

閱讀摘錄與筆記

OpenSource Cloud Technology -- OpenStack (2012)

What does OpenStack do ?

提供（運算/儲存）這兩種功能（類似亞馬遜的ECS(Elastic Computing Service)和S3(Simple Storage Service)）。讓企業也能夠擁有自己的 private cloud。

而提供私有雲的架構，也就是 Infrastructure as a Service (IaaS)。

論文發表在 2012，其中提到 OpenStack 的主要模組有 Nova (compute service), Glance (image management service), Keystone (identity service), Quantum (network service), and Swift (object storage service). 而在下一個版本中 Quantum 被改名為 Neutron。

看一下 OpenStack 的發展：

- 2010 Oct. - Austin: Nova, Swift
- 2011 Feb. - Bexar: Nova, Glance, Swift
- 2011 Apr. - Cactus: Nova, Glance, Swift
- 2011 Sep. - Diablo: Nova, Glance, Swift
- 2012 Apr. - Essex: Nova, Glance, Swift, Horizon, Keystone
- 2012 Sep. - Folsom: Nova, Glance, Swift, Horizon, KeyStone, Quantum(Neutron 前身), Cinder
- 2013 Apr. - Grizzly: Nova, Glance, Swift, Horizon, Keystone, Quantum(Neutron 前身), Cinder
- 2013 Oct. - Havana: Nova, Glance, Swift, Horizon, Keystone, Neutron, Cinder, Heat, Ceilometer

在論文發表時已經可以做到一個 Computing Instance 的 Fast Development

- Nova (compute service)
- Glance (image management service)
- Keystone (identity service)
- Quantum (network service) (改名為 Neutron)
- Swift (object storage service)