RACKSPACE PRIVATE CLOUD
POWERED BY OPENSTACK

Upstream OpenStack delivered “as a service” and backed with a 99.99% uptime SLA.

Rackspace Private Cloud powered by OpenStack® provides public cloud benefits with the performance, security and control of an enterprise environment. Rackspace Private Cloud includes:

- **A superior model:** We eliminate complexity by delivering OpenStack “as a service” (24x7x365 monitoring, maintenance and upgrades).
- **World’s most reliable OpenStack:** 99.99% uptime SLA.
- **OpenStack everywhere:** We can deploy OpenStack private clouds in your data center, ours or in a third-party location (colo.), running on your hardware or on Rackspace managed infrastructure. The Rackspace managed infrastructure option enables you to:
  - Move from a CAPEX to an OPEX-based IT infrastructure expense model
  - Rapidly respond to demand in different geographies
  - Easily solve data sovereignty compliance requirements
- **The most operational OpenStack experience in the world by a factor of 100x:** We’ve successfully scaled OpenStack to 100,000s of nodes and OpenStack clouds for some of largest companies in the world.
- **A single platform:** For managing containerized, virtualized and bare metal applications across private, public and hybrid clouds.

TRUE OPEN SOURCE SOLUTION

Rackspace Private Cloud powered by OpenStack uses only open source software and offers open source designed infrastructure components.

- Infrastructure design based on Open Compute Project (OCP) specifications, purpose-built for running an OpenStack cloud.
- Proactively updated with the latest available distributions of Ubuntu Linux and KVM for the operating system and virtualization layers.
- Management layer using upstream OpenStack, deployed according to our prescribed and tested configurations using the OpenStack Ansible Deployment playbooks — without any proprietary code or wrappers.

REDUCED IT EXPENSES

By providing a private cloud solution designed using open standards, built on an open source software stack, and managed by our OpenStack experts, we can help you to reduce acquisition and ongoing operational costs.

- Minimize software licensing costs by using freely available distributions of Ubuntu Linux, KVM and upstream OpenStack.
- Reduce hardware acquisition and operational costs by choosing from the broad set of Rackspace infrastructure options, including infrastructure designed based on the OCP specifications.
- Save time and eliminate the operational expenses of finding, training and retaining hard-to-find OpenStack experts by relying on our experienced team of OpenStack specialists to manage your private cloud.

KEY FEATURES

**BUILT-IN AUTOMATION**

- Deployment and configuration management automated with Ansible
- Heat-based solution templates
- Deploy production-ready stacks in minutes

**ENTERPRISE- GRADE ARCHITECTURE**

- Industry-leading 99.99% OpenStack uptime guarantee
- Linux containers for independent scaling and seamless upgrades
- Designed to scale to thousands of nodes
- High availability using a professional-grade, 4-server control plane
- Includes a clustered database and messaging service

**SECURITY AND LOGGING**

- Secure, dedicated environment
- Includes two physical firewalls and audit logs
- Allows use of existing Open LDAP service to authenticate users

CONTACT US

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FASTER TIME TO VALUE

Get up and running faster by leveraging integrated infrastructure, our prescriptive deployment, application-level automation and our OpenStack expertise.

- Faster setup and deployment by leveraging our open standards design — a pre-integrated system of network, storage and compute designed to the OCP specifications and purpose-built for OpenStack powered clouds.
- Prescriptive deployment that leverages OpenStack Ansible playbooks to reduce deployment times and is designed and tested to provide the stability, scalability and high availability you need to support your cloud-ready enterprise production workloads.
- Deploy production-ready application stacks in minutes, with templates for several widely used open source applications including Magento, Drupal and MongoDB.

RACKSPACE PRIVATE CLOUD POWERED BY OPENSTACK ARCHITECTURE

PUTTING IT ALL TOGETHER

Rackspace Private Cloud powered by OpenStack delivers private cloud as a service, making it faster, easier and more cost efficient to deploy dedicated cloud resources built on truly open technologies, while eliminating the complexity and operational challenges associated with OpenStack.

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