Hewlett Packard Enterprise

Hybrid Cloud Management – Ultimate Edition

At a Glance

Software version: 2017.01

For Microsoft Windows® and Linux operating systems

Document release date: January 2017

Software release date: January 2017

Contents

Hybrid Cloud Management Ultimate Overview

The Hybrid Cloud Management Ultimate Edition (HCM Ultimate) is an integrated automation and management solution for private and hybrid cloud environments that accelerates transformation of applications and IT service delivery with efficiency and speed. The HCM Ultimate enables IT to provide Infra/App Services and enable deployment by brokering across multiple environments (traditional, private, public, etc.). End-user consumers can be business users through service catalogs, developers and IT operators using APIs or the user interface. HCM Ultimate enables Infra & Ops (I/O) pros to get visibility, governance, and operational control through a single pane of glass UI or programmatically.

Ultimate edition -- provides a complete automation solution with lifecycle management for IT infrastructure and applications, using the following integrated products:

- Cloud Service Automation (CSA) 4.8
- Codar 1.8
- Operations Orchestration (OO) 10.70
- ITBA Virtual Appliance 2017.01
- Cloud Optimizer Premium (CO) 3.01
- UCMDB/UD 10.31
- DMA Premium 10.50
- IT Operations Compliance (ITOC) Ultimate Suite 1.20
- Propel Ultimate 2.2

This **At a Glance** guide describes the HCM Ultimate component products and provides important links to documentation and websites to help get you started:

- Getting started with HCM Ultimate
- System requirements
- HCM supported use cases

Getting started with HCM Ultimate

This section includes a list of all component products used for the Ultimate edition and provides descriptions of each component product with useful links to documentation and websites.

HPE online resources

Document	Link
HPE Software Support	go
HPE Integrations website	go

Cloud Service Automation (CSA) 4.80

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

The CSA subscription, service design, and resource utilization capabilities address three key challenges:

- The CSA Marketplace Portal provides a customer interface for requesting new cloud services and for monitoring and managing existing services, with subscription pricing to meet your business requirements.

- The CSA graphical service design and content portability tools simplify developing, leveraging, and sharing an array of service offerings that can be tailored to your customers' needs.

- The CSA lifecycle framework and resource utilization features ease the complexity of mapping your cloud fulfillment infrastructure into reusable, automated, resource offerings for on-time and on-budget delivery.

Getting started with Cloud Service Automation 4.8

Resource	Link
CSA website	go
Documentation Library	go
Downloads and content on HPE Live Network	go

Codar 1.80

Codar 1.80 introduces the ability to expose topologies, used by other applications, as services in Cloud Foundry. Cloud Foundry is a leading platform as a service offering. Codar 1.80 comes with a service designer which will let users model infrastructure and application deployment topologies in a declarative fashion. These deployment topologies are called service designs. HPE Codar supports deployment of infrastructure over VMWare vCenter and Amazon EC2 while applications can be deployed through OpsCode Chef. The service designer also supports the ability to deploy and test applications as the service designs change and evolve.

Getting started with CODAR 1.80

Resource	Link
Codar website	go
Documentation Library	go

Operations Orchestration (OO) 10.70

Operations Orchestration (OO) is the industry-leading solution for IT process automation and Runbook Automation.

OO is a system for creating and using actions in structured sequences (called flows) which maintain, troubleshoot, repair, and provision your Information Technology (IT) resources by performing the following actions:

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

Getting started in OO 10.70

Resource	Link
OO website	go
Documentation Library	go
Downloads and content on HPE Live Network	go

ITBA Virtual Appliance 2017.01

ITBA Virtual Appliance provides best practice Dashboards, Scorecards, Objectives and Key Performance Indicators (KPIs) that can be tailored as needed. The software also provides automated data gathering through a comprehensive and growing library of integrations and provides easy access to the web or mobile applications with cascading dashboards that meet the needs of various personas.

Resource	Link
Documentation Library	go
Installation Guide	go

Cloud Optimizer Premium (CO) 3.01

Cloud Optimizer Premium (CO Premium), formerly Virtualization Performance Viewer (vPV) is a web-based analysis and visualization tool that analyzes performance trends of elements in virtualized environments. It enables virtualization monitoring by providing an overview of the environment, near real-time and historical data analysis and triaging using an interactive dashboard. It also enables monitoring for cloud and hypervisor environments. CO helps you visualize performance data for elements in the context of each other to rapidly analyze bottlenecks and provides performance monitoring, graphing, and reporting in a single interface.

Note: Two installation formats are available: install and appliance. Patch documentation will be delivered with the patch.

Getting started with CO 3.01

Resource	Link
Cloud Optimizer website	go
Documentation Library	go
Virtual Appliance in the Interactive Installation Guide (zip)	go
CO YouTube Playlist	go
HPE Blog Search	go

UCMDB/UD 10.31

Universal Discovery with UCMDB version 10.31 stores data center resource information such as storage, resource pools, and compute resources. When CSA is integrated with UCMDB, the configuration data is translated or mapped to UCMDB Configuration Items (CIs), attributes, and relationships, and then written into the UCMDB. As CSA consumes the resource capacities during cloud service resource allocation, it updates the both the UCMDB records and the CSA resource pool artifacts.

Getting started with UCMDB/UD 10.31

Resource	Link
UCMDB website	go
Documentation Library	go
Downloads and content HPE Live Network	go

DMA Premium 10.50

HPE Database Middleware and Automation (HPE DMA) ultimate suite 10.50 automates frequently performed data center tasks and processes that tend to be complex, manually intensive, and error-prone. It enables operations teams to automate the repair and maintenance of business critical applications, regardless of platform, version, or vendor. DMA Premium runs on CSA/OO and does not need specific CPU or memory.

