

OpenStack!

이들만 하면 나처럼 할 수 있다!?

클라우드 컴퓨팅 기술 연구소

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Profile



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- Role : Java Developer Using Openstack
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- Facebook : <http://www.facebook.com/naleejang>
- Company : <http://www.mnlsolution.com>
- Community : OpenStack Korea Groups
(<http://www.facebook.com/groups/openstack.kr/>)
(<http://www.openstack.or.kr/>)

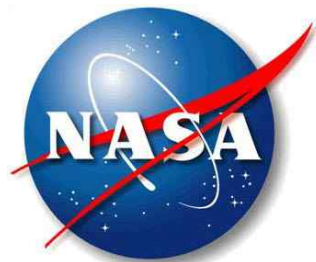
OpenStack!



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2010년 6월!



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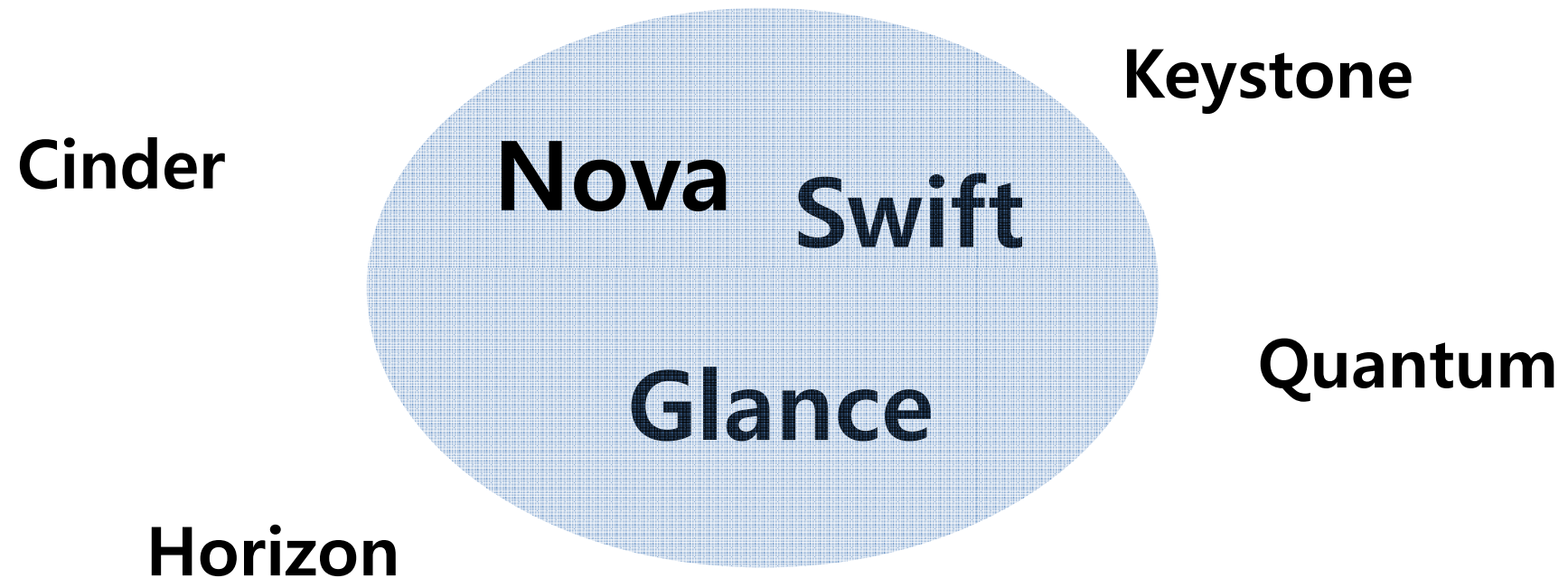


6번째 릴리즈~!!

OpenStack Folsom

지난 9월 27일~!!

Components!

