



Avaya COM-VPS Appliance (OVA) 3.1 Release Notes

Aug 12th, 2014

Issue 1

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Virtualization

Each virtual appliance has its own ordering code. Note that each instance of a virtual appliance must be ordered separately. If the end-user customer or Business Partner wants to install two of the same type of virtual appliances, then two virtual appliances of that type must be ordered.

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Introduction

Purpose

This document provides procedures for deploying and using the COM-VPS Appliance. This document includes deployment / installation, configuration, known issues and limitations.

Intended Audience

The primary audience for this document is anyone who is involved with deployment of Avaya COMVPS Appliance. The audience includes, but is not limited to, implementation engineers, field technicians, business partners, solution providers, and customers. This document does not include optional or customized aspects of a configuration.

It is assumed that the user of this document is aware of Avaya Configuration Orchestration Manager and / or Avaya Virtualization Provisioning Service and the basic workings of VMware vCenter and ESXi.

About Avaya Configuration and Orchestration Manager (COM)

Avaya Configuration and Orchestration Manager is a real-time web-based network management solution that offers best-in-class configuration, provisioning and troubleshooting for a wide range of network devices and technologies.

Designed to support multiple users, the topology-driven Avaya Configuration and Orchestration Manager is ideal for companies that want a cost-effective, easy-to-use and easy-to-manage solution that simplifies configuration and device provisioning.

About Avaya Virtualization Provisioning Service (VPS)

The Avaya Virtualization Provisioning Service is a management tool that automatically synchronizes the network to react to changes in the compute environment - increasing IT efficiency, reducing time to service and ensuring consistent application performance - in a highly dynamic, virtualized data center environment.

Highlights of VPS:

- Automates service provisioning within the data center
- Provides insight into the entire Virtual Machine (VM) lifecycle from activation, to mobility, to deletion
- Gives an end-to-end view of the virtualized data center including applications, servers and network devices across both physical and virtual environments
- Provisions network devices to “follow” VMs as they migrate between servers
- Applies connectivity services and port profiles (QoS, ACLs) to edge devices at an individual VM level
- Provides historical reporting and tracking on VM moves and network provisioning

Enables network and server teams to work more efficiently and smarter together

Avaya COMVPS Appliance (VMware OVA)

The COMVPS Open Virtual Appliance (OVA) is a pre-configured virtual machine image of both COM r3.1 & VPS r1.1, ready to run on a VMware based hypervisor.

The COMVPS OVA are intended to eliminate the installation, configuration and maintenance costs associated with running complex stacks of software.

Terminology

Term	Description
Appliance	A single hardware server that can contain one or more virtual machines.
Avaya Application	A software solution developed by Avaya that includes a guest operating system. This may be provided on an appliance/blade/server.
COM	Configuration and Orchestration Manager
DRS	Distributed Resource Scheduler. VMware feature to intelligently place workloads based on available resources.
HA	High Availability. VMware High Availability is for failover of ESXi hosts. Since the entire host fails over, it might involve several applications or VMs.
Migration	A migration consists of a specific subset of upgrades you perform when you move a customer from one product to another. Migration may also require the customer to obtain new hardware.
OVA	Single-file version of an OVF
OVF	Open Virtualization Format
SMGR	System Manager
SSH	Secure Shell Protocol
Upgrade	The process of taking a product from one release to a higher release.
vAppliance	A VMware based hypervisor supporting a single software Application, where the hypervisor is VMware ESXi. It supports a single virtual machine running the single virtualized software Application instance, such as CM and the guest OS.
vApplication	A logical entity comprising one or more virtual machines, which uses the industry standard Open Virtualization Format (OVF) to specify and encapsulate all components of a multi-tier Application as well as the operational policies and service levels associated with it. The vApplication is sometimes referred to as a vApp. For example, the first single virtualized software Application instance may include Avaya Communication Manager (CM) and the guest OS, and a second single virtualized software Application instance may include Session Manager (SM) and the guest OS.
vCenter	vCenter is an administrative interface from VMware for the entire virtual infrastructure or datacenter, including VMs, ESXi hosts, deployment profiles, distributed virtual networking, hardware monitoring, etc.
VM	Virtual Machine
vMotion	A VMware feature that allows moving of a workload to another compute resource without losing connectivity.
VMware Fault Tolerance (FT)	A VMware feature that provides for automatic and non-service-affecting failover when the primary compute resource (host) fails.
VMware High Availability (HA)	A high availability feature of VMware's vCenter that restarts an application on another host automatically if the original host system fails.
VPS	Virtualization Provisioning Service

