

Cisco Unified Communications on the Cisco Unified Computing System

Cisco has introduced software application versions from the Cisco® Unified Communications portfolio (Versions 8.0(2) and later) that are supported for production use on specific configurations of VMware vSphere (ESXi), Cisco Unified Communications Virtualization Foundation, Cisco Unified Computing System™ (Cisco UCS™) servers, and various storage configurations:

- Tested reference configurations are provided for the following servers and described as follows:
 - Cisco UCS B-Series Blade Servers with third-party Fibre Channel SAN-attached disk arrays are supported (including diskless servers for VMware “boot from SAN” option).
 - Cisco UCS C-Series Rack-Mount Servers with a specific configuration of either direct attached storage (DAS) or Fibre Channel SAN is supported (including a diskless server for VMware “boot from SAN” option).
- Other server and storage options are available via an alternative support model called “specifications-based VMware support.
- Refer to http://docwiki.cisco.com/wiki/UC_Virtualization_Supported_Hardware for additional details on UC on UCS Tested Reference Configurations and UC on UCS Specifications-based Support, including supported applications for each model.
- VMware vSphere ESXi or Cisco Unified Communications Virtualization Foundation software is required for all of these servers. For available applications, refer to http://docwiki.cisco.com/wiki/Unified_Communications_Virtualization_Supported_Applications. Refer to http://docwiki.cisco.com/wiki/Unified_Communications_VMware_Requirements for details about supported virtualization software products, versions and features.
- Application co-residency is also supported; refer to http://docwiki.cisco.com/wiki/Unified_Communications_Virtualization_Sizing_Guidelines#Application_Co-residency_Support_Policy for details.

Cisco Unified Communications applications require use of VMware vSphere (ESXi) or Cisco Unified Communications Virtualization Foundation to support Cisco Unified Computing System hardware. No applications run or install directly on the server hardware; all applications run only as virtual machines. Cisco Unified Communications does not support a physical, bare-metal, or nonvirtualized installation on this server hardware.

Cisco Unified Computing System configurations for Cisco Unified Communications must follow the criteria listed at <http://www.cisco.com/go/uc-virtualized> to be supported, including hardware configuration rules and specific minimum versions of Cisco Unified Communications applications.

Server part numbers are ordered independent of the Cisco Unified Communications applications and virtualization software.

For additional details about platform support for the following Cisco Unified Communications products, please consult the following references:

- For Cisco Unified Communications Manager and Cisco Unified Communications Manager Session Management Edition supported releases by server, please visit:
http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/prod_brochure0900aecd8062a4f9.html.
- For Cisco Emergency Responder, please visit the release notes at:
http://www.cisco.com/en/US/products/sw/voicesw/ps842/prod_release_notes_list.html.
- For Cisco Unity® Connection, please visit:
http://cisco.com/en/US/docs/voice_ip_comm/connection/8x/supported_platforms/8xcucspl.html.
- For the Cisco Unity solution, please visit:
http://www.cisco.com/en/US/prod/collateral/voicesw/ps6789/ps5745/ps2237/product_data_sheet0900aecd802132ef.html.
- For Cisco Unified Contact Center Express, please visit:
http://www.cisco.com/en/US/products/sw/custcosw/ps1846/products_device_support_tables_list.html.
- For Cisco Unified Contact Center Enterprise, refer to Appendix A of the bill of materials at:
http://www.cisco.com/en/US/products/sw/custcosw/ps1844/products_implementation_design_guides_list.html.
- For Cisco Unified Customer Voice Portal, refer to the Cisco Unified Customer Voice Portal hardware and software specifications at:
http://www.cisco.com/en/US/products/sw/custcosw/ps1006/prod_technical_reference_list.html.
- For Cisco Unified Presence hardware and software compatibility information, please visit:
http://www.cisco.com/en/US/products/ps6837/products_device_support_tables_list.html.
- For the Cisco Unified Communications Management Suite, please visit: <http://www.cisco.com/go/uc-virtualized>.

Special Ordering Instructions for Cisco Unified Computing System

For part numbers of Tested Reference Configurations, refer to http://docwiki.cisco.com/wiki/UC_Virtualization_Supported_Hardware.

Partners may also consult UCS Quick Catalog at <https://apps.cisco.com/QuickCatalog/home.do> and use a bundled configuration if that bundle meets all UC requirements at <http://www.cisco.com/go/uc-virtualized>.

Additionally, note that a Cisco UCS B-Series Blade Server deployment contains several components (blade server, blade server chassis, fabric extender, and fabric interconnect switch) without which you do not have a complete solution. For Cisco Unified Communications application deployments you plan to run on this hardware, you must ensure that all solution components are in place. You must use Cisco Commerce Workspace or the Netformx DesignXpert ordering tool UCS Advisor to ensure that all other required components in addition to the blade server are in place and correctly ordered. These solutions have several other components besides the server hardware, such as 10 Gigabit Ethernet networking, Fibre Channel storage network access, and third-party disk arrays. You must follow solution design guidelines and prerequisites to help ensure a complete solution and customer success. Refer to <http://www.cisco.com/go/uc-virtualized> and <http://www.cisco.com/go/ucsrnd> for more details.

Both Cisco UCS B-Series Blade Server and UCS C-Series Rack-Mount Server deployments require specific VMware software to support Cisco Unified Communications. Requirements are described at <http://www.cisco.com/go/uc-virtualized>.

Cisco Application Software Ordering Information

Virtualized deployment on the Cisco Unified Computing System does not change the pricing, licensing, or ordering models used for Cisco Unified Communications applications.

For example, applications priced and licensed under Cisco Unified Workspace Licensing or Cisco User Connect Licensing are configured the same way whether they are to be deployed on VMware with the Cisco Unified Computing System or the Cisco 7800 Series Media Convergence Servers.



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