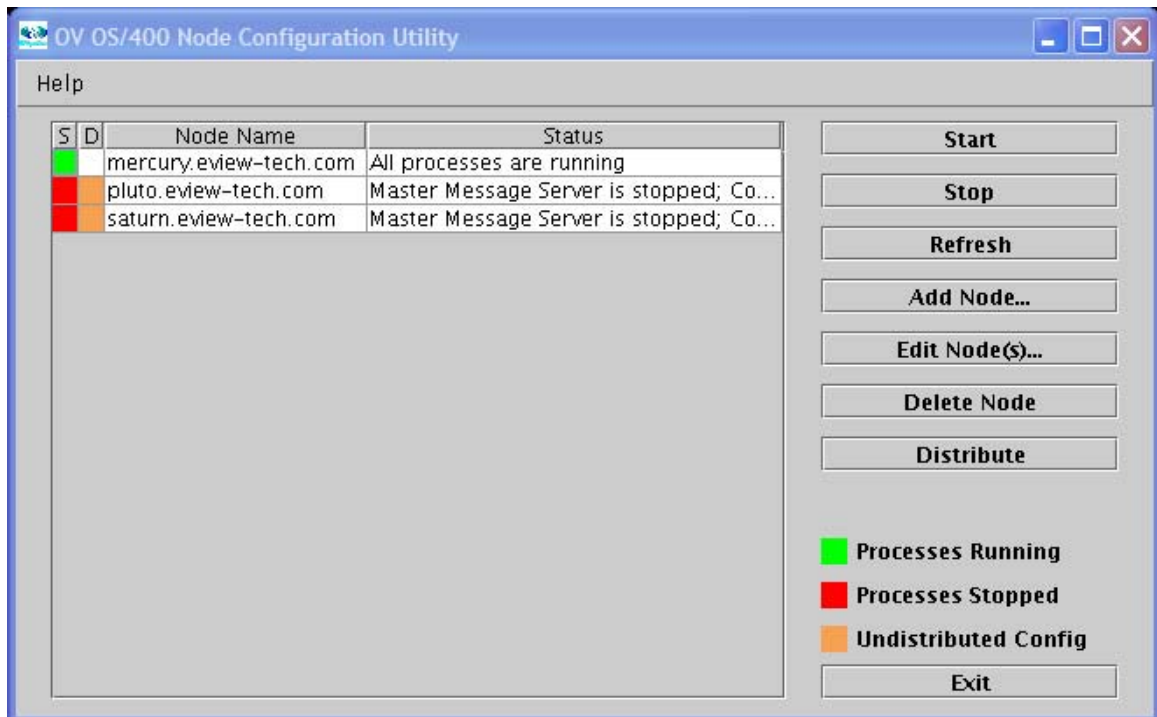
What's in This Version

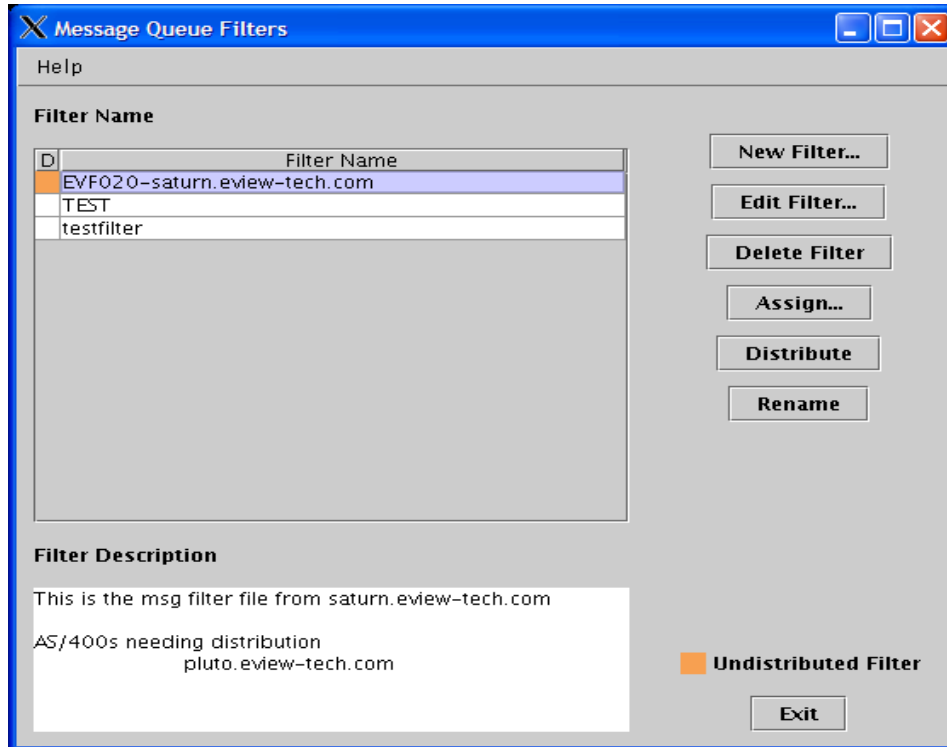
HP OpenView Operations OS/400 Management is closely integrated into OVO management system. Intelligent agents monitor the AS/400 or iSeries environment for important events and critical situations. These event and situation messages are communicated to the OVO management server through the Transmission Control Protocol (TCP/IP).

On the OVO management server, OV OS/400 exploits the facilities of OVO including message templates, applications, and a graphical presentation of the AS/400 resources (lines, controllers, devices).

VP400 Version A.05.00 has the following additional features:

1. Centralized Configuration Management – configuration for the OV OS/400 server component and all OV OS/400 agents will be performed on the management server. A new graphical interface provides for adding new managed AS/400 nodes and editing the server and agent parameters for the AS/400 nodes. Message filters for AS/400 agents will be configured and stored on the management server. The new configuration method allows for assigning one message filter set to multiple nodes, thus decreasing the amount of configuration work required by the administrator in cases where the same message filters are used on multiple managed nodes. New or updated configurations are distributed to the managed AS/400 using the configuration GUI. Below are sample screens from the new configuration management interface:





NOTE: The agent configuration panel is no longer available on the agent. All agent configuration must be performed using the configuration AS/400 node configuration utility on the OVO management server. All agent configuration files are stored in files in the EVIEW library on the AS/400. The following files contain agent configuration data:

- EVPARMS – global agent configuration parameters
- EVMSGQCFG – configuration for monitored message queues
- EVF020 – message queue filter
- EVF021 – history log (QHST) filter

Agent configuration is stored on the OVO management server and distributed from the management server. If agent parameters are changed directly on the AS/400 you must use the synchronization utilities on the management server to update the configuration store on the management server.

2. Performance Data Collection – a new option has been added to the OV OS/400 agent to enable the collection of AS/400 performance metrics and delivering those metrics to the OV OS/400 server component. On the OVO server the AS/400 performance metrics can be stored in the management server performance sub-agent data store or in the OpenView Performance Agent data store. Performance metrics from the AS/400 can be viewed using OpenView Performance Manager or stored in the OpenView Service Reporter database for historical reporting. Threshold monitoring can also be applied to any of the performance metrics.

The following list metrics that are collected (see OV OS/400 Administrator's Reference for specific measurement class definitions):

- users currently signed in
- percent processing unit use
- jobs in system
- percent permanent address
- percent temporary address