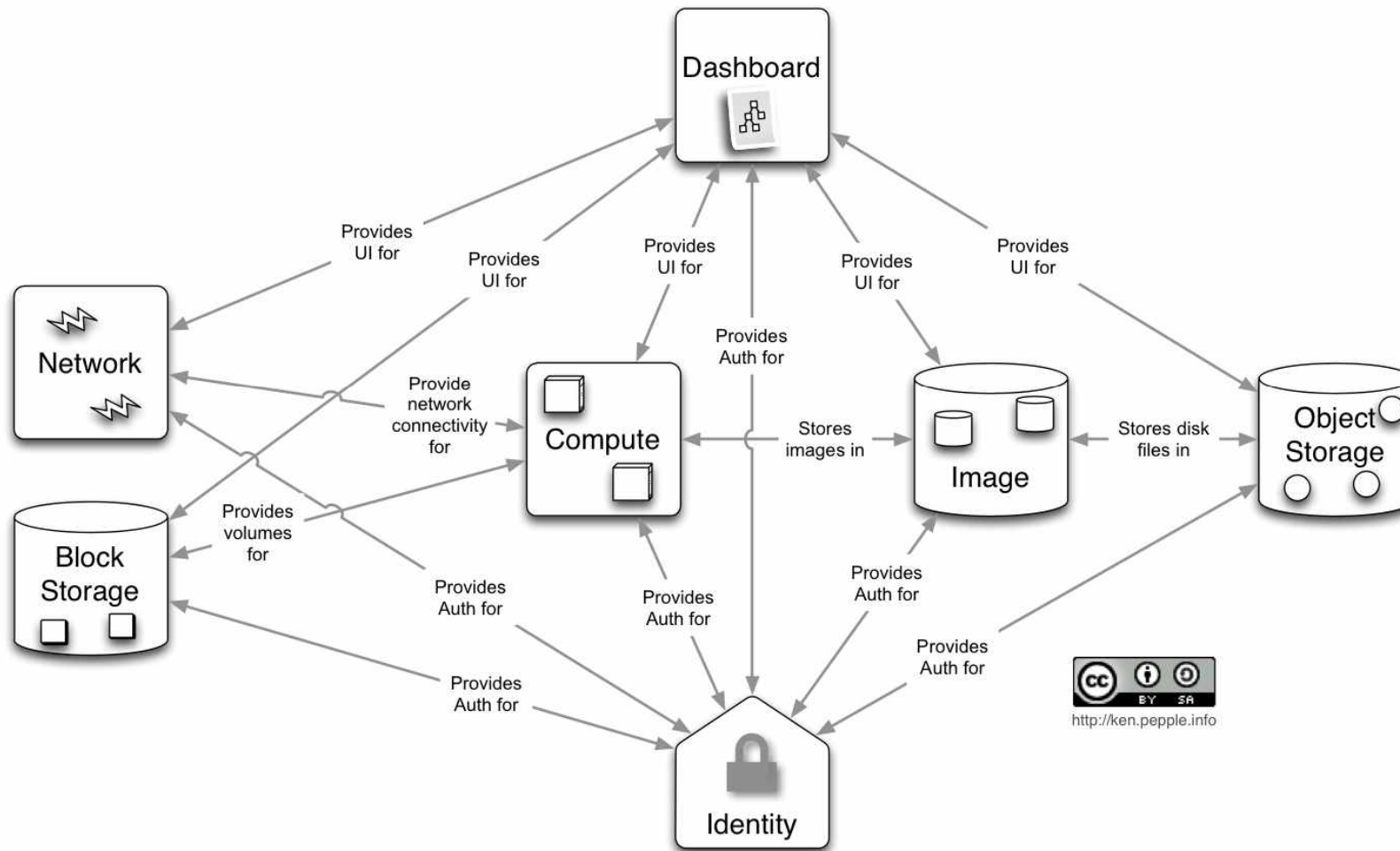


Components Role!