Hardware and Software requirements

Hardware Requirements

The OVA is currently available for VMware environment only:

1. Directly on ESXi 5.1 or ESXi 5.5 using vsphere client
2. Using VMware vCenter 5.1 or 5.5.

Hardware Configuration:

Following VM configuration is recommended for COM-VPS OVA:

HW Component	Minimum	Recommended
CPU	Quad-core 2GHz (4 vCPU)	Quad-core 2GHz (4 vCPU)
Memory	8 GB	10 GB
Free Disk Space	100 GB	100 GB

Client Requirements

Browser	Version
Internet Explorer (IE)	Versions 8, 9 and 10
FireFox (FF)	Versions 19, 20 and 21

Other software requirements

- vSphere client

Avaya COMVPS Appliance Release Notes

Release Content

COM r3.1 / VPS r1.1 is a major release that uses a new platform based on Aura System Manager and also adds several new features and device support.

Important!

- **COM r3.1 / VPS r1.1** OVA is supported on RHEL 5.7 64-Bit OS only.
- The OVA can be installed only as a Primary SMGR-CS server.

General Checklist for OVA Deployment:

- ✓ Download the OVA & verify the checksum.
- ✓ Is COM r3.1 License available?
- ✓ Is VPS r1.1 required? If yes, check if the License is available?
- ✓ Does the hypervisor have enough resources for deployment?

Information on OVA:

1) Logging on to System Manager(COM-VPS) Web Console

This login information applies only to users with user name **admin**.

- After installation, when you log on to the system for the first time to System Manager, enter **admin123** as the default password.

The system displays the Forced Change Password page. The Forced Change Password page does not contain the Cancel button. You must change the password when you log on to the system using the default password.

- If you gain access to System Manager using the IP address and you log on to the system as admin for the first time, click Change Password to change the password

2) Logging on to COM-VPS Virtual Machine using SSH session

- Use username as "**admin**" and password as "**admin**" to gain access to the COM-VPS virtual machine command line interface
- By default direct root login SSH is disabled in the COM-VPS VM
- The root password is '**Avaya_123**'

General Instructions:

- Please read this Release Notes completely before installing the COM-VPS OVA.
-

Software Distribution

The COMVPS Appliance is available as VMware OVA:

Name	COM-3.1-B68-20140811-21.ova
Checksum	88746a389f7f5db4a06dc2928f814a0381d3cb0e (SHA1SUM) 3079905032 2515015680 (cksum)
Size	2.3 GB

Licensing

Please obtain the COM r3.1 & VPS r1.1 license before you can begin the deployment of the OVA.

A trial license (valid usually for one-month) can be obtained either from Avaya Support website (in the Products -> Network Management section) or by sending email to ucmtrial@avaya.com.

Deployment Procedure

Deploy the COMVPS OVA file by using one of the following methods:

- Using vSphere
- Using vCenter

1.1. Installing the COMVPS OVA file by using vSphere Client

Before you begin

Install vSphere Client.

Procedure

1. Start vSphere Client.
2. Enter the IP address and the user credentials for the ESXi host. Ignore any security warning that the system displays.
3. On vSphere Client, click **File > Deploy OVF Template**.
4. In the Deploy OVF Template dialog box, perform one of the following steps:
 - In the **Deploy from a file or URL** field, enter the path to the .ova file.
 - Click **Browse** and navigate to the .ova file from the local computer, network share, CD-ROM, or DVD
5. On the OVF Template Details page, verify the details, and click **Next**.

- 6 On the End User License Agreement page, click **Accept**.
- 7 Click **Next**.
- 8 **(Optional)** On the Name and Location page, in the **Name** field, change the name for the virtual machine.
- 9 Click **Next**.
- 10 On the Host page, select the required data store and then click **Next**.
- 11 On the Disk Format page, click **Thick Provision Lazy Zeroed**. The system displays the data store that you selected and the available space.
- 12 On the Network Mapping page, for each network that you specified in the OVA Template Details page, in the **Destination Network** column, select a host network from the list.
For example, click VM Network 2.
- 13 Click **Next**.
- 14 Review the settings and click **Finish**.
Wait until the system deploys the OVA file successfully.
- 15 To start the COMVPS virtual machine, perform one of the following steps:
 - Right-click the virtual machine, and click **Power > Power On**.
 - On the **Inventory** menu, click **Virtual Machine > Power > Power On**.
 The system starts the COMVPS virtual machine

Next steps

- When the system starts for the first time, configure the parameters for COMVPS. For instructions, see configuring the network parameters from the vSphere console.
- Verify the deployment of the COMVPS OVA file.

