

오픈소스 클라우드

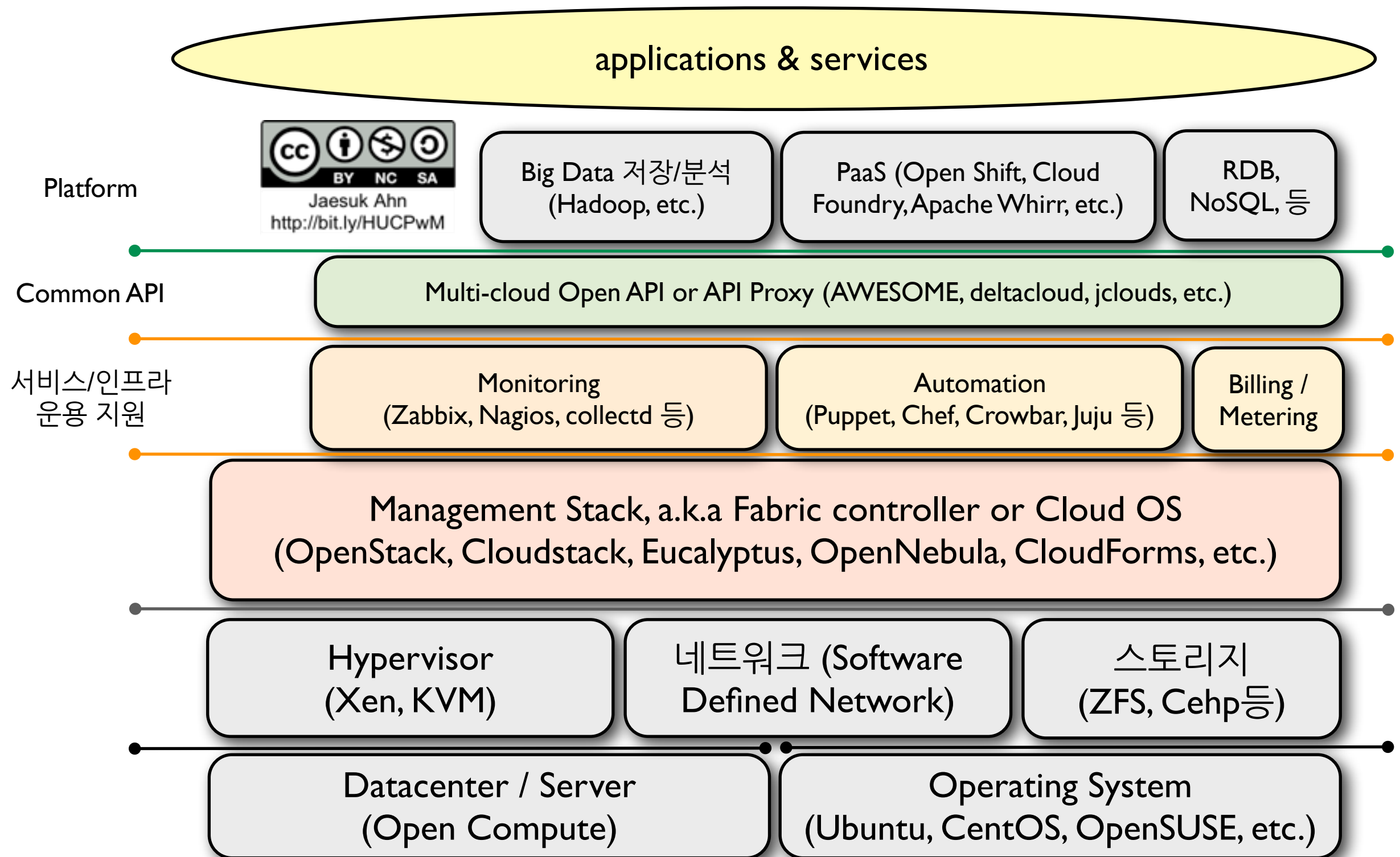
격동의 시대

OpenStack 한국커뮤니티 안재석



오픈소스와 클라우드

클라우드 서비스를 구축하기 위한 오픈소스 기술



Cloud OS War...

CloudStack, OpenStack, Eucalyptus, ...



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이기려면 가져야 할 것들?

- **AWS Compatibility?**
 - Compatible to What?
- **Maturity?**
 - About what?
- **Suitable for Public Cloud Service?**
 - What exactly?
- **Don't Forget! We are talking about an “OPEN SOURCE” Project!**

Why can't we co-exist peacefully?

