

# VSPHERE OPTIMIZATION ASSESSMENT

Prerequisites Checklist

# VSPHERE OPTIMIZATION ASSESSMENT PREREQUISITES CHECKLIST

## Overview

This VMware® vSphere Optimization Assessment (VOA 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 VOA

VMware vSphere®

VMware vCenter™ Server™

VMware vRealize Operations™ Standard or above

The VOA can be combined with the Hybrid Cloud Assessment to provide business context and cost information. 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.

Licensing for vRealize Operations is accomplished using Evaluation Mode, which provides full features for 60 days.



## VOA Prerequisites Checklist

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

### 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> ( <a href="#">Download OVA</a> ).
	The following are the requirements for an installation capable of handling up to <b>2400</b> virtual machines/objects (small installation). For full sizing info: <a href="#">Sizing Guidelines</a> 4 vCPUs 16GB RAM For complete resources requirements, see the spread sheet attachment in the attachment section of <a href="#">sizing guidelines</a> - 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 <a href="#">vRealize Operations documentation</a> .
	vSphere Web Client - <a href="#">Client Integration Plug-in</a>
	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



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## 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.