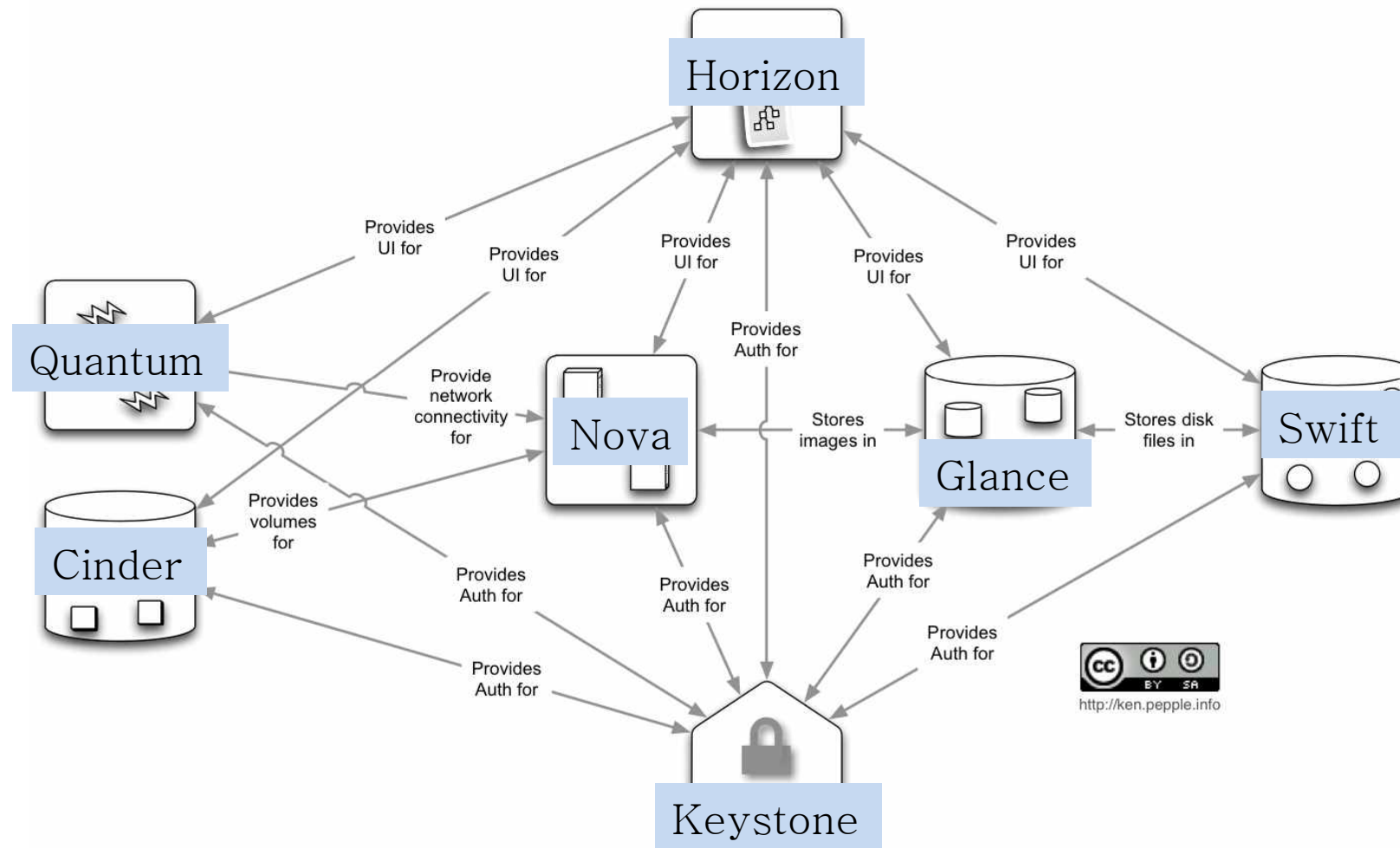


- **Nova** : Compute Service
- **Swift** : Object Storage Service
- **Glance** : Image Service
- **Keystone** : Identity Service
- **Horizon** : Dashboard Web Service
- **Quantum** : Network Service
- **Cinder** : Block Storage Service

Conceptual Architecture!



Conceptual Architecture!





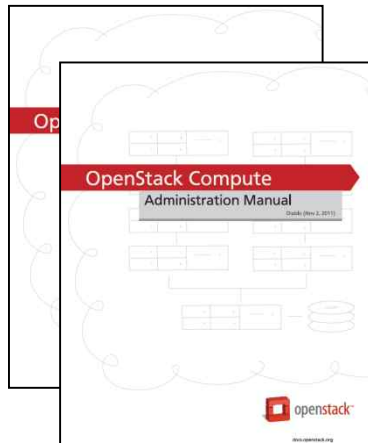
OpenStack!

Install~!!



Configurations~!!

Installing Method~!!