What choice I should make?

Not a elimination, But a competition.

- Let's Look at Operating System
 - Windows (Closed) vs. Linux (Open)
 - Linux (Open) 에서는..
 - CentOS (Redhat), Ubuntu (Canonical), openSUSE (SUSE), Gentoo, etc...

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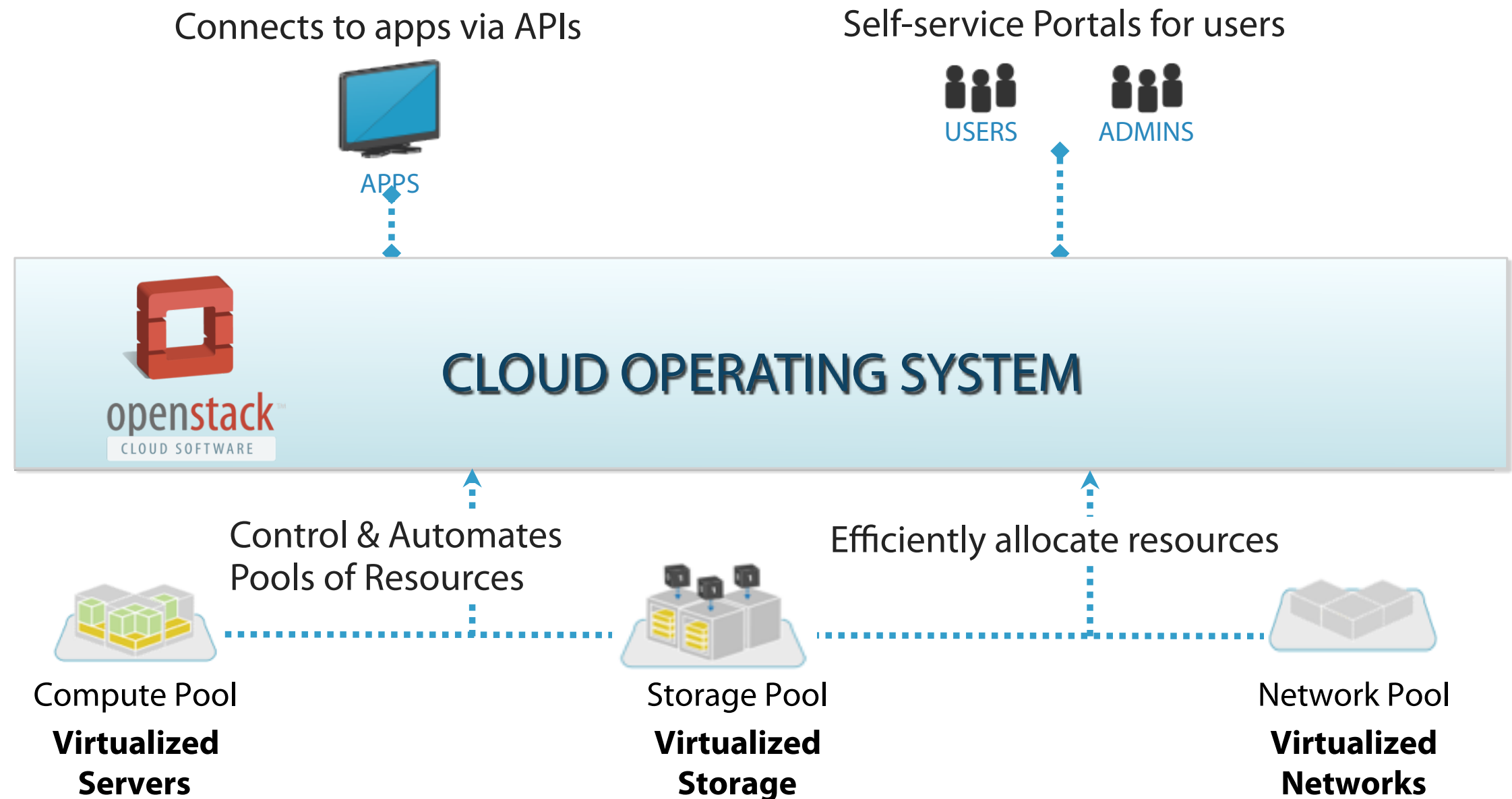
- Let's Look at Cloud OS
 - VMware (Closed) vs. Open Source 들
 - AWS is tricky, but it is essentially “closed”
 - It is still in its very beginning phase.

