

Table of Contents

- Minimum nodes = 5** 1
- Install OpenStack in LXC on CentOS 7** 1
 - Base** 1
 - Dashboard** 1
 - Keystone Identity Manager** 1
- Install OpenStack on UBUNTU** 1
- Install OpenStack All-in-one-Machine** 1
 - Openstack Blocks** 2
 - Dashboard - Horizon 2
 - Object Store - Swift 2
 - Image catalog and repository - Glance 2
 - Compute - Nova 2
 - Identity - Keystone 2
 - Network - Quantum 2
 - Block Storage - Cinder 2
 - Openstack Architecture** 2

Minimum nodes = 5

Install OpenStack in LXC on CentOS 7

Base

```
yum install centos-release-openstack-newton
yum upgrade
yum install python-openstackclient memcached
```

Dashboard

```
yum install openstack-dashboard
```

```
/etc/openstack-dashboard/local_settings
```

```
ALLOWED_HOSTS = ['*']
```

```
systemctl restart httpd.service memcached.service
```

URL: `/dashboard/`

Keystone Identity Manager

```
yum install openstack-keystone python-keystoneclient
```

Install OpenStack on UBUNTU

[Openstack Autopilot](#)

Install OpenStack All-in-one-Machine

[Install on single machine VirtualBOX Image for testing](#)

Openstack Blocks

Dashboard - Horizon

Web front end to the other OpenStack services

Object Store - Swift

Swift is conceptually similar to [Amazon S3](#)

Image catalog and repository - Glance

Image (Glance) can store the actual virtual disk files in the Object Store(Swift)
Glance provides many of the same features as [Amazon's AMI catalog](#)

Compute - Nova

Create or destroy XEN, KVM, VMware, LXC, OpenVZ machines
Nova is conceptually similar to [Amazon EC2](#)

Identity - Keystone

Keystone is an OpenStack service that provides API client authentication, service discovery.

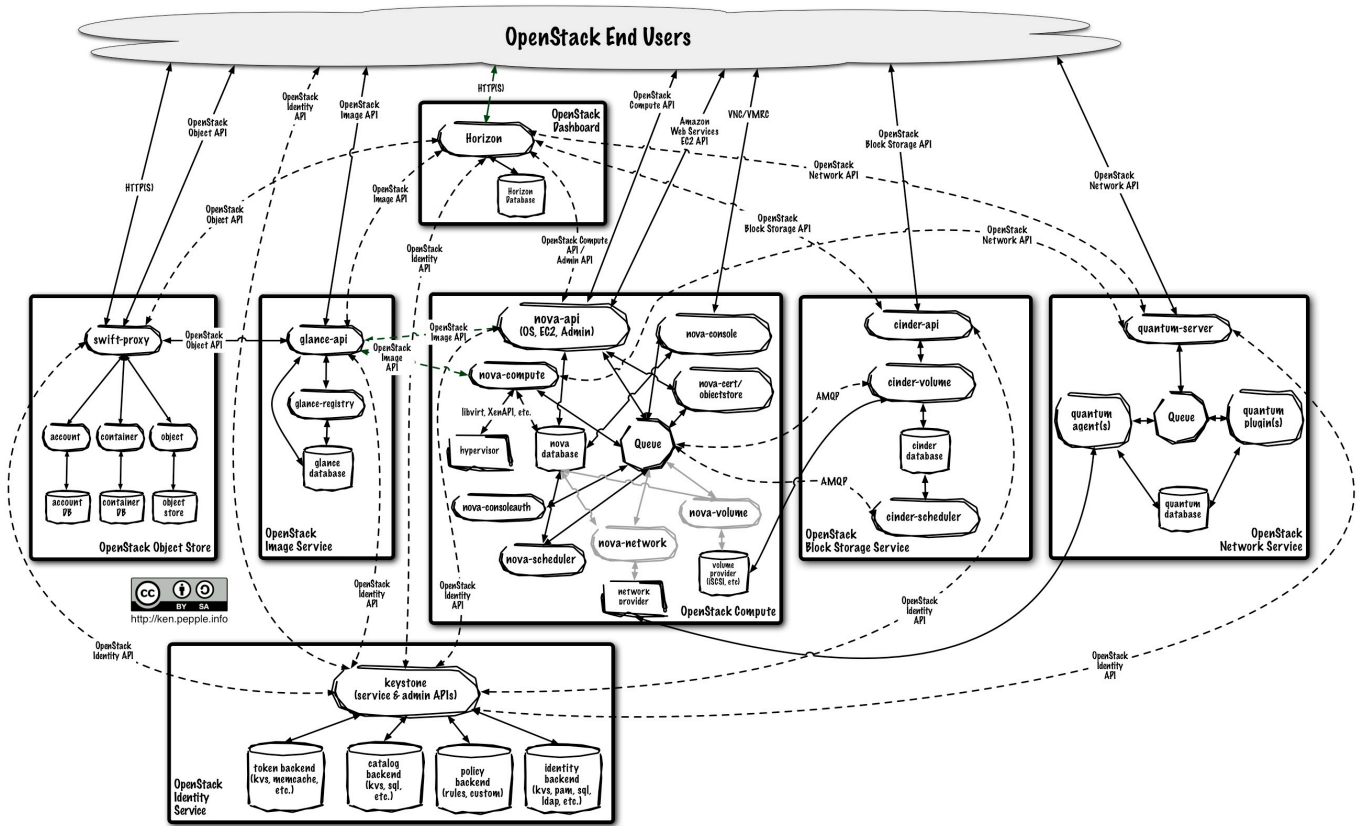
Network - Quantum

Provides virtual networking for Compute

Block Storage - Cinder

Provides storage volumes for Compute
Cinder provides block services similar to [Amazon Elastic Block Storage](#)

Openstack Architecture



From: <https://wiki.janforman.com/> - wiki.janforman.com

Permanent link: <https://wiki.janforman.com/openstack>

Last update: 2016/12/03 00:49

