

# HP Cloud Service Automation

Software Version 4.50

## System and Software Support Matrix

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## HP Cloud Service Automation Software Setup

This document provides an overview of the setup requirements for HP Software Cloud Service Automation (HP CSA) Version 4.50. The HP CSA software package contains the following:

- Marketplace Portal (service catalog interface)
- HP CSA Cloud Service Management Console (administrative and operational control interface)
- HP CSA Cloud Controller (core solution software)
- HP CSA Cloud Platform

## HP CSA Documentation

HP software product documentation can be found at <https://softwaresupport.hp.com/>

Sign in with your HP Passport credentials and select **Manuals** from the Dashboards menu. Use the search and filter functions to find documentation, whitepapers, and other information sources. To access the full set of HP CSA documentation, refer to the [HP Cloud Service Automation Documentation Library](#) (HP Passport required).

## HP CSA Integration Pack

HP CSA ships with pre-developed content archives, which contain service designs and resource offerings that can be customized for your use. You can import and export this integrated “content” developed for specific HP CSA applications and adapt it to your business needs. The out-of-the-box integrations shipped with this version of HP CSA are stored in the CSA\_HOME/CSAKit-4.5 folder.

You can also download integrations at the HP Live Network website: <https://hpln.hp.com/> Access to this site is restricted. HP customers must have an active HP support agreement ID (SAID) for HP Cloud Service Automation and an HP Passport sign-in to access the data on this site. For more sample service designs and sample resource offerings, see your HP Professional Services Representative.

**Table 1. HP CSA Integration Pack**

Content	Location	Supported OO
CSA 4.5 content	CSA_HOME/CSAKit-4.5	9.07.0008 and 10.21.0001
	CSA_HOME/Tools/CSLContentInstaller/	10.21.0001

## HP CSA Minimum System Requirements

**Table 2. Minimum Hardware Requirements for the HP CSA Application Server and CSA DB Server**

	CSA Application Server	CSA DB
CPU	4 CPU, 3.0 GHz	8 CPU, 3.0 GHz
RAM	8 GB	16 GB
Hard Drive	20 GB	50 GB

HP CSA Application Server and CSA DB server can be deployed on a virtual machine. It is recommended that they are on different virtual machines, however. Please make sure to reserve CPU and memory resources exclusively for CSA on a virtual machine, so that the product can function with reasonable throughput. The installation requires a minimum of 7GB of free disk space on the target installation directory.

## HP CSA CAC Support

Common Access Card (CAC) is not supported when CSA is deployed in an HA environment nor in a deployment environment where a Proxy Server is configured in front of CSA Controller.

## HP CSA Software Coexistence Statement

HP CSA executes as a web application in a JBoss 8 application server container. HP CSA is supported on either a physical server or virtual server.

**Table 3. HP CSA Coexistence Support**

CSA Mode	Support
HP CSA (non-FIPS mode)	HP CSA is supported when running concurrently with other software products on the same physical or virtual server.
HP CSA (FIPS mode)	When configured in a FIPS compliant mode, the JBoss application server must be dedicated to HP CSA and the JRE instance referenced by HP CSA must be exclusively dedicated.

## HP CSA IPv6 - B Support

Hewlett-Packard Software is committed to providing support of the network Internet Protocol version 6 (IPv6) level B for our enterprise software products and solutions. HP CSA supports installation on hosts implementing dual-stack (IPv4/IPv6) transport. HP CSA can deploy Cloud Server Services using network Internet Protocol version 6 (IPv6).

**Table 4. HP CSA Network Transport Support**

	Support
HP CSA	HP CSA is supported for installation on the platforms listed below when configured for dual IPv4/IPv6 transport. HP CSA can communicate over both IPv4 and IPv6 transport. See <a href="#">HP CSA Supported Platforms</a> .

## HP CSA Supported Platforms

**Note:** To use an Oracle database with HP CSA, you must download Oracle JDBC drivers:

- For Oracle 11g R2 JDBC drivers, go to:  
<http://www.oracle.com/technetwork/database/enterprise-edition/jdbc-112010-090769.html>
- For Oracle 12c R1 JDBC drivers, go to:  
<http://www.oracle.com/technetwork/database/features/jdbc/default-2280470.html>

HP CSA requires **ojdbc6.jar** and **orai18n.jar** to be downloaded and stored in a common directory prior to product installation.