- system ASP
 - percent system ASP used
 - total auxiliary storage
 - current unprotected storage used
 - maximum unprotected storage used
 - percent DB capability
 - main storage size
 - number of memory pools
 - maximum active threads
 - database faults
 - database pages
 - non-database faults
 - non-database pages
 - Processing unit time used
 - Number of interactive transactions
 - Response time total
 - number of I/O requests per second
 - number of Read requests per second
 - number of Write requests per second
 - average device percent busy
3. Job Log Monitoring – for many applications (e.g. J.D. Edwards) critical messages may not be sent to a message queue that can be monitored by the OV OS/400 agent. This release provides the capability to initiate a scan of a job’s log when the job completes. Designed to be used as an automatic or operator initiated action when a job completes, the new job log monitoring feature will scan all job log files for the completed job looking for critical messages using a filter defined for the specific job. The job log scan looks for message Ids and optionally can look for specific text strings within the message using Unix style regular expression pattern matching. Messages that match the job log filter are sent to the OVO server and can be processed using the standard OVO message template.
 4. New Message Queue Monitoring Option – for special cases where customers have other tools that require access to monitored message queues, a new option is being provided to monitor those message queues without impacting any other tools. The new option (SCAN) introduces a short delay (interval) in the process of checking the monitored queues for messages and customers that want immediate delivery of critical messages the default (current) option should be used. Unlike other products that monitor AS/400 message queues, use of this option will be able to co-exist with any other message queue-monitoring tool.
 5. Internationalization (I18N) support – in this release support is being added to support AS/400 and OVO servers running in non-English environments where multi-byte character sets are used. In cases where non-English environments are managed, all non-English AS/400 nodes must be using the same National Language environment, and that National Language environment must be consistent with the language environment of the OVO management server. A mix of English and one other non-English language environment is supported.
 6. In this release the OV OS/400 server component will support integration with OVO UNIX Releases 7.1 and 8.1. NOTE, non-English AS/400 environments are only supported with OVO UNIX 8.1. The OV OS/400 agent will be supported on OS/400 Version 5 Release 1 and later, including the recently released Version 5 Release 3.
 7. In the Java User Interface a new option has been added to the WRKACTJOB tab. The “Message” button will retrieve the last 500 lines of the active job log for the selected job. A new tab “DSPMSG(*INQ)” has been added to display outstanding inquiry messages on QSYSOPR. The operator may also respond to messages from the Java User Interface.

Known Problems and Workarounds

When adding a new AS/400 node, the new node will be placed in the "Holding Area" of the Node Bank. To move it to the Node Bank main level, open the "400" Node Group and drag the new node into the Node Bank main window.

When updating fields using the OV OS/400 configuration GUI utilities, be sure to press the enter key after updating the field. If the enter key has not been depressed after changing a field and you exit from the window, the field will not be saved.

Compatibility Information and Installation Requirements

Prior to installing HP OpenView Operations OS/400 Management product the HP OpenView Operations 7.X or Version 8.1 must be installed on one of the following supported Unix operating systems:

- HP-UX 11.00 or HP-UX 11.11
- Solaris 7 or Solaris 8 or Solaris 9

The OV OS/400 agent provided in this release only supports OS/400 releases V5R1 and later.

HP OpenView Operations OS/400 Management requires approximately 85MB of disk space on the OVO management server and 20 megabytes of space on the AS/400 system.

It is not required to stop the OVO or OpenView processes to install HP OpenView Operations OS/400 Management.

For detailed installation instructions see the HP OpenView Operations OS/400 Management Installation Guide.

Installation on HP-UX systems will require that the CD-ROM be mounted using the mount command. After mounting the CD-ROM issue the swinstall command as follows.

To install from the command line:

```
swinstall -s /<cdrom-mount-point>/HPUX-11/VP400.A.05.00.depot VP400Eng
```

To install using the swinstall GUI:

```
swinstall -s /<cdrom-mount-point>/HPUX-11
```

Installation on Solaris systems can only be performed at the command line. Load the CD-ROM, and Solaris volume management will detect the CD-ROM and mount it. Verify the mount point using the **df -k** command (typically will be /cdrom/cdrom0). Set the language environment to variable "C". For example, in an sh Unix shell enter:

```
LANG=C
```

```
export LANG
```

Issue the swinstall command:

```
swinstall -s /cdrom/cdrom0/SOLARIS/VP390.A.05.00.depot VP400Eng
```

Patches and Fixes in This Version

Version A.05.00 of OpenView Operations OS/400 Management incorporates all of the patches for Version A.04.00.

Software Availability in Native Languages

There is no information on non-English languages for HP OpenView Operations OS/400 Management.