

VMWARE PRE-REQUISITES CHECKLIST

vSphere Optimization Assessment (VOA)

Pre-requisites Checklist

- vSphere with Operations Management or vRealize Operations Manager
- vRealize Log Insight (Optional)

Modul 1 - VOA

Overview

This *VMware® VSphere Optimization Assessment Checklist* provides a series of checks to help you prepare the environment before starting a VMware vRealize Operations Insight vSphere Optimization Assessment (VOA) 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 Manager™
- vRealize Log Insight 2.5.0 (optional)

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:

- 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 VOA engagement.

vRealize Operations Manager

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

VMWARE PRE-REQUISITES CHECKLIST

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Minimum Requirements

VMware distributes Operations Manager 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 Manager virtual appliance through the vCenter Server. The vRealize Operations Manager virtual appliance must be deployed on an ESX/ESXi host version 4.0 or later that is managed by VMware vCenter Server 4.0 Update 2 or later.

Virtual Hardware

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

Table 1. vRealize Operations Manager Prerequisites

Done	Task
<input type="checkbox"/>	Refer to <i>Download VMware vRealize Operations Management Suite</i> (Download OVA).
<input type="checkbox"/>	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 <ul style="list-style-type: none"> • 4 vCPUs • 16GB RAM • For complete resources requirements, see the spread sheet attachment Sizing the Operations Manager Virtual Appliance
<input type="checkbox"/>	One IP addresses (static allocation preferred) for vRealize Operations Manager in a vApp deployment.
<input type="checkbox"/>	vSphere Web Client - Client Integration Plug-in
<input type="checkbox"/>	A read-only user on vCenter to perform data collection. This should be dedicated to vRealize Operations Manager and not shared with others.

Default Port Access Requirements for vRealize Operations Manager

Port Number	Description
22 (TCP)	Used for SSH access to the vRealize Operations Manager cluster.
80 (TCP)	Redirects to port 443.
123 (UDP)	Used by vRealize Operations Manager for Network Time Protocol (NTP) synchronization to the master node.
443 (TCP)	Used to access the vRealize Operations Manager product user interface and the vRealize Operations Manager administrator interface.
1235 (TCP)	Used by all nodes in the cluster to transmit resource data and key-value data for the Global xDB database instance.

VMWARE PRE-REQUISITES CHECKLIST

vSphere Optimization Assessment (VOA)

vRealize Log Insight

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

Minimum Requirements

VMware distributes Log Insight as a virtual appliance in OVA file format. Various resources and applications must be available for the virtual appliance to run successfully.

Virtual Hardware

During deployment of the Log Insight virtual appliance you can select different sizes according to the ingestion requirements for the environment. An extra small configuration is the smallest supported configuration and can support log volumes of 3GB a day for about 10 users. The **extra small** configuration requires the following virtual resources:

Table 2. vRealize Log Insight Prerequisites

Done	Task
<input type="checkbox"/>	vRealize Log Insight virtual appliance. Refer to <i>Download VMware vRealize Log Insight 2.5.0 Download Log Insight Virtual Appliance</i> .
<input type="checkbox"/>	<ul style="list-style-type: none"> • 2 vCPUs, 2GHz each • 4GB RAM • Approximately 144GB storage space - For complete resources requirements based on ingestion requirements, see Sizing the Log Insight Virtual Appliance • 1 Gbps network
<input type="checkbox"/>	1 static IP address
<input type="checkbox"/>	Software requirements: <ul style="list-style-type: none"> • vSphere 5.5 (VMware vSphere Web Client and VMware vCenter Single Sign-On™ must be installed for vSphere 5.5.) • vSphere Web Client 5.5. • vCenter administrator credentials.
<input type="checkbox"/>	Confirm that the ports that are required to operate are opened. See <i>TCP and UDP Ports required</i>): (http://kb.vmware.com/kb/1012382).
<input type="checkbox"/>	Supported Browsers – <i>Important</i> - Cookies must be enabled in your browser. <ul style="list-style-type: none"> • Mozilla Firefox 10.x, 19.x, 20.x, 21.0, 23 and 29.0.1, Safari 6.0 , 7.0.2, Google Chrome 25.x, 26.x, 27.x, 29 and 34, Internet Explorer 10.x and 11.x • Note: Internet Explorer Document mode must be set to Standards Mode. Other modes are not supported. Browser Mode: Compatibility View is not supported.

VMWARE PRE-REQUISITES CHECKLIST

vSphere Optimization Assessment (VOA)

Default Port Access Requirements for vRealize Log Insight

Port Number	Protocol
80/TCP	HTTP
443/TCP	HTTPS
514/UDP, 514/TCP	Syslog
1514/TCP	Syslog
9000/TCP	Log Insight Ingestion API

Modul 2 - HCI

Which versions of ESXi are supported by VMware Infrastructure Planner for vSAN Assessments?

Versions 5.5 U1 and above are supported. VMs on ESX/ESXi hosts with a lower version number won't be analyzed by the collector appliance.

What network access do ESXi hosts require for a vSAN Assessment?

ESXi hosts that are running VMs to be analyzed use HTTP to download VIB from the collector appliance. Therefore, outgoing HTTP/TCP access on port 80 must be enabled. See the installation guide for detailed instructions.

Where should I deploy the collector appliance for a vSAN Assessment?

The collector appliance can be deployed on any host that has network access to the vCenter containing the VMs to analyze. The collector appliance must also be reachable by HTTPS (TCP port 443) by all hosts that are running the VMs to analyze, so that they may download the VIB from the collector appliance.

More at <https://vip.vmware.com/help/faq>