Hewlett Packard Enterprise

Hybrid Cloud Management – Express 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 Express overview

Hybrid Cloud Management Express Edition (HCM Express) offers complete lifecycle management for bare-metal, operating systems, virtual machines, and containers. HCM Express provides a solution that allows you to build your private cloud and then expand into public and managed clouds using the following integrated products:
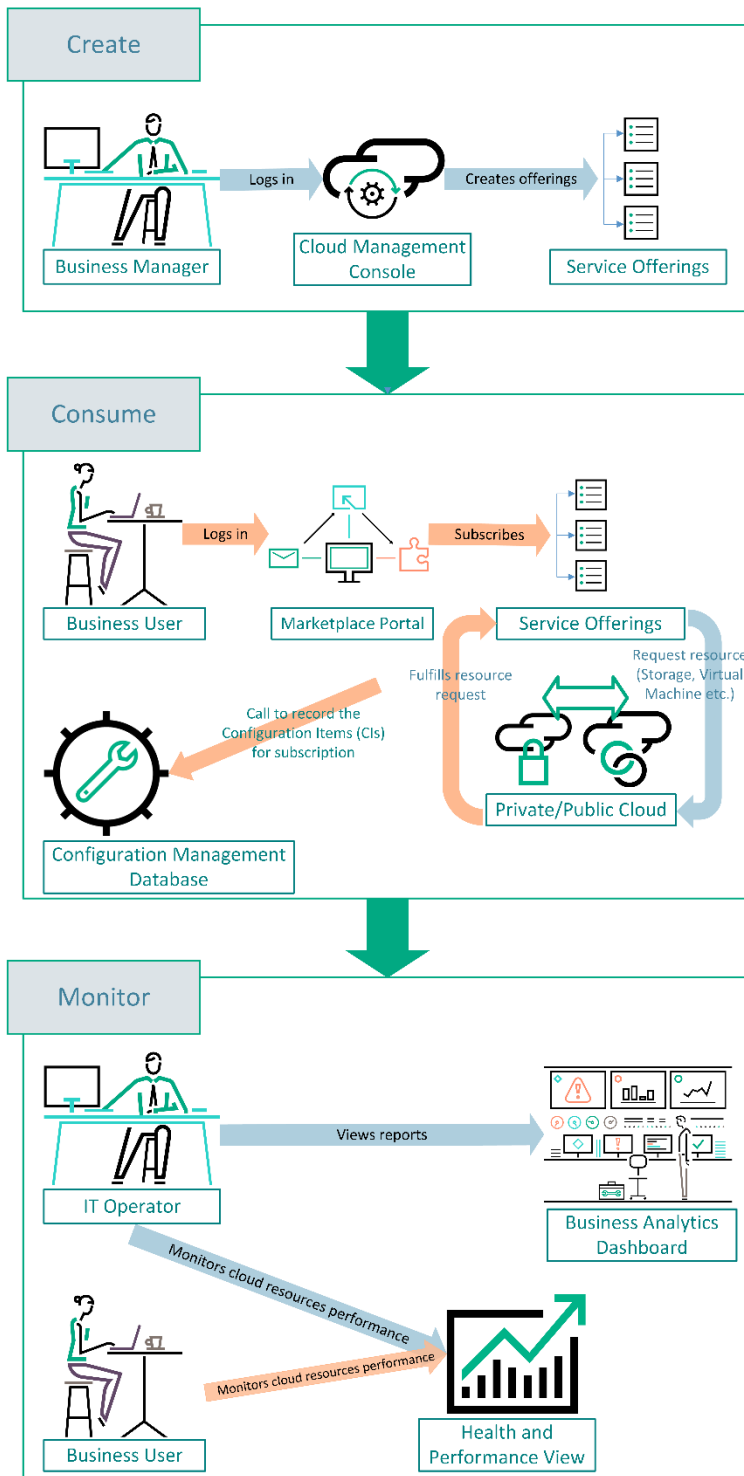
- Cloud Service Automation (CSA) 4.80
- Operations Orchestration 10.70
- ITBA Virtual Appliance 2017.01
- Cloud Optimizer Premium (CO) 3.01
- UCMDB 10.31

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

- What can you do with HCM Express?
- Getting started with HCM Express
- HCM Express system requirements

What can you do with HCM Express?

HCM Express helps you to create service offerings and facilitates the subscribers to consume those offerings from private, public and managed clouds. The following diagram illustrates how HCM helps you with this task.

Getting started with HCM Express

This section includes a list of all component products used for the Express 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

Operations Orchestration 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

Resource	Link
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.

Getting started with ITBA Virtual Appliance 2017.01

Resource	Link
Documentation Library	go
Installation Guide	go

Cloud Optimizer Premium (CO) 3.01

Cloud Optimizer Premium (CO Premium) 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 of cloud and hypervisor environments. CO Premium helps you visualize performance data for elements in the context of each other to rapidly analyze bottlenecks. CO Premium 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

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

HCM Express system requirements

Server(s)	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)
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

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- Software Version number, which indicates the software version.
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