Manual

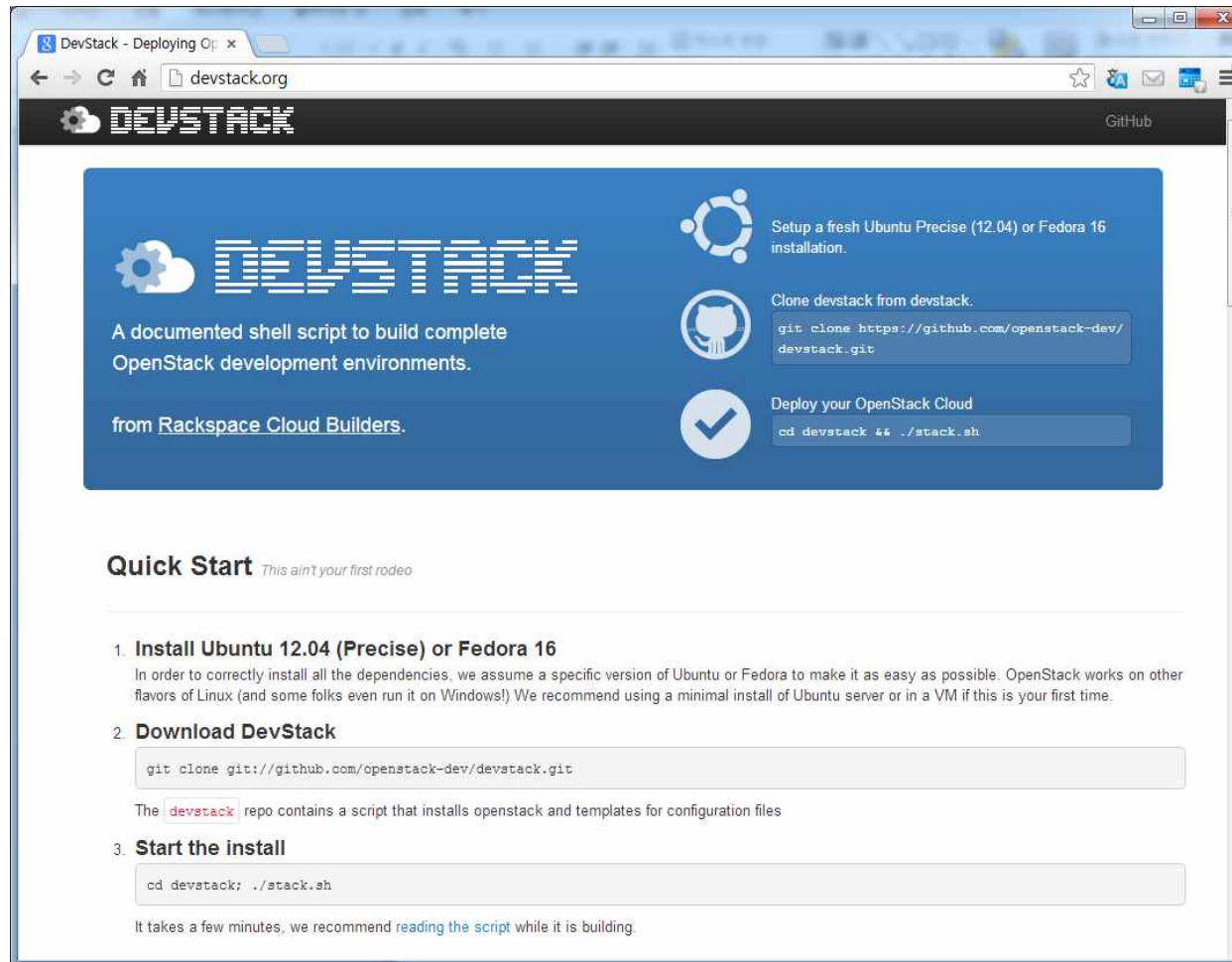


DevStack Shell Script



Automatic Deployment Tool

DevStack Shell Script~!!



나만의 IDC Center를 만들어보자!



