

HP Operations Orchestration Software

Software Version: 7.10

System Requirements

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Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
 - The number before the period identifies the major release number.
 - The first number after the period identifies the minor release number.
 - The second number after the period represents the minor-minor release number.
- Document Release Date, which changes each time the document is updated.
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To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

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Updating documentation

Documentation enhancements are a continual project at Hewlett-Packard Software. You can update the documentation set at any time using the following procedure (which is also available in the HP OO readme file).

To obtain HP OO documentation

1. On The Web site <https://support1.opsware.com/support/index.php>, log in with account name and password that you received when you purchased HP OO.
2. On the **Support** tab, click the **Product Docs** subtab.
3. Under **Quick Jump**, click **Operations Orchestration** (or **Process Automation System**).
4. Under **Operations Orchestration**, click **ZIP** beside **HP OO 7.10 Full Documentation Set**.
5. Extract the files in the .zip file to the appropriate locations on your system:
 - For the tutorials to run, you must store the .swf file and the .html file in the same directory.
 - To obtain the repository that reflects the state of the flow at the start of the tutorial, unzip the file Exportof<preceding_tutorial_name>.zip.
 - To obtain the scriptlet for the tutorial that includes using scriptlets, click the scriptlet .txt file name.
 - To update your Central or Studio Help:
 - a. Under **Help Files**, click **Studio Help File Bundle** or **Central Help File Bundle**.
 - b. In the **File Download** box appears, click either **Open** or **Save**.
 - c. Extract the files to the Hewlett-Packard Software\HP OO home directory, in either the **\Central\docs\help\Central** or **\Studio\docs\help\Studio** subdirectory, overwriting the existing fileS.

System Requirements

Following are the minimum hardware and software requirements for servers and clients running Hewlett-Packard Software Operations Orchestration (HP OO).

Support for 64-bit architecture is available on Linux/Oracle configurations for the Central, Scheduler, and JRAS components of HP OO.

HP OO Central and database server(s)

The hard-drive space requirements differ depending on whether you install the database and Central on the same machine.

Hardware

Component	Requirement per server
CPU	2 Gigahertz
Memory (RAM)	2 Gigabyte (GB)
Hard-drive space	Database server: As described in your database system requirements HP OO Central server: 1.6 GB (This includes the out-of-the-box content of the Operations and Accelerator Packs folders and for their rolling backups.) When the database and Central are installed on the same machine, sum the requirements for the database and the Central servers. Add 60KB for each flow that you have created and its rolling backups.

The following software requirements are broken out into those for Windows systems and those for Linux systems.

Software for Windows systems

Component	Requirement
Operating system	Microsoft Windows 2003 Server (Standard, Enterprise, or Datacenter edition), 32-bit
Runtime environments	Microsoft .NET Framework 2.0 or 3.0, with ASP.NET enabled Important: If you have .NET Framework 3.0 installed, you must also install .NET Framework 2.0, side by side with version 3.0. Java Runtime Environment version 1.6 (listed as 6.0 on the Sun Web site)
Database management system	SQL Server 2000 Service Pack 3a or later OR SQL Server 2005 OR MySQL 5.0.x (including the MySQL driver file Mysql-connector-java-<versionnumber>.jar)
Web browser	Microsoft Internet Explorer 6.0 or later OR FireFox 1.5 or later

Software for Linux systems

Component	Requirement
Operating system	On 32-bit server: Red Hat Enterprise Linux 3.x or 4.x On 64-bit server: Red Hat Enterprise Linux AS 4.x for 86-64 architecture
Runtime environments	Java Runtime Environment version 1.6 (listed as 6.0 on the Sun Web site)
Database management system	Oracle 10g Enterprise (10.2.0.2.0) OR MySQL 5.0.x (including the MySQL driver file Mysql-connector-java-<versionnumber>.jar)
Web browser	Firefox 1.5 or later
HP OO Load Balancer	On each machine on which HP OO Load Balancer is installed: libcom_err.so.3 (available in most Linux distributions)

HP OO remote action services installed remotely from Central

Remote action services for the Central Web application do not have additional hardware requirements for the Web server. The software requirements for computers on which the remote action services are installed are as follows:

Software for standalone RAS installations

Component	Requirement
Operating system, on 32-bit server	One of the following: Red Hat Enterprise Linux 3.x or 4.x Windows 2003 Standard, Enterprise, or Database edition Windows XP Professional edition, Service Pack 2 Vista Enterprise edition
Operating system, on 64-bit server	Red Hat Enterprise Linux AS 4.x for 86-64 architecture
Runtime environments	Microsoft .NET Framework 2.0 or 3.0, with ASP.NET enabled Important: If you have .NET Framework 3.0 installed, you must also install .NET Framework 2.0, side by side with version 3.0. Java Runtime Environment version 1.6 (listed as 6.0 on the Sun Web site)

Central client

Web client machines for Central and machines on which you install Studio must meet the hardware requirements for their Web browser.

Software

Component	Requirement
Operating system	One of the following: <ul style="list-style-type: none">• Microsoft Windows XP Professional Edition, Service Pack 2 or higher, 32-bit• Windows 2003 Standard, Enterprise, or Datacenter edition, 32-bit• Red Hat Linux 3.x or later, 32-bit• Red Hat Enterprise Linux AS 4.x for 86-64 architecture
Web browser	Microsoft Internet Explorer 6.0 or later (supported only for Windows operating systems) OR Firefox 1.5 or later

Note: If you run the Central client on a Linux operating system, the Web browser must be Firefox 1.5 or later. Using Microsoft Internet Explorer 6.0 or later for the Central client's Web browser is not supported on a Linux operating system.

HP OO Studio installed on its own machine

Hardware

Component	Requirement
CPU	700 Megahertz
Memory (RAM)	512 MB
Hard-drive space	350 MB (This includes the out-of-the-box content of the Operations and Accelerator Packs folders.) Add 30KB for each flow that you have created.

Software

Component	Requirement
Operating system	One of the following: <ul style="list-style-type: none">• Microsoft Windows XP Professional Edition, Service Pack 2 or higher, 32-bit• Windows 2003 Server, 32-bit, Standard, Enterprise, or Datacenter edition• Vista Enterprise edition
Flash animation player for tutorials	Macromedia Flash Player 8.0

Virtual systems

HP OO supports VMWare ESX 3.x. Server.