

# OpenStack: Architecture and Time Estimation

Johnny G.C.

NTU PPLab

2019/09/30

# Overview

- 1 Progress Report
- 2 OpenStack Architecture

# Progress Report

- Install Ubuntu on three servers : *Fish<sup>2</sup>, Nami, Luffy*
- Attempt installing OpenStack via *Kolla-Ansible*
  - *We failed* for the reasons :
    - We're not familiar with the parameters required by each component's configuration. This will cause much system uncertainty in the future.
    - Some components inherently having issues, we have to figure them out by learning and installing each of them manually.

# Progress Report

- Install Ubuntu on three servers : *Fish<sup>2</sup>, Nami, Luffy*
- Attempt installing OpenStack via *Kolla-Ansible*
  - *We failed* for the reasons :
    - We're not familiar with the parameters required by each component's configuration. This will cause much system uncertainty in the future.
    - Some components inherently having issues, we have to figure them out by learning and installing each of them manually.

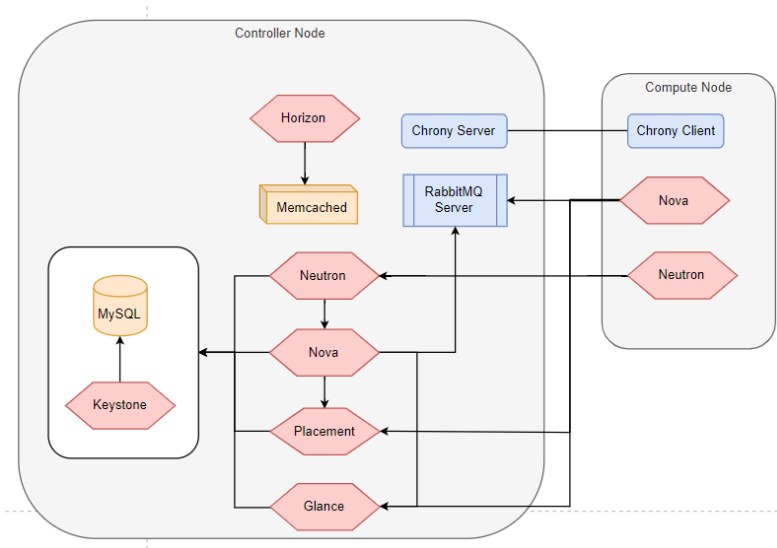
# Progress Report

- We decided to install each service and component manually for acquiring more profound and steady OpenStack knowledge.
- On this purpose, we've estimated the time cost we need to complete the proof-of-concept OpenStack server in this presentation.

# Progress Report

- We decided to install each service and component manually for acquiring more profound and steady OpenStack knowledge.
- On this purpose, we've estimated the time cost we need to complete the proof-of-concept OpenStack server in this presentation.

# OpenStack Architecture



# Gantt Diagram

Date	Task1	Task2	Task3
2019/10/7	MySQL	RabbitMQ	Keystone
2019/10/14	Chrony	Memcached	Glance
2019/10/21	Placement	Nova	-
2019/10/28	Neutron	Horizon	-