**Table 5. Microsoft Windows 2008 R2 Standalone**

	Supported	Recommended *
Operating System	Microsoft Windows 2008 R2 SP1 64-bit	Microsoft Windows 2008 R2 SP1 Enterprise 64-bit
Middleware	Oracle JRE 8 OpenJDK JRE 8	OpenJDK JRE 8
Microsoft SQL Database	Microsoft SQL Server 2008 R2 Microsoft SQL Server 2012	Microsoft Enterprise SQL Server 2008 R2 SP3 Microsoft Enterprise SQL Server 2012 SP2
Oracle Database	Oracle Database 11g R2 Standard Edition Oracle Database 11g R2 Enterprise Edition Oracle Database 11g R2 Enterprise RAC Oracle Database 12c R1 Standard Edition Oracle Database 12c R1 Enterprise Edition Oracle Database 12c R1 RAC	
Postgres Database	PostgreSQL Server 9. x 64-bit	

\* Recommended indicates the specific software version used for solution testing by HP CSA.

**Note:** Installation of Microsoft Visual C++ 2008 Redistributable Package is required

**Table 6. Microsoft Windows 2012 R2 Standalone**

	Supported	Recommended *
Operating System	Microsoft Windows Server 2012 R2 Standard .NET Framework v3.5 <sup>1</sup>	Microsoft Windows Server 2012 R2 Standard .NET Framework v3.5 <sup>1</sup> - Required
Middleware	Oracle JRE 8 OpenJDK JRE 8	OpenJDK JRE 8
Microsoft SQL Database	Microsoft SQL Server 2012	Microsoft Enterprise SQL Server 2012 SP2
Oracle Database	Oracle Database 11g R2 Standard Edition Oracle Database 11g R2 Enterprise Edition Oracle Database 11g R2 Enterprise RAC Oracle Database 12c R1 Standard Edition Oracle Database 12c R1 Enterprise Edition Oracle Database 12c R1 RAC	Oracle 12c R1 Enterprise Edition
Postgres Database	PostgreSQL Server 9. x 64-bit	

\* Recommended indicates the specific software version used for solution testing by HP CSA.

(1) Enable .NET Framework 3.5, on Windows 2012 R2, even if you have a higher version of .NET framework installed on the system

**Table 7. Microsoft Windows 2008 R2 High Availability**

	Supported	Recommended *
<b>Operating System</b>	Microsoft Windows 2008 R2 SP1 Enterprise 64-bit	Microsoft Windows 2008 R2 SP1 Enterprise 64-bit
<b>Middleware</b>	JBoss Application Clustering (Wildfly 8.2.0 embedded)	
	Oracle JRE 8 OpenJDK JRE 8	OpenJDK JRE 8
	Apache HTTP server version httpd - 2.2	Apache HTTP server version httpd - 2.2
	F5 BIG IP LTM 11.31	F5 BIG IP LTM 11.31
<b>Microsoft SQL Database</b>	Microsoft Enterprise SQL Server 2008 R2 Microsoft Enterprise SQL Server (Always On with JDBC driver) 2012 SP2	Microsoft Enterprise SQL Server 2008 R2 SP3 Microsoft Enterprise SQL Server (Always On with JDBC driver) 2012 SP2
<b>Oracle Database</b>	Oracle Database 11g R2 Enterprise RAC Oracle Database 12c R1 RAC	
* Recommended indicates the specific software version used for solution testing by HP CSA.		
<b>Note:</b> Installation of Microsoft Visual C++ 2008 Redistributable Package is required		

**Table 8. Microsoft Windows 2012 R2 High Availability**

	Supported	Recommended *
<b>Operating System</b>	Microsoft Windows Server 2012 R2 Standard	Microsoft Windows Server 2012 R2 Standard
	.NET Framework v3.5 <sup>1</sup>	.NET Framework v3.5 <sup>1</sup> - Required
<b>Middleware</b>	JBoss Application Clustering (Wildfly 8.2.0 embedded)	
	Oracle JRE 8 OpenJDK JRE 8	OpenJDK JRE 8
	Apache HTTP server version httpd - 2.2	Apache HTTP server version httpd - 2.2
	F5 BIG IP LTM 11.31	F5 BIG IP LTM 11.31
<b>Microsoft SQL Database</b>	Microsoft SQL Server 2012	Microsoft Enterprise SQL Server (Always On with JDBC driver) 2012 SP2
<b>Oracle Database</b>	Oracle Database 11g R2 Enterprise RAC	
	Oracle Database 12c R1 RAC	
* Recommended indicates the specific software version used for solution testing by HP CSA.		
(1) Enable .NET Framework 3.5, on Windows 2012 R2, even if you have a higher version of .NET framework installed on the system		

