



Engage The Power of We™

Advantages of UC Virtualization with Avaya

Avaya Aura on VMware

Provides full Avaya UC services on customer provided hardware

- Easy expansion of existing Avaya Aura installations to extend scale and features
- Migration to latest release level without additional Avaya appliances
- Support for legacy equipment as well as SIP based infrastructure
- Mobile Collaboration solution on virtual machines for extended remote worker features
- Expanded support for Call Center options on VMware

Flexible deployment options

- Avaya Aura UC applications in multiple formats: software only, hardware appliances, turnkey Collaboration Pod for Enterprise Communications
- Flexible resource specifications scale to multiple user configurations
- VMware architecture enables managed movement of Avaya Aura applications as VMs for maintenance, administration, support, traffic, emergencies

Management/Reliability

- Avaya Aura applications support survivable core, software duplication, and VMware High Availability
- Avaya Secure Access Link (SAL) supported as a virtual machine provides an on-demand, high speed SSL link for detailed data logging and audits with extensive customer control mechanisms and policy capabilities.

Avaya Aura® Virtualized Environment

Industry leading Avaya Aura® Unified Communications applications installable as VMware virtual machines

Real-time applications and the virtualized network

Virtualization of any enterprise's server infrastructure offers benefits in hardware consolidation and system management. The network environment is changing, the model for server infrastructure is becoming one of not just better utilization of hardware but also sharing the hardware over multiple individual applications. Avaya provides a major step forward in the virtualization of the communications environment with the integration of real-time Avaya Aura® applications and VMware* virtualized server architecture.

Avaya Aura platform provides one of the leading UC collaboration solutions for the midsize and large enterprise

Avaya Aura Unified Communications (UC) solutions enable mobile and video collaboration for the enterprise. The benefits for customers are obvious — the Avaya Aura Platform provides better business collaboration, better mobility solutions, better video communications, better Bring Your Own Device (BYOD) — UC communications designed to accelerate any business. Avaya Aura Virtualized Environment provides a valuable tool to support the extension of the Avaya Aura platform when moving from a private network to a hybrid or Cloud-based solution. Avaya Aura VE offers the advantages of Avaya UC collaboration within a virtualized server arrangement while meeting all requirements for true real-time performance.

Avaya Aura Virtualized Environment

Traditionally the Avaya Aura® infrastructure has been sold as an individual appliance, servers tested and programmed by Avaya, installed within customer's networks to offer excellent collaboration capabilities and business advantages. Avaya Aura Virtualized

Environment (Avaya Aura VE) offers another deployment option for UC users. For existing customers that have a VMware IT infrastructure Avaya Aura VE provides an opportunity to upgrade to the next release level of collaboration using their own VMware infrastructure. For customers who need to add more capacity or application interfaces, Avaya Aura apps on VMware permit flexible solutions to expansion of Avaya Aura Communication Manager or Application Enablement Services. And for customers who want to migrate to the latest collaboration solutions such as the Avaya Communicator or Avaya Aura Conferencing but hesitated, Avaya Aura VE will provide a hardware efficient, simplified solution for upgrading to the latest Avaya Aura release and adding the latest Avaya Aura capabilities.

More choices for adding UC - Flexible deployment

The Avaya Aura Platform is offered as an appliance, installed and tested by Avaya and with Avaya Aura Virtualized Environment now is also available as a vAppliance for VMware. Existing as well as new customers can choose their preferred deployment options. Both choices provide full Avaya Aura® features and collaboration solutions, intelligent options to accelerate any business.

For customers that may want a virtualized UC solution but are looking for a single contact for support, Avaya now offers the Collaboration Pod for Enterprise Communications. It is a complete turnkey solution providing Avaya Aura VE applications that run on VMware and servers provided by Avaya. In addition the Pod supplies other important building blocks necessary for any UC system such as network switching, storage, gateways and an integrated management system for all of the components. It provides a virtualized infrastructure integrated, installed and supported by Avaya and its partners.

*VMware is a registered trademark of VMware, Inc.

