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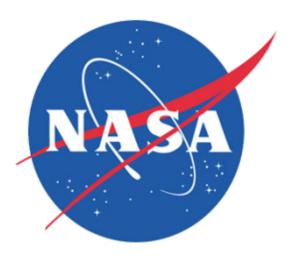
WHAT IS OPENSTACK?

"OpenStack is a collection of open source technologies delivering a massively scalable cloud operating system" - openstack.org

OPENSTACK OVERVIEW



- Cloud OS developed by Rackspace and NASA
- Infrastructure as a Service
- Support Private Cloud and Public Cloud
- Open Source (Apache 2.0 license)
- OpenStack Foundation
- Popular and widely supported





CLOUD OPERATING SYSTEMS

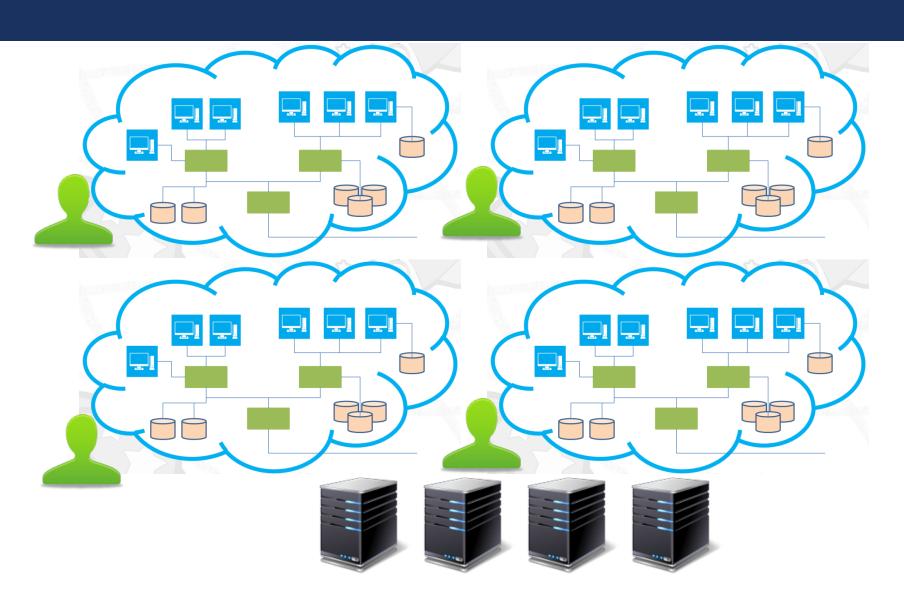


MANAGE VIRTUAL MACHINES

MANAGE VIRTUAL NETWORKS

MANAGE VIRTUAL STORAGES

MULTI-TENENTS



DEPLOYMENT MODELS

- On-premises distribution
- OpenStack-based public cloud
- Hosted OpenStack private cloud
- OpenStack-as-a-service
- Appliance based OpenStack

ON-PREMISES DISTRIBUTION

- Install all the OpenStack services on your own to create that cloud infrastructure
- Resides in your internal network

OPENSTACK-BASED PUBLIC CLOUD

- A service provider provides a public cloud computing system based on the OpenStack.
- Cloud provider who is responsible for creating the cloud infrastructure and lay out all the services.
- Services and all the data are stored in provider's servers.

HOSTED OPENSTACK PRIVATE CLOUD

 A service provider hosts an OpenStack-based private cloud including the underlying hardware and the OpenStack software.



OPENSTACK-AS-A-SERVICE

Vendor hosts OpenStack management software as a service and customer uses that software service.



APPLIANCE BASED OPENSTACK

- Set of hardware with the required software in it.
- No need of installing operating systems or other software again.
- This can be considered as a pluggable service.