1.2. Installing the COMVPS OVA file by using vCenter Client

Before you begin

Install vSphere client.

Install vCenter server and connect vSphere Client to vCenter.

Procedure

1. Start vSphere Client.
2. Enter the IP address and the user credentials for the vCenter server.
Ignore any security warning that the system displays.
3. On vSphere Client, click File > Deploy OVF Template.
4. In the Deploy OVF Template dialog box, perform one of the following steps:
 - In the Deploy from a file or URL field, enter the path to the .ova file.
 - Click Browse and navigate to the .ova file from the local computer, network share, CD-ROM, or DVD.
5. On the OVF Template Details page, verify the details, and click Next.
6. On the End User License Agreement page, click **Accept**.
7. Click **Next**.
8. **(Optional)** On the Name and Location page, in the **Name** field, change the name for the virtual machine.
9. In the Inventory Location area, select the datacenter and **click Next**.
10. If the cluster exists, select the cluster and **click Next**.
11. Select the specific host within the cluster and **click Next**.
12. On the Storage page, select the required data store and **click Next**.
13. On the Disk Format page, click Thick Provision Lazy Zeroed.
The system displays the data store that you selected and the available space.
14. On the Network Mapping page, for each network that you specified in the OVA Template Details page, in the Destination Network column, select a host network

from the list.

For example, click VM Network 2.

15. On the Properties page:

a. Configure the following network parameters:

- **IP.** The IP address of the COMVPS virtual machine.
- **Netmask.** The Subnet mask of the COMVPS virtual machine.
- **Default Gateway.** The IP address of your default gateway.
- **DNS IP.** The IP address of your DNS server. Separate IP addresses with commas (,).
- **Short Hostname.** The hostname of the COMVPS virtual machine. For example, comvm.
- **Domain Name.** The domain name of the COMVPS virtual machine. For example, platform.mydomain.com.
- **Default Search List.** The search list of domain names
- **Time Zone.** The time zone. Select a time zone from the list.

15. On the Properties page:

3. Click **Next**.
4. Review the settings and click **Finish**.
5. Wait until the system deploys the OVA file successfully.
6. To start the COMVPS virtual machine, perform one of the following steps:
 - i. Right-click the virtual machine, and click **Power > Power On**.
 - ii. On the **Inventory** menu, click **Virtual Machine > Power > Power On**.
7. The system starts the COMVPS virtual machine.
8. Click the **Console** tab and verify that the system startup is successful.

Next steps

- COMVPS Post deployment configuration takes approximately 30 minutes to complete from the time Virtual Machine is power on.
- Verify the deployment of the COMVPS OVA file.

Configuring the network parameters from the vSphere console:-

Before you begin

- Deploy the COMVPS virtual machine OVA file.
- Start the COMVPS virtual machine.
- To reach the COMVPS CLI, open vSphere Client and click the **Console** tab or the icon.

About this task

COMVPS virtual machine collects the network parameters when first started. Enter the network parameters at the system prompt when first started.

Procedure

At the prompt, enter the following network parameters:

- **IP.** The IP address of the COMVPS virtual machine.
- **Netmask.** The subnet mask of the COMVPS virtual machine.
- **Default Gateway.** The IP address of the COMVPS virtual machine gateway For example, 172.16.1.1.
- **Short Hostname.** The host name of the COMVPS virtual machine. For example, comvm.
- **Domain name.** The domain name of the COMVPS virtual machine. For example, platform.mydomain.com.

- **DNS IP.** IP address of your DNS server. Use comma (,) to separate multiple IP addresses. The field is optional
- **Default Search List.** The search list of domain names. The field is optional
- **Time Zone.** From the lists that the system displays, select the name of the continent and the name of the country.
- Type Y to confirm the network parameters. This step completes the system boot up and starts the network parameters configuration.

Next steps

- COMVPS Post deployment configuration takes approximately 30 minutes to complete from the time of Virtual Machine is powered on.

Verifying the deployment of System Manager:

You must perform the following verification procedure after you install the System Manager OVA file and configure System Manager.

Before you begin

Log on to COMVPS Web Console using admin credentials.

Procedure

In the Web browser, enter `https:// <FQDN of COMVPS>`.
FQDN is the fully qualified domain name of System Manager.
The system must display System Manager Web Console.

Post-Deployment Procedure

You can restore any old data of COM / VPS (Primary Only) after the deployment of the OVA. Please follow the restore steps as in the COM / VPS Release note.

Known Problems and Workarounds

None.