Avaya Aura® applications for VMware

- Avaya Aura® Communication Manager
- Avaya Aura® Session Manager
- Avaya Aura® System Manager
- Avaya Aura® Presence Services
- Avaya Aura® Application Enablement Services
- Avaya Aura® Agile Communication Environment (ACE)
- Avaya Aura® Messaging
- Communication Manager Messaging
- Avaya Virtual Application Manager
- Avaya Aura® Utility Services
- WebLM
- Secure Access Link
- Session Border Controller for Enterprise
- Avaya Aura Conferencing

Avaya Call Center on VMware (OVA files)

- Avaya Aura® Call Center Elite
- Elite Multichannel Feature Pack
- Avaya Aura® Experience Portal
- Call Management System

About Avaya

Avaya is a leading, global provider of customer and team engagement solutions and services available in a variety of flexible on-premise and cloud deployment options. Avaya's fabric-based networking solutions help simplify and accelerate the deployment of business critical applications and services. For more information, please visit www.avaya.com.

The flexibility of a virtualized environment with Avaya Aura® reliability

Avaya Aura Virtualized Environment supports the latest release of Avaya Aura applications. It offers full Avaya Aura Communication Manager, Session Manager and System Manager redundancy options such as survivable core, active-active redundancy and geo-redundancy. The Avaya Aura Virtualized Environment provides the reliability of any Avaya Aura installation while supporting the flexibility and management options inherent in a VMware virtualized solution. Avaya Aura Virtualized Environment now also supports more resource options for installation in any enterprise, small or large. With a more flexible resource specification, the enterprise can select the number of users to be supported and then allocate only the virtualized resources that are needed. This permits better utilization of virtual resources and even more effective savings in energy and rack space. But even with more efficient use of VMware resources, every Avaya Aura Virtualized Environment installation still offers full Avaya Aura functionality and a complete solution for business collaboration. For deployment of the Avaya core virtualized applications onto an existing VMware infrastructure, Avaya offers the Avaya Virtual Application Manager. This is a virtualized application, compatible with vSphere 5.x, that provides a simple, easy-to-use, management interface for installing OVA files and maintaining Avaya Aura® virtualized applications.

Avaya Aura Virtualized Environment is a flexible deployment option made available to offer Avaya Aura UC real time collaboration to any enterprise. Avaya will continue to offer the server based solution for the Avaya Aura Platform in addition to the VMware compatible vAppliance approach. And, if needed with specific Avaya Aura installations, the two deployment options can be combined, mixing server applications and virtualized applications for a complete UC installation.

Support for VMware vCenter tools

The VMware management system, vCenter, can also be used to install the Avaya Aura vAppliances onto the VMware virtualized servers. Additionally Avaya Aura on VMware is compatible with key VMware vCenter tools such as vMotion, Snapshot and VMware High Availability.

Any Avaya Aura application for VMware is installed by downloading the Avaya Aura application OVA files (Avaya Aura app plus Linux OS) using the Product Licensing and Delivery System (PLDS). Each OVA files contains:

- Application software and operating system
- Pre-installed VMware tools for deployment on VMware
- Preset configuration details for:
 - » RAM, CPU, and storage reservations
 - » NIC

Avaya Aura Virtualized Environment Use Cases

Avaya Aura applications supported by VMware offers several advantages to both existing Avaya customers and potential UC users. Costs for expanding UC collaboration can be reduced, more flexible options can be offered in terms of software, appliance or complete turn-key solutions and hosted alternatives are made more economical while still offering enterprise level features.

Expansion and upgrade of existing Avaya Aura installations

- Reduced footprint expansion of Avaya Aura applications
- Cost effective upgrades for mobile and video collaboration features
- Core platforms migration to support latest Avaya Conferencing and Avaya Messaging solutions

Virtualized turn-key solution for private and public hosted UC

- Complete solution with virtualized server supporting UC, storage and networking
- Simple deployment of UC for enterprise expansion, cloud based collaboration

UCaaS for public hosting of full UC capabilities

- Cost effective model for providing Avaya Aura collaboration in hosted model
- Virtualization reduces hardware requirement, enhanced reliability and redundancy options

Learn More

For more information about Avaya Aura Virtualized Environment, contact your Avaya Account Manager or Avaya Authorized Partner. Or visit us on [avaya.com](http://www.avaya.com).



Avaya Aura® core applications take a major step forward in the deployment of real time collaboration with the integration of VMware virtualized server architecture.