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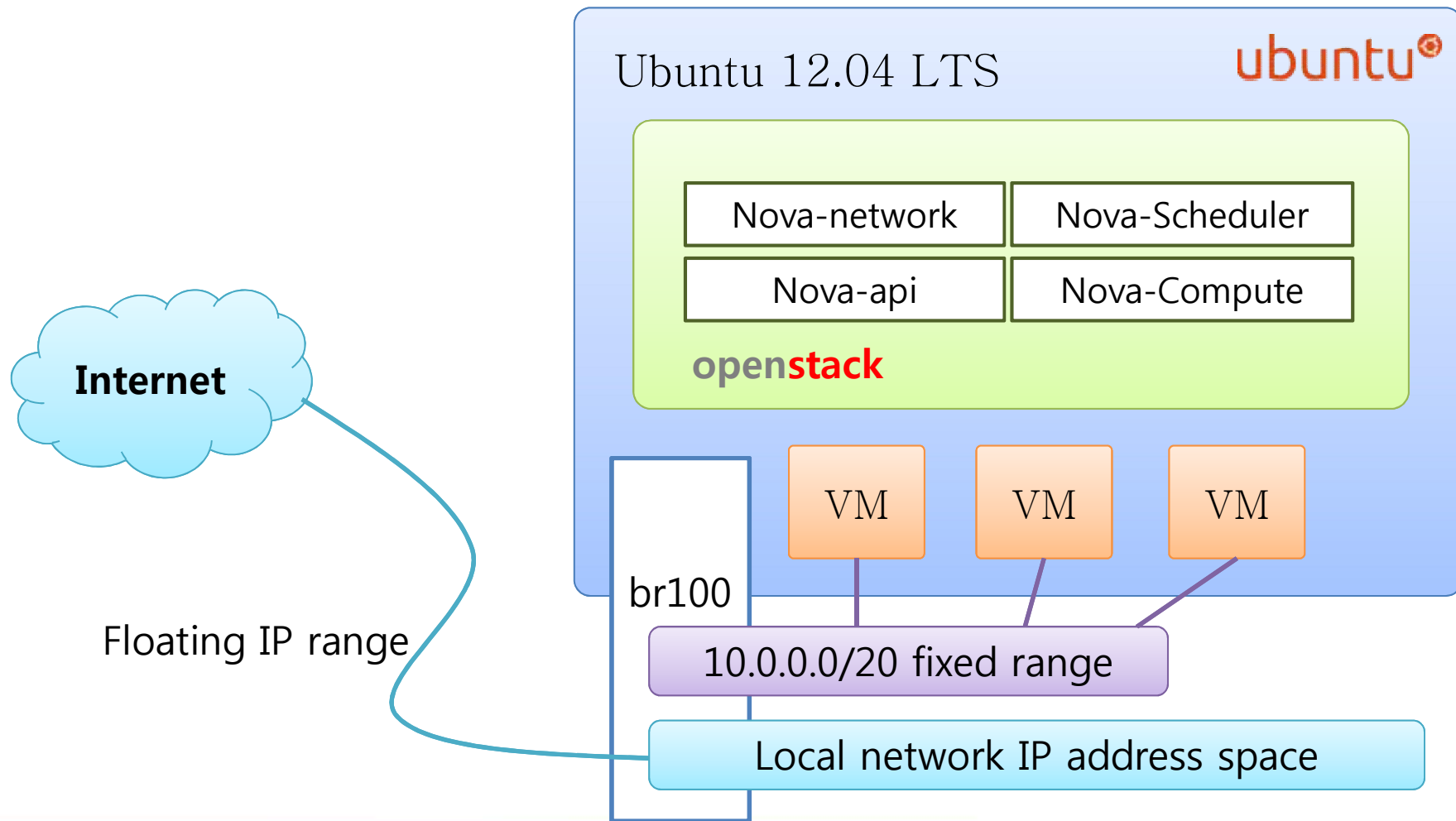
나만의 IDC Center를 만들어보자!



가상 서버~!!

OpenStack 설치 테스트

나만의 IDC Center를 만들어보자!



