



Hewlett Packard
Enterprise

Hybrid Cloud Management – Premium Edition

At a Glance

Software version: 2017.01

For Microsoft Windows® and Linux operating systems

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Hybrid Cloud Management Premium Overview

The Hybrid Cloud Management Premium Edition (HCM Premium) is an integrated automation and management solution for private and hybrid cloud environments. Each suite combines HPE's industry-leading software to assist IT organizations in the rapid and consistent provisioning, deployment, and governance of applications, infrastructure, platforms, and applications. The HCM Premium solution increases speed of delivery in a heterogeneous, hybrid cloud environment.

HCM Premium has the following integrated products:

- [Cloud Service Automation \(CSA\) 4.80](#)
- [Codar 1.8](#)
- [Operations Orchestration \(OO\) 10.70](#)
- [ITBA Virtual Appliance 2017.01](#)
- [Cloud Optimizer Premium \(CO\) 3.01](#)
- [UCMDB 10.31](#)
- [DMA Premium 10.50](#)

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

- [Getting started with HCM Premium](#)
- [System requirements](#)
- [HCM supported use cases](#)

Getting started with HCM Premium

This section includes a list of all component products used for the Premium edition and provides descriptions of each component product with 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 4.80

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

Codrar 1.80

Codrar offers a continuous deployment solution that provides automation and release management of complex multi-tier applications across the application lifecycle. Automate the continuous deployment of your applications by using a graphical topology designer, trigger deployments automatically with Jenkins, and embrace existing content from Chef, Docker, Amazon Web Services, and more.

Note: Two installation formats are available: install and appliance.

Getting started with Codrar 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 IT resources by allowing you to perform the following actions:

- Diagnosing and repairing, networks, servers, services, software applications, and individual workstations.
- Deploying, patching, and maintaining applications 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 website pages.

Getting started with 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 allows you to visualize performance data for elements in the context of each other to rapidly analyze bottlenecks. CO provides performance monitoring, graphing, and reporting in a single interface.

Note: Two installation formats are available: install and appliance.

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

Note: Patch documentation will be delivered with the patch.

UCMDB 10.31

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 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.

System requirements

This section displays system requirements for the HCM Premium version.

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

HCM supported use cases

This section provides a list of the supported use cases for the Premium 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 the entire platform/organization.

Product	Use Case
	As an HCM Admin, I should be able to view and report on show back across the entire platform/organization.
CO	As an HCM Admin, I should be able to view and report on the cloud management platform's infrastructure resources.
	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.

Send documentation feedback

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

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

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- 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.

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