**RACKSPACE CLOUD**

The Rackspace cloud is a set of cloud computing products and services billed on a utility computing basis from the US-based company Rackspace.

Offerings include web application hosting or platform as a service(cloud sites), cloud storage(cloud files), virtual private server(cloud servers), load balancers, databases, backup, and monitoring.

**SERVICES**

* **Cloud Files**

It is a cloud hosting service that provides “unlimited online storage and CDN” for media on a utility computing basis.

It was originally launched as Mosso cloudFS and is similar to Amazon simple storage service.

Services can be accessed over a RESTFUL API with open source client code available in C#/.NET, python, PHP, java, and Ruby.

Redundancy is achieved by replicating three full copies of data across multiple computers in multiple zones within the same datacenter where zones are physically separate and supplied separate power and internet services.

* **Cloud Servers**

It is a cloud infrastructure service that allows users to deploy one to hundreds of cloud servers instantly and create advanced high availability architectures similar to Amazon elastic compute cloud.

The cloud servers are virtual machines running on the xen hypervisor.

Cloud tools are applications and infrastructure software built to run on the rackspace cloud.

The cloud server API allows clients to create, configure and control virtual servers.

* **Cloud Sites**

It is a platform as a service offering, similar to traditional web hosting only built on horizontally scalable hardware infrastructure.

It allows an unlimited number of sites, databases and email accounts and includes reseller options such as client billing and support.

Cloudsite does not support  [Java](http://en.wikipedia.org/wiki/Java_(programming_language)),  [Tomcat](http://en.wikipedia.org/wiki/Apache_Tomcat),  [ColdFusion](http://en.wikipedia.org/wiki/ColdFusion),  [SSH](http://en.wikipedia.org/wiki/Secure_Shell),  [RDP](http://en.wikipedia.org/wiki/Remote_Desktop_Protocol),  [API](http://en.wikipedia.org/wiki/API) access, [Microsoft Exchange](http://en.wikipedia.org/wiki/Microsoft_Exchange_Server) or custom server-side components at this time.[[23]](http://en.wikipedia.org/wiki/Rackspace_Cloud#cite_note-isitafit-23) It is also not possible to set up multiple top level domains to point to the same web root directory.

**Control Panel**

The online control panel was custom built by and for the Rackspace cloud service.

The cloud panel includes management interfaces for the cloud sites, cloud servers, and cloud file services.

It also allows users to manage multiple clients and the plans and products that apply to them, with white label branding options for messaging. The clients themselves have access to a restricted version of the control panel that allows them to conduct administrative tasks such as managing mail accounts.

**Openstack**

Rackspace contributed the source code of its cloud files product to the openstack project under the Apache license to become the openstack object storage component.

**Software Requirement**

Operating systemon which Rackspace private cloud has been tested are Ubuntu 12.04, Ubuntu 12.10 and later, centos 6.3, centos 6.4 and Red hat enterprise linux 6.0