

HP CloudSystem Chargeback

For the Windows[®] operating system

Software Version: 9.40

Compatibility Matrix

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Requirements

This section provides information about the supported hardware and software that you must have to successfully install and run CloudSystem Chargeback (CSC) 9.40.

Hardware

The CloudSystem Chargeback 9.40 server has the following minimum requirements:

Windows

- CPU: Intel Xeon or equivalent
- RAM: 4 GB
- Disk Space: 30 GB
- Screen resolution: 1024*768
- Color Display: N/A
- Network identification: IPv4/IPv6

Operating System

The CloudSystem Chargeback 9.40 Server is supported on the following operating systems:

Platform	Operating System
x64/Microsoft	Windows Server 2008 R2

Virtual Environments

Hardware virtualization solutions, such as VMware, reside in the hardware layer underneath the operating system and are used by customers to partition and virtualize their server hardware.

HP will support customers who run software products on supported Operating Systems, irrespective of whether they are running VMware in their environment or not. HP supports operating systems, not specific hardware configurations. Accordingly, HP does not support VMware since it operates at the hardware layer. VMware supports a set of certified operating systems and hardware, and the customer and VMware will be responsible for any interactions or issues that arise at the hardware or operating system layer as a result of their use of VMware.

HP will not require customers to recreate and troubleshoot every issue in a non-VMware environment; however, HP does reserve the right to request our customers to diagnose certain issues in a native certified operating system environment without the virtual image. HP will only make this request when there is reason to believe that the virtual environment is a contributing factor to the issue.

While HP software products are expected to function properly in virtual environments, there may be performance implications, which can invalidate HP's typical sizing and recommendations. Analysis must be performed within the context of the specific application to be hosted in a virtual environment to minimize potential resource contention, which can have significant impact on performance and scalability, particularly under peak load.

Supported Components

In the following table:

- **C1** = Windows Client
- **C2** = Web Client
- **C3** = Web Services
- **C4** = Automated Process Manager and Application Designer

Note: Automated Process Manager is installed as both a graphical program and a Windows service. Only server versions of Microsoft Windows are recommended for

Automated Process Manager in a production environment.

- **C5** = APIs

Platform and Operating System	C1	C2	C3	C4	C5
<ul style="list-style-type: none">• Windows/Microsoft Windows Server 2008 R2	x	x	x	x	x

Databases

Database Engine	Versions
Microsoft SQL Server	2005 SP4
Microsoft SQL Server	2008
Microsoft SQL Server	2008 R2
Microsoft SQL Server	2012

Note: By default, Microsoft SQL Server 2012 Express edition is installed by CloudSystem Chargeback as the database server. You can migrate the database to the above SQL Server editions.

Application Servers

By default, after CloudSystem Chargeback9.40 is installed, the application server detailed in the following table is installed as well:

Application Server	Operating System
Tomcat 7.0	x64/Windows Server 2008 R2

Web Servers

Server	Operating System
Tomcat 7.0	x64/Windows Server 2008 R2

Web Browsers and Plug-ins

Browser	Version
Internet Explorer (IE)	Internet Explorer 7, 8, 9, and 10
Firefox	ESR10.0.x (x>=7), ESR 17.0

MOE and CSA versions

This section describes the HP Matrix Operating Environment (MOE) and Cloud Service Automation (CSA) versions that are supported by CloudSystem Chargeback.

Supported MOE version

CloudSystem Chargeback 9.40 supports the following MOE version:

- MOE v 7.1

Supported CSA version

CloudSystem Chargeback 9.40 supports the following CSA versions:

- CSA v 3.1
- CSA v 3.2

Note: CSA 3.2 introduces the **Group Ownership** feature, which allows a user to request a cloud service that can be used by a user group. In this case, CloudSystem Chargeback randomly selects a user in the group and charges against his/her billing center during the calculation of expense lines. The behavior may or may not be correct depending on the billing center structure.

Additional Requirements

This section describes the additional requirements of CloudSystem Chargeback 9.40.

Oracle Java Runtime Environment

Oracle Java Runtime Environment (JRE) is required to run CloudSystem Chargeback. By default, JRE version 6.0 is installed together with CloudSystem Chargeback.

SAP Crystal Report Server

SAP Crystal Report Server enables CloudSystem Chargeback to provide billing report services. By default, SAP Crystal Report Server 2008 SP5 is installed together with CloudSystem Chargeback.

Compatibility

This section provides information about software and configurations that are not required, but which are compatible with CloudSystem Chargeback 9.40.

Languages

Internationalization Variances

CloudSystem Chargeback 9.40 only has the English version. There are no known internationalization variances with CloudSystem Chargeback 9.40 when it is run on different locales.

Virtualization Products

CloudSystem Chargeback 9.40 can be installed in Windows Server 2008 R2 that is hosted in a virtual machine, so long as the OS is supported within the virtualized environment.

High-Availability Products

You can use several options to handle load balancing and high availability, with the Apache Tomcat server. For more information, refer to Apache Tomcat's documentation.

HP Software Integrations

Information about HP software that integrates with CloudSystem Chargeback 9.40 can be found at the HP Support web site.

See <http://support.openview.hp.com/sc/solutions/index.jsp#tab=tab3>.

HP Software Coexistence

No coexistence information for CloudSystem Chargeback 9.40 is available.

Other Software Coexistence

No coexistence information for CloudSystem Chargeback 9.40 is available.

Obsolescence Plans

As of June 2013, there are no plans to end support for any currently supported version of CloudSystem Chargeback.

We appreciate your feedback!

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