OpenStack! 이틀만 하면 나처럼 할 수 있다!?

localrc

- Default Setting (기본 정보)
- Logging Setting (로그 정보)
- Network (네트워크)
- Installing System (설치 시스템)
- System Password (시스템 패스워드)

환경변수 설정만 잘해도 ...

defalut

HOST_IP = 10.0.4.21

Log

LOGFILE=stack.sh.log

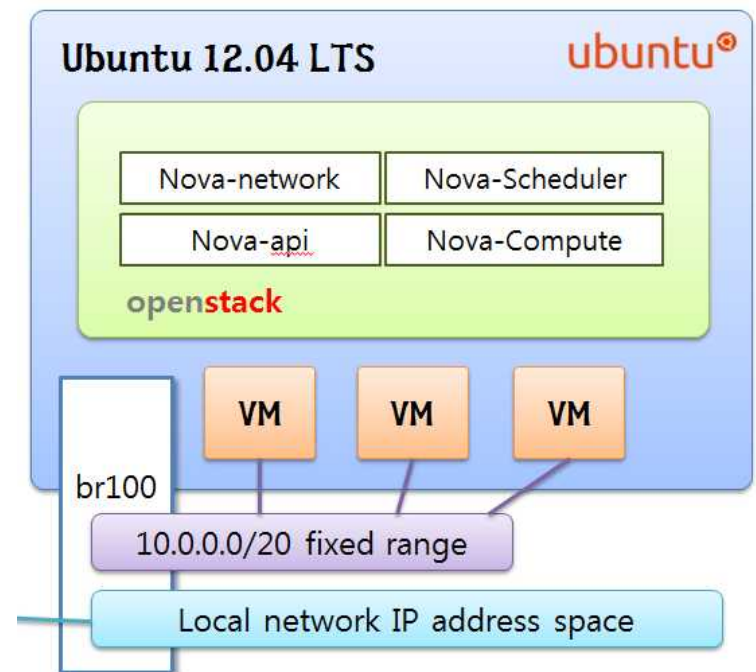
SCREEN_LOGDIR=/opt/stack/logs/screen

Network

FLAT_INTERFACE=eth0

FIXED_RANGE=10.0.0.0/20

FLOATING_RANGE=192.168.42.128/25



환경변수 설정만 잘해도 ...

System password

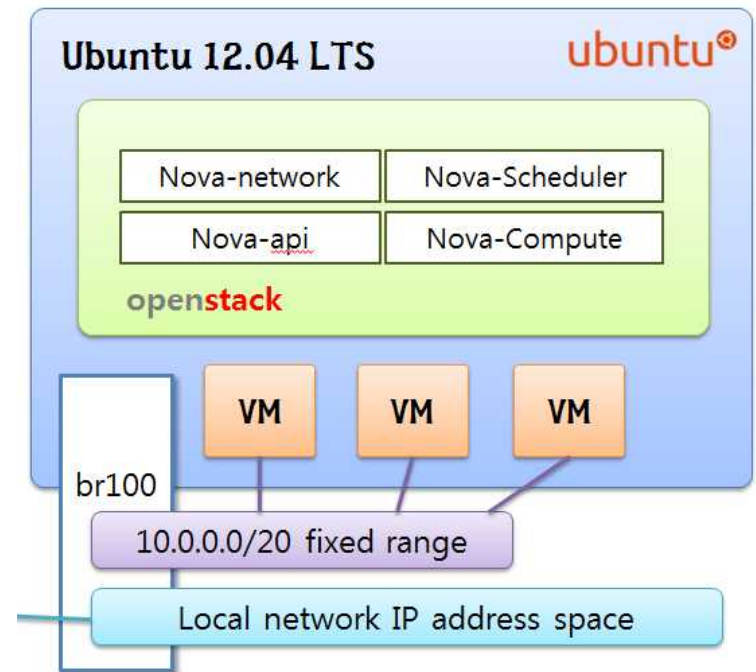
ADMIN_PASSWORD=labstack

MYSQL_PASSWORD=supersecret

RABBIT_PASSWORD=supersecrete

SERVICE_PASSWORD=supersecrete

SERVICE_TOKEN=openstackservicetoken



DEMO

Review

- Current OpenStack Version : **OpenStack Folsom**
- OpenStack Components & Architecture
: **Nova, Swift, Glance, Keystone, Horizon, Quantum, Cinder**
- How to Install method
: Manual, **DevStack Shell Script**, Automatic Development Tool
- DevStack Shell Script's localrc
: **Default, Logging, Network, Install System, System password**
- Demo

마지막으로

OpenStack!

이들만 하면 나도 할 수 있다!

목표 설정! 이들