**Table 9. Microsoft Windows 2008 R2 FIPS 140-2**

	Supported	Recommended *
<b>Operating System</b>	Microsoft Windows 2008 R2 64-bit	Microsoft Windows 2008 R2 SP2 Enterprise 64-bit
<b>Middleware</b>	Oracle JRE 8	Oracle JRE 8
	Java Cryptography Extension (JCE) Unlimited Jurisdiction Policy Files 8	Java Cryptography Extension (JCE) Unlimited Jurisdiction Policy Files 8
	IPv6 Endpoint Configuration	
<b>Microsoft SQL Database</b>	Microsoft SQL Server 2008 R2	Microsoft Enterprise SQL Server 2012 SP2
	Microsoft SQL Server 2012	

\* Recommended indicates the specific software version used for solution testing by HP CSA.

**Note:**

- HP CSA Supports SSL connections to either MSSQL or Oracle databases. For FIPS configurations with strong encryption enabled, HP CSA supports SSL connections to MSSQL databases only.
- HP CSA supports the configuration of IPv6 endpoints for communication with both the Marketplace Portal and the HP Cloud Service Management Console.
- Elasticsearch Feature not supported in FIPS mode
- Installation of Microsoft Visual C++ 2008 Redistributable Package is required

**Table 10. Microsoft Windows 2012 R2 FIPS 140-2**

	Supported	Recommended *
<b>Operating System</b>	Microsoft Windows Server 2012 R2 Standard	Microsoft Windows Server 2012 R2 Standard
	.NET Framework v3.5 <sup>1</sup> Required	.NET Framework v3.5 <sup>1</sup> Required
<b>Middleware</b>	Oracle JRE 8	Oracle JRE 8
	Java Cryptography Extension (JCE) Unlimited Jurisdiction Policy Files 8	Java Cryptography Extension (JCE) Unlimited Jurisdiction Policy Files 8
	IPv6 Endpoint Configuration	
<b>Microsoft SQL Database</b>	Microsoft SQL Server 2012	Microsoft Enterprise SQL Server 2012 SP2

\* Recommended indicates the specific software version used for solution testing by HP CSA.

(1) Enable .NET Framework 3.5, on Windows 2012 R2, even if you have a higher version of .NET framework installed on the system

**Note:**

- HP CSA Supports SSL connections to either MSSQL or Oracle databases. For FIPS configurations with strong encryption enabled, HP CSA supports SSL connections to MSSQL databases only.
- HP CSA supports the configuration of IPv6 endpoints for communication with both the Marketplace Portal and the HP Cloud Service Management Console.
- Elasticsearch Feature not supported in FIPS mode

**Table 11. Ubuntu Linux**

	Supported	Recommended *
Operating System	Ubuntu Linux 12.04 LTS 64-bit or higher	Ubuntu Linux 14.04 LTS 64-bit
Middleware	Oracle JRE 8 OpenJDK JRE 8	OpenJDK JRE 8
Microsoft SQL Database	Microsoft SQL Server 2008 R2 Microsoft SQL Server 2012	
Oracle Database	Oracle 11g R2 Standard Edition Oracle 11g R2 Enterprise Edition	
Postgres Database	PostgreSQL Server 9. x 64-bit	PostgreSQL Server 9.2.9 64-bit

\* Recommended indicates the specific software version used for solution testing by HP CSA.  
**Note:** Support of Ubuntu will be deprecated in a future release

**Table 12. Red Hat Enterprise Linux (RHEL)**

	Supported	Recommended *
Operating System	RHEL 6.3 or above within the 6.x series 64-bit	RHEL 6.6 64-bit
Middleware	Oracle JRE 8 OpenJDK JRE 8	OpenJDK JRE 8
Microsoft SQL Database	Microsoft SQL Server 2008 R2 Microsoft SQL Server 2012	Microsoft Enterprise SQL Server 2012 SP2
Oracle Database	Oracle Database 11g R2 Standard Edition Oracle Database 11g R2 Enterprise Edition Oracle Database 11g R2 Enterprise RAC Oracle Database 12c R1 Standard Edition Oracle Database 12c R1 Enterprise Edition Oracle Database 12c R1 RAC	Oracle Database 12c R1 Enterprise Edition
Postgres Database	PostgreSQL Server 9. x 64-bit	PostgreSQL Server 9.4.1 64-bit

\* Recommended indicates the specific software version used for solution testing by HP CSA.

