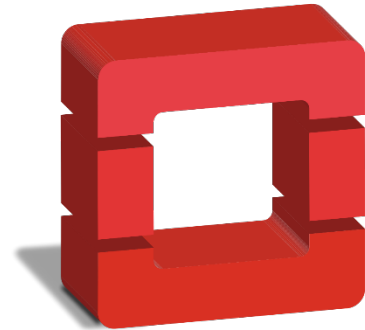


# What is this thing called OpenStack?

AURO Enterprise Cloud

@AURO\_io

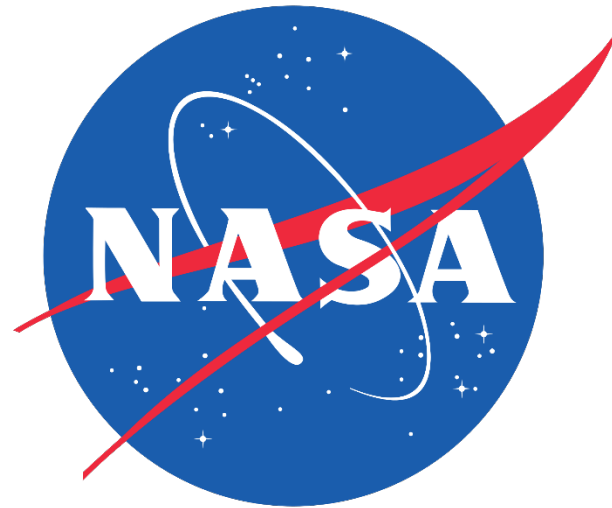
# What is OpenStack?



openstack®  
CLOUD SOFTWARE

Open-source cloud  
operating system for both  
private & public clouds.

# Founded in 2010:



- > 30,000 users and contributors
- > 540 supporting companies
- > 20 million lines of code written



OpenStack is primarily written in Python.

And fully available via the Apache 2.0 license.



# What does it do?



Deploy VMs and instances on the fly



Makes scaling horizontally easy



Control the compute environment

# Who uses OpenStack?

Some of the biggest users include  
Walmart, PayPal, American Express,  
Yahoo, Time Warner Cable,  
Disney, Sony, AT&T ...

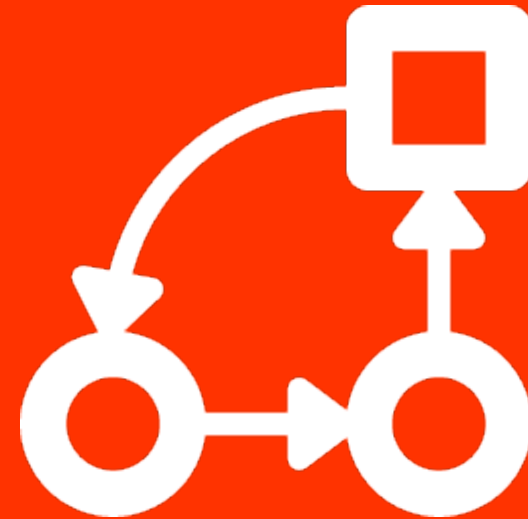




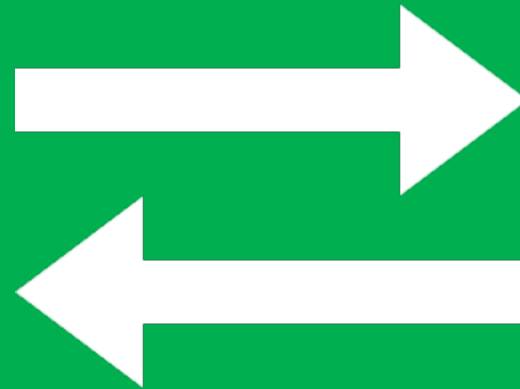
# How is OpenStack used in the cloud?

- Provides computing for end users in a remote environment
- The software runs as a service on scalable servers, not on the end user's computer
- It's Infrastructure as a Service
- Makes it easy to users to add an instance quickly for cloud components to run on

# What components are there?



# OpenStack is made up of many moving parts



# It is open!



**Anyone can add additional components to meet their needs.**

# Nova

The primary computing engine.

Deploys and manages large numbers of VMs and instances.



# Swift

Storage system for objects and files.



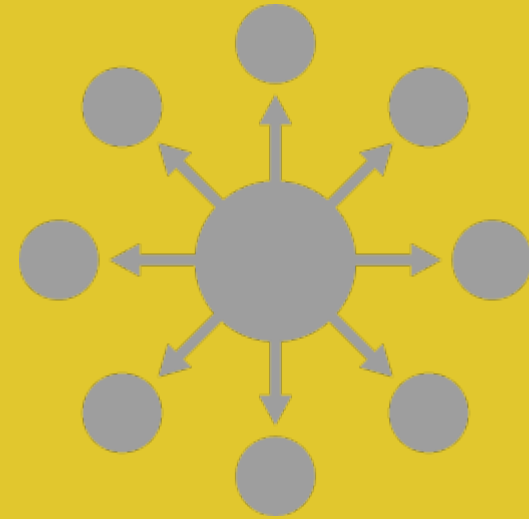
# Cinder

The block storage component.



# Neutron

The network.





# Horizon

The dashboard.



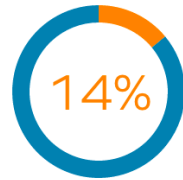
# AURO's dashboard

## Overview

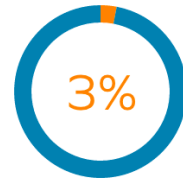
### Limit Summary



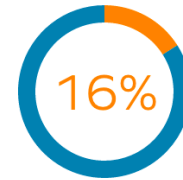
Instances  
Used 7 of 20



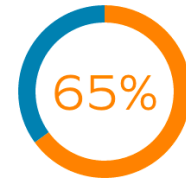
VCPUs  
Used 7 of 50



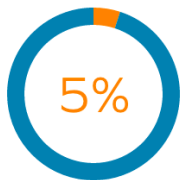
RAM  
Used 6.5GB of 256GB



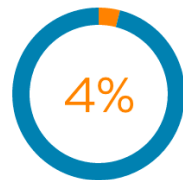
Floating IPs  
Used 8 of 50



Security Groups  
Used 13 of 20



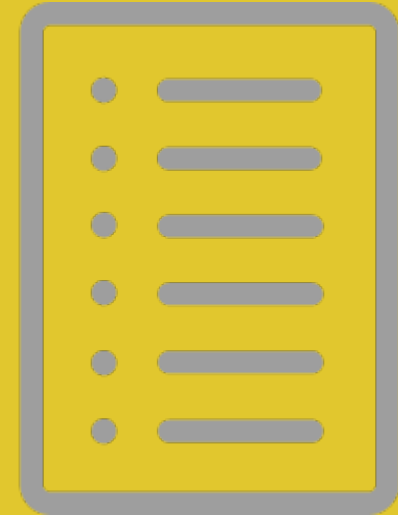
Volumes  
Used 1 of 20



Volume Storage  
Used 40GB of 1000GB

# Keystone

Identity services.



# Glance

Image services.



# Ceilometer

The monitoring service.



# Heat



Orchestration – managing the infrastructure.

# Why use OpenStack?

OpenStack is open in nature – anyone can add components to meet their needs.

Ability to move your workloads in and out of the cloud.

Speed – spin up a server in **less than 5 minutes!**

# Thank you!

@AURO\_io

sales@auro.io

