



Release Notes for Cisco Virtual Media Packager Release 2.9.3

Last Updated: July 2018

This publication describes the requirements, dependencies, and caveats for the Virtual Media Packager (VMP) System Release 2.9.3.

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Introduction

Cisco Virtual Media Packager (VMP) is an application component of the Cisco Virtualized Video Processing (V2P) solution. V2P provides an open, programmable, scalable, and extensible platform for rapid innovation. It allows you to support video processing applications in your headend and data centers without being tied to the operational features of the underlying infrastructure.

VMP provides linear and just-in-time packaging capabilities required by OTT services such as live streaming, VOD, and cloud DVR. It uses the latest virtualization and cloud orchestration technology. VMP lets you elastically instantiate and scale critical media functions independently for deployment flexibility. You can prepare and originate media for distribution to the latest HTTP ABR streaming clients on mobile devices, set-top boxes (STBs), and PCs or laptops.

New Features

This release of VMP incorporates no new feature enhancements over prior releases, but does resolve certain caveats. For details, see [Caveats, page 4](#).

Refer to the *Cisco Virtual Media Packager User Guide - Software Version 2.9* for complete feature descriptions.

System Requirements

External Servers

Configuring external DNS, NTP servers is mandatory for all VMP components (MCE, AppEngines, CLS, and MPE).

Cisco UCS

All of the VMP components run on top of VMware on Cisco Unified Computing System (UCS) B200 M3 Blade Servers. For information about running the VMP components on other types of servers, contact your Cisco representative.

System Requirements

The following table shows the minimum UCS hardware requirements for the VMP:

Part Number	Description	Quantity
UCSB-B200-M3-U	UCS B200 M3 Blade Server w/o CPU, mem, HDD, mLOM/mezz (UPG)	4
UCS-CPU-E52680B	2.80 GHz E5-2680 v2/115W 10C/25MB Cache/DDR3 1866MHz	2 (Total 40 CPUs)
UCS-MR-1X082RY-A	8GB DDR3-1600-MHz RDIMM/PC3-12800/ dual rank/1.35v	16 (Total 128 GB)
A03-D600GA2	600GB 6Gb SAS 10K RPM SFF HDD/hot plug/ drive sled mounted	2 (1200 GB total disk space available)
UCSB-MLOM-40G-01	VIC 1240 modular LOM for M3 blade servers	2
UCSB-HS-01-EP	Heat Sink for UCS B200 M3 server	2

VMware, vCenter, vSphere

VMP support for VMs requires the following virtualization software programs and releases:

- VMware ESXi hypervisor version 6.0, Update 3, build 5050593 or later
- VMware vCenter version 6.0 or later
- VMware vSphere version 6.0 or later

VM System Resources

We recommend the following minimum system resources for VMP VMs:

VMP Component	CPUs	RAM	Hard Drive	Network Interfaces
PAM	4	16 GB	32 GB	1 Ten 10GEthernet
CLS Large	12	48GB	256 GB	3 Ten 10GEthernet (only 1 used)
MCE-Worker	8	32 GB	32 GB	3 Ten 10GEthernet (up to 3 used)
MPE	8	32GB	32 GB	3 Ten 10GEthernet (up to 3 used)
AppEngines	8	32GB	32 GB	3 Ten 10GEthernet (up to 3 used)

The log server can be one of three sizes:

- VMP_LOG_SMALL uses a 32GB and 64 GB drive (total VMs in VMP system < 10)
- VMP_LOG_MEDIUM uses a 32GB and 512 GB drive (total VMs in VMP system < 100)
- VMP_LOG_LARGE uses a 32GB and 1TB drive (total VMs in VMP system < 200)

Installing VMP

These recommended minimum system resource numbers are based on the following assumptions:

- Hyper-threading is enabled in the ESXi compute nodes.
- There is no virtual CPU oversubscription. That is, the recommended number of virtual CPUs is the same as the number of actual physical cores.

These numbers include VMware overhead. You might need to adjust these numbers, based on your specific deployment.

VMP Service Manager GUI Requirements

The VMP Service Manager GUI can run on the following operating systems and browsers:

- Windows Internet Explorer 9 (IE9) or later for Windows 7
- Mozilla Firefox 20 or later for Windows 7
- Google Chrome 30.x for Windows 7
- Apple Safari 7.x for Windows 7 or MAC OS Version 10.9 or later

The VMP Service Manager GUI requires a display resolution of 1600 x 900 or better.

VMP Software Components

VMP 2.9.3 software components and build numbers at initial release are as follows:

Component	File Name
VMP 2.9.3 CentOS7 Image	2.9.3-cisco-mos-centos7-caspar.22149.ova
VMP 2.9.3 Repo Bootstrap RPM File	cisco-mos-repo-bootstrap-2.4.1-23447.x86_64.rpm
VMP 2.9.3 Minimal Repo Bootstrap RPM	cisco-mos-minimal-bootstrap-2.4.1-23447.x86_64.rpm
VMP 2.9.3 OVA Image	2.9.3-cisco-mos-caspar.23447.b21.ova
VMP 2.9.3 ISO Image	2.9.3-cisco-mos-caspar.23447.b21.iso

Installing VMP

For information about installing the VMP software and deploying the VMs, see the *Cisco Virtual Media Packager User Guide - Software Version 2.9*.

Caveats

Caveats

This section provides a list of open and resolved caveats for this release. This list is not intended to be comprehensive. If you have questions about a particular defect, contact your account representative.

Note: Defects are identified by a case tracking number (Defect ID) and a headline that briefly identifies the case. The headlines in this section are presented exactly as they appear in the issue tracking system.

Resolved Caveats

Defect ID	Headline
CSCvi46254	DASH playout failing on Firefox 59
CSCvj72240	porting AAC fix code to 2.9.3

Related Documentation

VMP Documentation

Refer to the following documents for additional information about *VMP*:

- *Cisco Virtual Media Packager User Guide - Software Version 2.9*
- *Cisco Virtual Media Packager Release 2.9 API Guide*
- *Open Source Used in VMP 2.9.0*

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