**Table 13. Red Hat Enterprise Linux (RHEL) High Availability**

	Supported	Recommended *
<b>Operating System</b>	RHEL 6. 3 or above within the 6.x series 64-bit	RHEL 6.6 64-bit
<b>Middleware</b>	JBoss Application Clustering	JBoss Application Clustering
	Oracle JRE 8	OpenJDK JRE 8
	OpenJDK JRE 8	
	Apache HTTP server version httpd - 2. 4.10 version 1.2.6	Apache HTTP server version httpd - 2. 4.10 version 1.2.6
	F5 BIG IP LTM 11.31	F5 BIG IP LTM 11.31
<b>Microsoft SQL Database</b>	Microsoft Enterprise SQL Server 2008 R2 SP2	
<b>Oracle Database</b>	Oracle 11g R2 Enterprise RAC	
	Oracle 12c R1 Enterprise RAC	
<b>Postgres Database</b>	PostgreSQL Server 9. x 64-bit	PostgreSQL Server 9.4.1 64-bit

\* Recommended indicates the specific software version used for solution testing by HP CSA.

## Browser Support

### HP Cloud Service Management Console and HP Marketplace Portal Browser Support

#### Supported Browsers

- Microsoft® Internet Explorer 10 or higher
  - Requires <http://support.microsoft.com/kb/2496898> to be installed on the browser machine for displaying the Indian currency sign in proper format.
- Google Chrome 34 or higher
- Mozilla Firefox 26 or higher

#### Additional Browser Support Information

- For HP Cloud Service Management Console only: Requires Adobe Flash Player 12 or higher.

## Screen Resolution

The following screen resolutions are recommended for HP CSA 4.50:

- Marketplace Portal: minimum screen resolution of 1024x768 (Recommended: 1280x1024).
- HP CSA Cloud Service Management Console: minimum screen resolution of 1280x1024.



## HP Integrated Process Execution Engine (HP Operations Orchestration)

**IMPORTANT:** HP CSA 4.50 requires HP Operations Orchestration 10.21.0001 to support new capabilities, such as topology service designs. Customers using the older supported versions of HP Operations Orchestration cannot use topology service designs. HP Operations Orchestration 9.07 or higher versions support sequenced service designs.

For content pack requirements, go to: [HP Operations Orchestration Support Requirements](#).

**Table 14. HP Operations Orchestration Support**

Product	Supported	Recommended *	Sequenced Support	Topology Support
HP Operations Orchestration	OO 9.07 **		✓	
Platform and HP OO Studio	OO 10.21.0001 with Hotfix HF_27629 and Base CP 1.4.4 or higher within the OO 10.X series	OO 10.21.0001 with Hotfix HF_27629 and Base CP 1.4.4, or OO 10.22 or 10.50***	✓	✓

\* Recommended indicates the specific software version used for solution testing by HP CSA.

\*\* Only on upgrades.

\*\*\* OO 10.22 and 10.50 require CSA4.5.0001 (4.50 Patch 1) or higher level patch with the corresponding Content Packs shown under [HP OO Support Requirements](#).

## HP Codar Upgrade

HP Codar is available for upgrade from an HP CSA 4.50 installation, working with existing HP CSA functionality to facilitate continuous delivery automation.

The following license types are available:

- HP CSA permanent license only.
- HP Codar permanent license only.

If you install HP CSA, you must add an HP CSA permanent license first; if you install HP Codar, you must install an HP Codar license first. After you apply a base license, you can add an upgrade license, if desired.

**Table 15. Upgrade Licensing Requirements**

Existing installation	Upgrading to Codar 1.5 or CSA 4.5
CSA 4.2	Upgrade to CSA 4.5 using CSA 4.5 installer, then install Codar 1.5 license
CSA 4.2 with Codar 1.0 license	Upgrade to CSA 4.5 using CSA 4.5 installer (no need to install Codar license)
Codar 1.0	Upgrade to Codar 1.5 using Codar 1.5 installer, install CSA 4.5 license to upgrade to CSA 4.5
Codar 1.0 with CSA 4.2 license	Upgrade to CSA 4.5 using CSA 4.5 installer (no need to install CSA license)

For more information, refer to the HP Codar System and Software Support Matrix and other documentation available at <https://softwaresupport.hp.com/>

## Integration Compatibility

The integrations below have been demonstrated with HP CSA 4.50 and are supported by the corresponding product teams. Please review each product's release notes and contact the appropriate HP product support team for details.