There is no “the ONE ring”

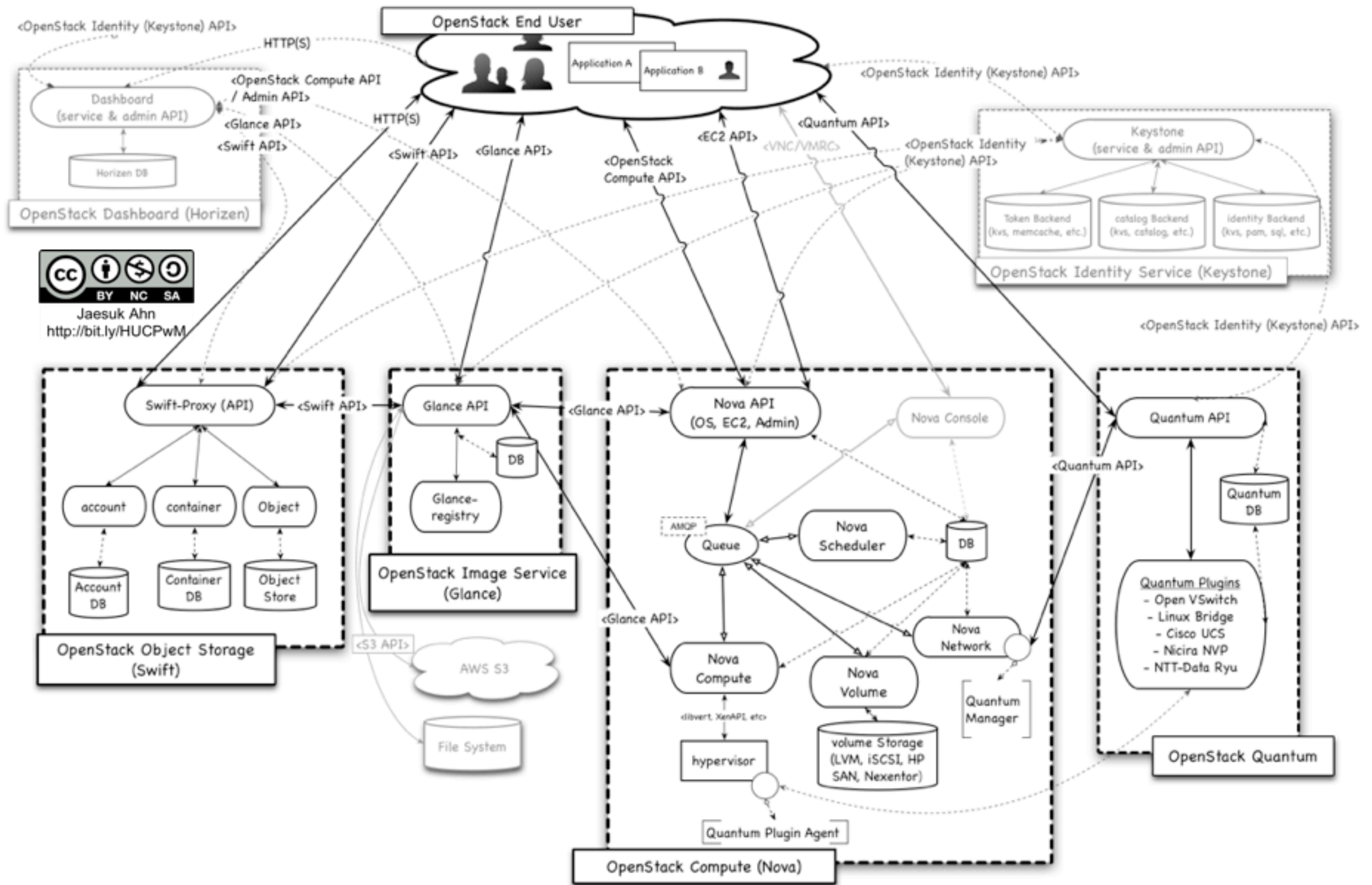
- This is NOT about what is better. It is about what you need.
 - 우선, 요구사항이 무엇인지 부터 정확히 파악.
 - 기술적 요소들이 전부는 아니다.
 - 커뮤니티, 개발 프로세스, 나의 영향력...

