



# HP Cloud and Automation Suite

Ultimate Edition: 2014.01

## At a Glance

# Table of contents

Legal Notices.....	2
Warranty.....	2
Restricted Rights Legend.....	2
Copyright Notice.....	2
Trademark Notices.....	2
Documentation Updates.....	3
Support.....	4
Support Matrices.....	4
HP Cloud and Automation Suite Ultimate Edition at a Glance.....	5
How to Find Information Resources.....	5
HP Cloud Service Automation (HP CSA 4.00).....	6
HP Server Automation (HP SA 10.00).....	7
HP Operations Orchestration (OO 10.00*).....	8
HP Database and Middleware Automation (HP DMA 10.10).....	9

Document Release Date: January 2014

Software Release Date: January 2014

## Legal Notices

### Warranty

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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.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

To check for recent updates or to verify that you are using the most recent edition of a document, go to:

**<http://h20230.www2.hp.com/selfsolve/manuals>**

This site requires that you register for an HP Passport and sign in. To register for an HP Passport ID, go to:

**<http://h20229.www2.hp.com/passport-registration.html>**

Or click the **New users - please register** link on the HP Passport login page.

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

## Support

Visit the HP Software Support Online web site at:

**<http://www.hp.com/go/hpssoftwaresupport>**

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

HP Software online support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support web site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract. To register for an HP Passport ID, go to:

**<http://h20229.www2.hp.com/passport-registration.html>**

To find more information about access levels, go to:

**[http://h20230.www2.hp.com/new\\_access\\_levels.jsp](http://h20230.www2.hp.com/new_access_levels.jsp)**

## Support Matrices

For complete support and compatibility information, see the support matrix for the relevant product releases:

- HP Cloud Service Automation (HP CSA 4.00)
- HP Server Automation (HP SA 10.00)
- HP Operations Orchestration (OO 10.00)

All support matrices and product manuals are available here on the HP Software Support Online website:

**[http://support.openview.hp.com/sc/support\\_matrices.jsp](http://support.openview.hp.com/sc/support_matrices.jsp)**

## HP Cloud and Automation Suite Ultimate Edition at a Glance

The HP Cloud and Automation (C&A) Suite Ultimate Edition is a complete hybrid cloud solution for infrastructure and application provisioning. The suite includes all the tools you need to rapidly set up hybrid clouds, including all software required to support infrastructure, platform, and application services. The HP C&A Suite Ultimate Edition includes the following products:

- HP Cloud Service Automation (HP CSA 4.00)
- HP Server Automation (HP SA 10.00)
- HP Operations Orchestration (OO 10.00)\*
- HP Database and Middleware Automation (DMA 10.10)

**\*Important Note:** In order for CSA 4.00 and DMA 10.10 to support the latest version of OO, OO 10.01 is required plus any applicable build patches. In order to ensure top performance, make sure to download and install OO 10.01 and the latest build patch. To find the latest build patch for OO 10.01, go to SSO→Downloads→Software Patches or <http://support.openview.hp.com/selfsolve/patches>, and select Operations Orchestration, scroll down to find and select version 10.01, and then click Search.

### How to Find Information Resources

A list of technical information resources for each product is included in this guide. To access these information resources, select the product and version number from the HP Software Documentation Portal:

**<http://support.openview.hp.com/selfsolve/manuals>**

All available documentation for the selected product release will be listed with download links for you to use.

## HP Cloud Service Automation (HP CSA 4.00)

HP Cloud Service Automation (HP CSA) is a unique platform that orchestrates the deployment of compute and infrastructure resources and of complex multi-tier application architectures. HP CSA integrates and leverages the strengths of several HP datacenter management and automation products, adding resource management, service offering design, and a customer portal to create a comprehensive service automation solution.

### HP Cloud OS Preview Program

As part of CSA 4.00, HP is introducing a topology designer for simplified design creation leveraging Cloud OS. HP Cloud OS Sandbox represents the publicly available technology preview version of HP Cloud OS. Interested customers and partners can sign up for the preview version through the HP Cloud OS Technology Preview Program.

Start at the <http://www.hp.com/go/cloudos> web page and click the link under HP Cloud OS Sandbox. After you complete the HP Software Cloud OS software access request form, an HP representative will contact you when the request is approved. Questions regarding installation and other technical questions can be addressed through the HP Cloud OS Beta Forum, as outlined in the evaluation agreement. Check the CSA compatibility matrix for the latest compatibility information (at [http://support.openview.hp.com/sc/support\\_matrices.jsp](http://support.openview.hp.com/sc/support_matrices.jsp)).

### Videos

You can access a library of Quick Start videos for CSA by going to the HP Software Documentation Portal and selecting the **CSA Architecture Live** PDF link from the CSA 4.00 documentation list.