**Table 16. Solution Versions for the HP CSA Requiring HP OO Integration**

Product	Supported	Recommended <sup>(1)</sup>	Sequenced Support	Topology Support
Amazon Web Services <i>Requires Content Pack (CP) 14.12 for Sequential Designs.</i>	Supported		✓	✓
Chef Server Enterprise <sup>(2)</sup>	11.0.11 or 12	11.0.11 or 12		✓
Docker	1.4.0 x			✓
HP Helion OpenStack	1.1	1.1	✓	✓
HP Helion OpenStack Community	Supported		✓	✓
HP Matrix Operating Environment (Matrix OE)	7.x	7.4	✓	
HP Insight Control Server Provisioning (ICSP)	7.4, 7.41	7.4		✓
HP Network Automation	9.x or 10.x	10.0	✓	
HP OneView	1.10, 1.20	1.20		✓
HP Data Center Authentication Automation (DCAA)	1.0	1.0	✓	✓
HP Server Automation (HP SA) Ultimate Edition	9.x with embedded DMA		✓	
	10.x with standalone DMA 10.x	10.21 with standalone DMA 10.30	✓	✓
HP Service Manager	9.40	9.40	✓	
HP SiteScope	11.x	11.30	✓	✓
HP Universal CMDB	9.x or 10.x	10.20	✓	
HP Virtualization Performance Viewer (VpV) <i>Requires Enhanced Virtual Center content CP 14.12 available on HPLN.</i>	2.10 or 2.20	2.20	✓	✓
Puppet	3.62 or 3.73	3.73		✓
VMware vCenter Operations Manager <sup>(3)</sup>	4.x, 5.x, 6.0 <sup>(4)</sup>	5.5	✓	✓

(1) Recommended indicates the specific software version used for solution testing by HP CSA.

(2) Chef Server can be downloaded from <http://www.getchef.com/chef/install/> HP CSA 4.50 Integration with Chef is supported on Chef Server installed on Ubuntu 12.04 and CentOS 6.4. CSA supports deployment of Chef Cookbooks and recipes on virtual machines running the CentOS or Ubuntu operating systems.

(3) HP CSA 4.50 leverages the following features in VMware vCenter: a) Applying a customization specification when cloning a template and b) Using a customization specification.

(4) VMware vCenter 6.0 requires CSA 4.5.0001 (Patch 1) or higher with the corresponding OO 10.22 or 10.50 Content Packs shown under [HP OO Support Requirements](#).

**Table 17. Solution Versions for the HP CSA Not Requiring HP OO Integration**

Product	Supported	Recommended <sup>(1)</sup>
HP ArcSight Logger	5.x, 6.x	6.0
HP Asset Manager <sup>(2)</sup>	9.41 and Cloud Billing Package 2.2	9.41 and Cloud Billing Package 2.2
HP IT Executive Scorecard <sup>(3)</sup>	HP IT Executive Scorecard 9.5 Patch 04 Windows 2008R2 when Patch 4 is available	
HP IT Business Analytics	HP IT Business Analytics 10.0	HP IT Business Analytics 10.0

(1) Recommended indicates the specific software version used for solution testing by HP CSA.  
(2) This integration does not support Topology Service Designs; however, it does support Sequence Service Designs.  
(3) HP IT Executive Scorecard gets vCenter Cost information directly from vCenter Chargeback Manager.

## Upgrades from Previous Releases

**IMPORTANT:** If users have Codar ONLY then use Codar installer

**Table 18. Supported Upgrades**

HP CSA Releases	Upgrade y/n?	For More Information
4.1 to 4.5	yes	See the HP CSA Upgrade Guide for platform and content upgrades.
4.2 to 4.5	yes	See the HP CSA Upgrade Guide for platform and content upgrades.