OpenStack as a Cloud OS

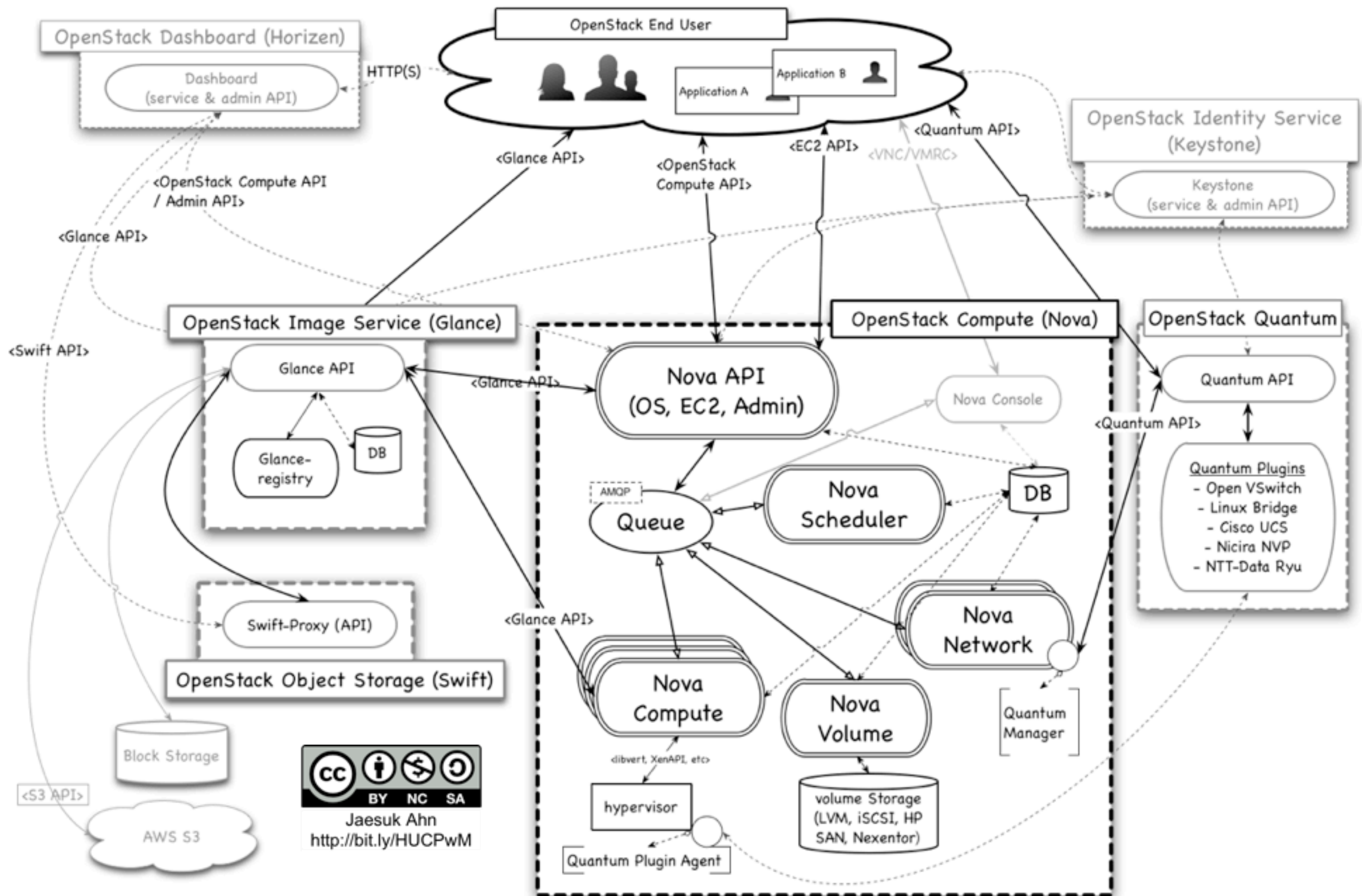
OpenStack as a Cloud OS



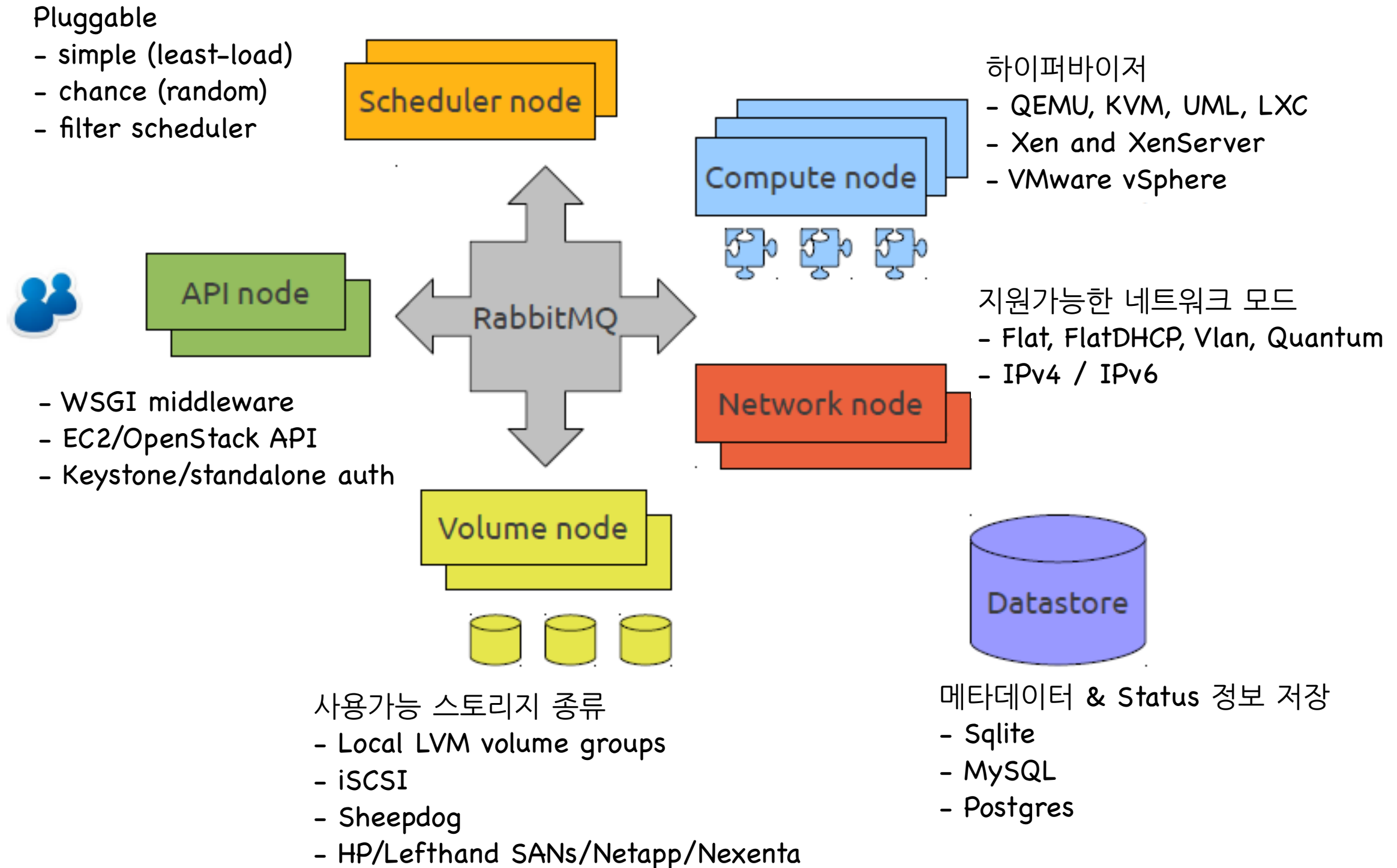
OpenStack: 구성 (Logical Architecture)



Nova 구성: Logical Architecture



OpenStack Nova (Compute) 구성요소들



중요한 에코 프로젝트

- AWESOME (Any Web Service Over Me)
from Canonical
- Heat from Redhat (AWS Cloudformation,
TOSCA compatible project)
- OCCl implementation

중요한 레퍼런스

- Rackspace
 - Cloud Server
 - Cloud Block Storage
 - Cloud DB
 - Cloud Monitoring
 - Cloud Networking (SDN)
- HP Converged Cloud Service
- Dell + Canonical's Cloud Business

회사들에게는 두통일지 몰라도,
개발자들에게는 흥미롭게 놀 수 있는
큰 장이 마련된 듯 합니다.

Have a Fun with Open Source Cloud!