### Technical Manuals and White Papers

The following information resources for CSA are available for download in PDF format:

- Release Notes
- What's New in CSA 4.00?
- Support Matrix
- Concepts Guide
- Installation and Upgrade Guide
- Windows Configuration Guide
- Linux Configuration Guide
- High Availability Configuration Guide
- Subscriber Portal Help (PDF version)
- Management Console Help (PDF version)
- Troubleshooting Guide
- API Reference
- Content Archive Tool Guide
- Whitepapers
  - Content Archive Tool Best Practices
  - CSA-00 Integration
  - CSA Integration Pack
  - ArcSight Logger
  - Oracle RAC Configuration
  - Service Manager Content

## HP Server Automation (HP SA 10.00)

HP Server Automation (SA) is data center automation software that centralizes and streamlines many data center functions and automates critical areas of your data center's server management including the following: server discovery, operating system provisioning, operating system patching, software provisioning, audit and compliance, application configuration, application deployment, software compliance, and reporting. SA enables you to make changes more safely and consistently because you can model and validate changes before you actually commit the changes to a managed server. SA also provides methods to ensure that modifications you plan for your managed servers work because they have been tested before being applied, thereby reducing downtime.

### Videos

You can access a library of Quick Start videos for SA by going to the HP Software Documentation Portal and selecting **QuickStart.html** from the SA 10.00 documentation list.

### Technical Manuals and White Papers

The following information resources for SA are available for download in PDF format:

- Release Notes (includes What's New)
- Support Matrix
- Overview and Architecture Guide
- Installation Guide
- Installation Requirements Quick Reference
- Upgrade Guide
- Administration Guide
- Integration Guide
- User Guides:
  - Application Configuration
  - Application Deployment Manager
  - Audit and Compliance
  - OS Provisioning
  - Server Automation
  - Server Patching
  - Server Automation Visualizer
  - Software Management
  - Storage Visibility and Automation
  - Virtualization
- Platform Developer Guide
- Reports Guide

## HP Operations Orchestration (OO 10.00\*)

HP Operations Orchestration (OO) is IT process automation and runbook automation software that enables you to create and use actions in structured sequences (or “flows”) that maintain, troubleshoot, repair, and provision your Information Technology (IT) resources by:

- Checking the health of, diagnosing, and repairing, networks, servers, services, software applications, and individual workstations,
- Checking client, server, and virtual machines for needed software and updates, and, if needed, performing the necessary installations, updates, and distributions, and
- Performing repetitive tasks, such as checking status on internal or external web site pages.

**\*Important Note:** In order for CSA 4.00 and DMA 10.10 to support the latest version of OO, OO 10.01 is required plus any applicable build patches. In order to ensure top performance, make sure to download and install OO 10.01 and the latest build patch. To find the latest build patch for OO 10.01, go to SSO→Downloads→Software Patches or <http://support.openview.hp.com/selfsolve/patches>, and select Operations Orchestration, scroll down to find and select version 10.01, and then click Search.

### Technical Manuals and White Papers

The following information resources for OO are available for download in PDF format:

- Release Notes (includes What’s New)
- Content Release Notes
- System Requirements
- Concepts Guide
- Installation Guide
- Upgrade Guide
- Studio Authoring Guide
- User Guides:
  - Central
  - Shell
- API Guide
- Extension Developer Guide



## HP Database and Middleware Automation (HP DMA 10.10)

HP Database and Middleware Automation (HP DMA) software automates administrative tasks like provisioning and configuration, compliance, patching, and release management for databases and application servers. When performed manually, these day-to-day operations are error-prone, time consuming, and difficult to scale.

HP DMA automates these administration tasks that take up 60-70% of a database or application server administrator's day. Automating these tasks enables greater efficiency and faster change delivery with higher quality and better predictability. HP DMA provides role-based access to automation content. This enables you to better utilize resources at every level:

- End users can deliver routine, yet complex, DBA and middleware tasks.
- Operators can execute expert level tasks across multiple servers including provisioning, patching, configuration, and compliance checking.
- Subject matter experts can define, enforce, and audit full stack automation across network, storage, server, database, & middleware.

An HP DMA workflow performs a specific automated task—such as provisioning database or application servers, patching database or application servers, or checking a database or application server for compliance with a specific standard. You specify environment-specific information that the workflow requires by configuring its parameters. Related HP DMA workflows are grouped together in solution packs.

### Technical Manuals and White Papers

The following information resources for DMA are available for download in PDF format:

- Release Notes (includes What's New)
- Solution Pack Support Matrix
- Concepts Guide
- Installation Guide
- Upgrade Guide
- Quick Start Tutorial
- Administrator Guide
- Troubleshooting Guide
- User Guides:
  - General
  - Oracle Database Patching
  - Oracle Advanced Database Patching
  - Oracle Database Refresh
  - SQL Server Database Refresh
  - Database Release Management
  - Database Compliance
  - WebSphere 8 Provisioning, WebSphere 7 Provisioning
  - WebSphere 8 Patching
  - WebSphere Configuration Management
  - WebLogic Provisioning
  - WebLogic Patching
  - Sybase ASE Database Refresh
  - JBoss Provisioning
- API Reference Guide
- Integration Guide for HP Operations Orchestration
- White Papers:
  - Standardize Oracle Grid Standalone Provisioning Using HP DMA
  - Standardize Oracle RAC Provisioning Using HP DMA