To get started with DMA Premium 10.50, see the section *HPE Database and Middleware Automation Premium Edition Documents* in the DMA Documentation Library document.

IT Operations Compliance (ITOC) Ultimate Suite 1.20

ITOC provides cost-effective and continuous IT compliance to unify policy and security management across silos to deliver compliant business services. ITOC is one component of the DCA Premium suite, which provides a holistic, automated approach across the network management domain. For example, ITOC allows you to get the IT compliance information you need, when you need it; increases productivity across IT silos, and decreases time for audit and remediation; and provides easy set up and out-of-the-box policy management content.

To get started with ITOC Ultimate Suite 1.20, see the ITOC Documentation Library document.

Propel Ultimate 2.2

HPE Propel enables IT departments to offer their services in an online shopping experience, similar to what users experience today at popular online retailers. Users may select from a variety of service providers, giving back IT a level of control over the computing environment while allowing their consumers to choose from a wide variety of sources.

Getting started in Propel 2.2

Resource	Link
Propel website	go
Release Notes	go
Installation and Configuration Guide	go
Administration Guide	go

System requirements

This section displays system requirements for the HCM Ultimate version.

Server and Database	CPU	MEM (GB)	DISK (GB)	OS	Notes
CSA 4.8 & OO 10.70 Virtual Appliance (with Postgres (Included with appliance))	8	16	160	CentOS	CSA 4.8 & OO 10.70 Virtual Appliance (Postgres included)
CODAR 1.8 (with Oracle or Postgres or MSSQL)	8	16	150	Windows or Linux	
ITBA 10.10 Virtual Appliance Server (Vertica (Included with appliance))	8	16	150	CentOS	ITBA 10.10 (Virtual Appliance Server (Vertica included); Vertica Database Server; SAP BO Enterprise Server)
ITBA 10.10 Vertica Database Server	8	16	150	CentOS	
ITBA 10.10 SAP BO Enterprise Server	8	16	150	CentOS	
CO 3.01 for 1k Monitored Instances (with Vertica (Included with appliance))	2	4	100	CentOS	
UCMDB Application Server - (2M CI's & Relationships) Small (with Postgres, MSQL 2008/2012, Oracle)	4	16	60	CentOS	For production-use DB's should be physical
UCMDB Probe - (2M CI's & Relationships) Small (with Postgres, MSQL 2008/2012, Oracle)	4	12	100	Windows Server 2008 R2 Enterprise	For production-use DB's should be physical
Propel 2.2 (with Postgres (included with appliance))	4	12	50	CentOS	

HCM supported use cases

This section provides a list of the supported use cases for the Ultimate HCM edition.

Product	Use Case
CSA/OO Appliance	As an HCM Admin, I should be able to create providers, service designs, and service offerings for automated provisioning of private and public cloud services.
	As an HCM Admin, I should have offerings for automated provisioning of infrastructure services private cloud (Vmware, Helion OpenStack) and public cloud (AWS).
	As an HCM consumer, I should be able to consume infrastructure provisioning services available in my catalog.
CODAR	As an HCM Application Release Manager, I should be able to automate application deployment, release pipeline management, and integrated CI/CD.
OO	As an HCM Admin, I need support for Runbook Automation.
ITBA	As an HCM Admin, I should be able to view and report on resource usage across entire platform/Organization.
	As an HCM Admin, I should be able to view and report on show back across entire platform/Organization.
CO	As an HCM Admin, I should be able to view and report on the cloud management platform's infrastructure resources.

Product	Use Case
	As an HCM Admin, I should be able view and report on the cloud management platform's infrastructure resources that I oversee.
	As an HCM Admin, I should be able provision infrastructure services intelligently in my available resources based on capacity analytics.
UCMDB/UD	As an HCM Admin or IT Admin, I should be able to discover my existing resources from public/private cloud and traditional environments.
	As an HCM Admin or IT Admin, I should be able to discover infrastructure and application dependencies in support of cloud services.
	As an HCM or IT Admin, I should be able to automate discovery of infrastructure and applications in support of cloud services.
DMA	As an HCM Admin, I should be able to provision database, middleware on top existing infrastructure using Runbook Automation.
Propel	As an HCM Admin, I want the ability to aggregate and integrate different supplier services.

Send documentation feedback

If you have comments about this document, you can send them to clouddocs@hpe.com.

Legal notices

Warranty

The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

Restricted rights legend

Confidential computer software. Valid license from Hewlett Packard Enterprise required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright notice

© Copyright 2017 Hewlett Packard Enterprise Development LP

Trademark notices

Adobe® is a trademark of Adobe Systems Incorporated.

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

Oracle and Java are registered trademarks of Oracle and/or its affiliates.

UNIX® is a registered trademark of The Open Group.

RED HAT READY™ Logo and RED HAT CERTIFIED PARTNER™ Logo are trademarks of Red Hat, Inc.

The OpenStack word mark and the Square O Design, together or apart, are trademarks or registered trademarks of OpenStack Foundation in the United States and other countries, and are used with the OpenStack Foundation's permission.

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 the following URL and sign-in or register: https://softwaresupport.hpe.com.

Select Manuals from the Dashboard menu to view all available documentation. Use the search and filter functions to find documentation, whitepapers, and other information sources.

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

Support

Visit the Hewlett Packard Enterprise Software Support Online web site at https://softwaresupport.hpe.com.