

FEBRUARY 2017

HYBRID CLOUD ASSESSMENT

Prerequisites Checklist

Overview

This VMware® Hybrid Cloud Assessment (HCA) Prerequisites Checklist provides a series of checks to help you prepare the environment before starting an assessment engagement with a Sales Engineer (SE). The checklists allow the SE to install and configure the required components *efficiently*.

The following products are utilized in the HCA

- VMware vSphere®
- VMware vCenter™ Server™
- VMware vRealize Business for Cloud™
- VMware vRealize Operations™ (Optional)

The HCA can be run in combination with the vSphere Optimization Assessment. It is not required to perform the VOA in order to perform the HCA or vice versa. However, be aware that running the Hybrid Cloud Assessment without vRealize Operations will not provide the resource reclamation cost savings in the Cloud Business Analysis report.

Working Environment Prerequisites

Verify that the following items are ready before the SE arrives onsite and that the items are available for the duration of the engagement:

Customer personnel are available to participate during the knowledge transfer and design workshops.

Projector.

Client desktop or laptop with a supported web browser that has access to the environment being built.

Internet access that allows for use of a VPN client is recommended. VPN access facilitates access to the resources and assistance for any needed troubleshooting and might reduce the total time required for the assessment engagement.

For vRealize Business for Cloud, a license key and product download can be obtained via registration for the HCA at <http://www.vmware.com/go/try-hca-en>. Licensing for vRealize Operations is accomplished using Evaluation Mode, which provides full features for 60 days.

HCA Prerequisites Checklist

The checklist items in the following table help to verify that the necessary prerequisites for vRealize Business for Cloud are available in the customer infrastructure and that they are ready before the VMware consultant arrives onsite.

Minimum Requirements

VMware distributes vRealize Business for Cloud as a virtual appliance in OVA file format. Various resources and applications must be available for the virtual appliance to run successfully. The vRealize Business for Cloud virtual appliance must be deployed on an ESX/ESXi host version 5.0 or later. vRealize Business for Cloud can collect from VMware vCenter Server 4.1 U1 or later.

For the Hybrid Cloud Assessment, vRealize Business for Cloud is normally installed in standalone mode. If integration with vRealize Automation or VMware Identity Manager is required, refer to product documentation.

Virtual Hardware

The appliance is a fixed size and requires the following virtual resources:

Table 2. vRealize Business for Cloud Prerequisites

Done	Task
	Refer to <i>Download vRealize Business for Cloud</i> (Download OVA).
	4 vCPUs 8GB RAM 50GB of disk space
	One IPv4 addresses (static allocation preferred)
	vSphere Web Client - Client Integration Plug-in
	A read-only user on vCenter to perform data collection. Create a clone of the Read-only role in vCenter Include the Storage views.View and Profile-driven storage.Profile-driven storage view permission to the cloned role If you have integrated vCenter Server with VMware vRealize Operations, include the Global.vCenter Operations User and Global.vRealize Operations Read Only permission to the cloned role Create a user in vCenter Server for vRealize Business for Cloud and assign this cloned role to the user
	Add DNS record for vRealize Business for Cloud and test before deploying OVA

HYBRID CLOUD ASSESSMENT PREREQUISITES CHECKLIST

Default Port Access Requirements for vRealize Business for Cloud*

Port Number	Description
22 (SSH)	Used for SSH access to the vRealize Business for Cloud virtual appliance.
443 (HTTPS)	For data collection from multiple systems.
5480 (HTTPS)	Appliance web management interface.
10443 (HTTPS)	Mobile clients and vCenter Inventory service (default port for inventory service).

*If remote collectors will be used, other port requirements apply. Please review the product documentation for more information.

Optional Checklist for vRealize Operations

If you are going to install vRealize Operations to gain additional insight on HCA cost savings, this checklist will help you prepare.

Minimum Requirements

VMware distributes vRealize Operations as a virtual appliance in OVA file format. Various resources and applications must be available for the virtual appliance to run successfully. Use a VMware vSphere Client to connect to a VMware vCenter Server, and deploy the vRealize Operations virtual appliance through the vCenter Server. The vRealize Operations virtual appliance must be deployed on an ESX/ESXi host version 5.5 or later that is managed by VMware vCenter Server 5.5 or later.

Virtual Hardware

During deployment of the vRealize Operations virtual appliance you can select different sizes according to the environment size. The **small** configuration requires the following virtual resources:

Table 1. vRealize Operations Prerequisites

Done	Task
	Refer to <i>Download VMware vRealize Operations</i> (Download OVA).
	The following are the requirements for an installation capable of handling up to 2400 virtual machines/objects (small installation). For full sizing info: Sizing Guidelines 4 vCPUs 16GB RAM For complete resources requirements, see the spread sheet attachment Sizing the vRealize Operations Virtual Appliance
	One IPv4 addresses (static allocation preferred) for vRealize Operations in a vApp deployment. If IPv6 is required, consult the vRealize Operations documentation.
	vSphere Web Client - Client Integration Plug-in
	An administrator user account on vCenter to perform registration.
	A read-only user on vCenter to perform data collection. This should be dedicated to vRealize Operations and not shared with others.
	Add DNS record for vRealize Operations and test before deploying OVA

HYBRID CLOUD ASSESSMENT PREREQUISITES CHECKLIST

Default Port Access Requirements for vRealize Operations*

Port Number	Description
22 (TCP)	Used for SSH access to the vRealize Operations cluster.
80 (TCP)	Redirects to port 443.
123 (UDP)	Used by vRealize Operations for Network Time Protocol (NTP) synchronization to the master node.
443 (TCP)	Used to access the vRealize Operations product user interface and the vRealize Operations Administrator interface.
10443 (TCP)	Used by vRealize Operations to communicate with the vCenter Server Inventory service.

*If installing vRealize Operations in a cluster, consult product documentation for additional port requirements.

HYBRID CLOUD ASSESSMENT PREREQUISITES CHECKLIST