## Reference Websites and Downloads

**Table 19. For More Information and Download Locations**

Product	Support Matrix and System Requirements	For More Information	Downloads
Adobe Flash Player		Flash Player Development Center	
Amazon Web Services (AWS)		<a href="#">AWS Documentation</a>	
Chef Server		<a href="#">Chef documents</a>	
Docker		<a href="#">Docker website</a>	
HP ArcSight Logger	ArcSight Logger Specifications	HP ArcSight Logger website	HP ArcSight Logger Download (latest version)
HP Asset Manager	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	Go to <a href="#">HP Live Network</a> for downloads provided in addition to out-of-box content.
HP Cloud Service Automation (HP CSA)	This document	<a href="#">HP Software Support</a>	
HP Helion OpenStack Commercial		<a href="#">HP Helion OpenStack</a>	
HP Helion OpenStack Community		<a href="#">HP Helion OpenStack Community</a>	
HP IT Executive Scorecard	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	Go to <a href="#">HP Live Network</a> for downloads provided in addition to out-of-box content.
HP Matrix Operating Environment (Matrix OE)	<a href="#">HP Insight Software Support Matrix</a>	HP Insight Management (Matrix OE) website <a href="#">HP CloudSystem Matrix</a>	
HP Network Automation	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	Go to <a href="#">HP Live Network</a> for downloads provided in addition to out-of-box content
HP Operations Orchestration (HP OO)	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	
HP Server Automation Ultimate Edition (SA)	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	
HP Data Center Authentication Automation (DCAA)			
HP Service Manager	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	
HP SiteScope	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	
HP Universal CMDB	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	
HP Virtualization Performance Viewer (vPV)	<a href="#">HP Software Support</a>	<a href="#">HP Software Support</a>	<a href="#">HP Virtualization Performance Viewer (vPv)</a>
VMware vCenter Operations Manager		<a href="#">VMware vCenter Operations Manager Documentation</a>	

## HP Operations Orchestration Support Requirements

**Table 20. HP Operations Orchestration Content**

OO Release	Content Pack
9.07.0008	CP 13
10.21.0001	oo10-base-cp-1.4.4.jar
	oo10-cloud-cp-1.4.0.jar
	oo10-hp-solutions-cp-1.4.0.jar
	oo10-virtualization-cp-1.4.0.jar
10.22	oo10-base-cp-1.4.4.jar
	oo10-cloud-cp-1.4.0.jar
	oo10-hp-solutions-cp-1.4.0.jar
	oo10-virtualization-cp-1.4.0.jar
10.50	CSL content pack - v15.07
	oo10-base-cp-1.6.2.jar
	oo10-cloud-cp-1.6.0.jar
	oo10-hp-solutions-cp-1.6.0.jar
	oo10-virtualization-cp-1.6.0.jar
	oo10.50-csa-integrations-cp-4.50.0001.jar

**Table 21. HP Server Automation/Operations Orchestration Content**

HP Server Automation Release	OO release	OO - SA Content
9.x	9.07.0008	OO-SAS-9_00-08-ContentInstaller.jar
10.x	9.07.0008	OO-SAS-9_00-10-ContentInstaller.jar
10.x	10.21.0001	oo10-sa-cp-1.2.0.001.jar

**Table 22. HP Service Manager/Operations Orchestration Content**

Service Manager (SM) Release	OO release	OO - SM Content
9.40	9.07	OO_SM_Content_Pack_7_Installer (CP7)
9.40	10.21.0001	oo10-sm-cp-1.0.3.jar

**Note:** HP Operations Orchestration Content Pack 9.00.07 JPN if installed on a Japanese language system.

## Downloading HP Product Content from HP Live Network

1. Go to [HP Live Network](#).
2. Select the HP product with the content you require (for example, HP Server Automation).
3. Click the **Content** tab.

### NOTES

- HP Cloud Service Automation Solutions content is available on HP Live Network at this location:  
<https://hpln.hp.com/group/cloud-service-automation-solutions>
- HP Operations Orchestration content is available on HP Live Network at this location:  
<https://hpln.hp.com/node/21/contentfiles>

## For More Information

To access other toolkits to design and extend cloud services running on HP CloudSystem, go to <http://www.hp.com/go/csdevelopers>.

For more information about HP CloudSystem, visit <http://www.hp.com/go/cloudsystem>

HP software product documentation can be found at <https://softwaresupport.hp.com/>

You need to sign-in or register to use this site. Use the **Search** function at the top of the page to find documentation, whitepapers, and other information sources.

To help us improve our documents, please send feedback to [clouddocs@hpe.com](mailto:clouddocs@hpe.com).

## Document Change Notes

Description	Date
Initial release of this document with CSA 4.2 MR.	December 2014
Added <a href="#">HP CSA CAC Support</a> note clarifying environments where CAC is not supported. Added OO 10.22 and 10.50 compatibility and support requirements under: <ul style="list-style-type: none"><li>• <a href="#">HP Integrated Process Execution Engine (HP Operations Orchestration)</a></li><li>• <a href="#">HP Operations Orchestration Support Requirements</a></li></ul> Added VMware 6.0 under <a href="#">Integration Compatibility</a>	November 2015