



Cisco UCS Integrated Infrastructure for Red Hat OpenStack

Easier Deployment of Enterprise OpenStack Clouds

Expectations are high. IT is in the spotlight. New applications deployed in the cloud will increase productivity, enable new services, and increase customer loyalty. You want to deliver a high-quality solution quickly and limit deployment risk. At the same time, you want to leave your options open and retain flexibility for future needs.

Cisco is teaming with Red Hat, the industry's open source leader, to offer Cisco UCS® Integrated Infrastructure for Red Hat OpenStack Platform. Our integrated solutions will help your organization accelerate cloud deployments, while retaining control and choice over your environment through open and interoperable cloud solutions.

Benefits

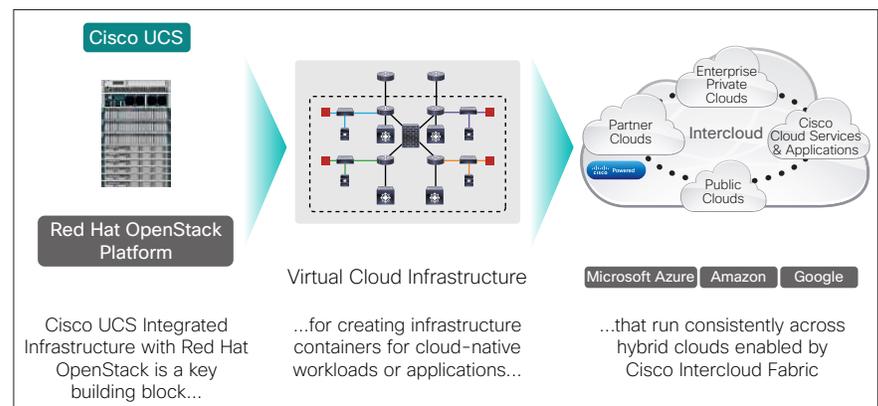
- **Avoid vendor lock-in** with an open source cloud platform.
- **Reduce CapEx and OpEx** with the exceptional scalability and the centralized management of Cisco UCS® Integrated Infrastructure.
- **Simplify move of applications** across clouds using Cisco® Intercloud Fabric.
- **Simplify deployment** with proven Cisco Validated Designs and preconfigured Cisco UCS Accelerator Paks.
- **Accelerate ROI and reduce risk** using the best practices and expertise of Cisco Professional Services.

Return on Investment with OpenStack

The power of open source innovation, available through OpenStack, provides tremendous flexibility and cost-efficiency over traditional infrastructure silos. Cisco customers around the world are deploying OpenStack in scenarios such as:

- New cloud-native application development and testing, using fast self-service, on-demand infrastructure
- Big Data: Collecting, analyzing and serving data, at a fraction of the cost of public cloud
- Media, e-commerce, social, and content-rich applications that require high performance, control and cost-efficiency at scale

Figure 1. Value of Cisco UCS Integrated Infrastructure for OpenStack Cloud Deployment



“We invest in OpenStack to achieve the portability and freedom to migrate cloud services and to build hybrid clouds using services and resources from multiple vendors. This is only achieved using a standard open cloud and has led us to develop solutions around OpenStack.”

Ricardo Fernandes

CTO, Dualtec Cloud Builders,
Brazil

Next Steps

Explore Cisco Validated Designs at [Cisco DesignZone for Cloud Computing](#).

For additional information, visit www.cisco.com/go/ucsopenstack.

Proven and Integrated Solutions from Industry Leaders

Cisco UCS Integrated Infrastructure for Red Hat OpenStack delivers an exceptional combination of performance and scalability, enterprise stability, portability, and manageability for OpenStack clouds.

The core of the solution is Cisco UCS Integrated Infrastructure, Cisco's flagship data center system, which combines computing, networking, storage, and management into a unified platform that is designed to automate IT as a service (ITaaS) in physical and virtual environments.

The joint solutions include coordinated support and professional services delivered by Cisco Cloud Consulting professionals and certified Cisco partners worldwide.

Cisco UCS Integrated Infrastructure for OpenStack, Starter Edition

provides simplified deployment for enterprise private clouds. Starter Edition solution components include:

- Cisco UCS Integrated Infrastructure
- Red Hat Enterprise Linux OpenStack Platform
- Cisco and Red Hat Validated Design and bill of materials
- Coordinated 24x7 solution support from Cisco
- **Starter Edition Services** include infrastructure provisioning, along with installation and configuration of OpenStack

Cisco UCS Integrated Infrastructure for OpenStack, Advanced Edition adds autoscaling, support for additional storage and server options.

- Hybrid cloud readiness through integration of [Cisco Intercloud Fabric](#)
- Application-based infrastructure management through integration of [Cisco Application Policy Infrastructure Controller \(APIC\)](#)
- **Advanced Edition Services** address high availability, chargeback, integration with monitoring tools, image management, and customized deployments.