목차

- Heat Templates 중 roles_data, network_data 파일 복사

```
[stack@osp-director ~]$ cd /usr/share/openstack-tripleo-heat-templates/
[stack@osp-director openstack-tripleo-heat-templates]$ cp roles_data.yaml
network_data.yaml ~/templates/main/
```

- roles_data, network_data 파일 수정 작업
  - roles_data.yaml 파일

```
## 클라우드의 역활을 정의 하고 서비스를 각 역활에 매핑하는 파일
## 아래와 같은 형식으로 되어 있으며, 이중 ** networks: ** 부분을 기존 물리서버의 NIC 사
용 용도에 맞춰줘야 합니다.
###############################################################################
###
# Role: Controller
#
###############################################################################
###

- name: Controller
  description: |
    Controller role that has all the controler services loaded and handles
    Database, Messaging and Network functions.
  CountDefault: 1
  tags:
    - primary
    - controller
  networks:
    - External
    - InternalApi
    - Storage
    - StorageMgmt
    - Tenant
  default_route_networks: ['External']
  HostnameFormatDefault: '%stackname%-controller-%index%'
  uses_deprecated_params: True
  deprecated_param_extraconfig: 'controllerExtraConfig'
  deprecated_param_flavor: 'OvercloudControlFlavor'
  deprecated_param_image: 'controllerImage'
  deprecated_nic_config_name: 'controller.yaml'
  update_serial: 1
  ServicesDefault:
    - OS::TripleO::Services::Aide
        .......
###############################################################################
###
# Role: Compute
#
###############################################################################
###
```

```
- name: Compute
  description: |
    Basic Compute Node role
  CountDefault: 1
  networks:
    - InternalApi
    - Storage
    - Tenant
```

- network_data .yaml 파일
- 오버 클라우드의 네트워크와 서브넷, 할당 풀 및 VIP 상태와 같은 네트워크 속성을 정의 하는 파일 : 외부,내부API,스토리지, 스토리지관리, 테넌트 및 관리 네트워크만 기본적으로 작성되어 있음

```
- name: Storage
  vip: true
  vlan: 30
  name_lower: storage
  ip_subnet: '10.25.111.0/24'
  allocation_pools: [{'start': '10.25.111.4', 'end': '10.25.111.250'}]
- name: StorageMgmt
  name_lower: storage_mgmt
  vip: true
  vlan: 40
  ip_subnet: '10.25.112.0/24'
  allocation_pools: [{'start': '10.25.112.4', 'end': '10.25.112.250'}]
- name: InternalApi
  name_lower: internal_api
  vip: true
  vlan: 20
  ip_subnet: '10.25.113.0/24'
  allocation_pools: [{'start': '10.25.113.4', 'end': '10.25.113.250'}]
- name: Tenant
  vip: false  # Tenant network does not use VIPs
  name_lower: tenant
  vlan: 50
  ip_subnet: '10.25.114.0/24'
  allocation_pools: [{'start': '10.25.114.4', 'end': '10.25.114.250'}]
- name: External
  vip: true
  name_lower: external
  vlan: 10
  ip_subnet: '10.25.115.0/24'
  allocation_pools: [{'start': '10.25.115.4', 'end': '10.25.115.250'}]
  gateway_ip: '10.25.115.1'
- name: Management
  # Management network is enabled by default for backwards-compatibility,
but
  # is not included in any roles by default. Add to role definitions to use.
  enabled: false
```

```
  vip: false  # Management network does not use VIPs
  name_lower: management
  vlan: 60
  ip_subnet: '10.0.1.0/24'
  allocation_pools: [{'start': '10.0.1.4', 'end': '10.0.1.250'}]
```

- Heat-Teampltes 랜더링 작업

```
// roles_data & network_data 작성 후 아래 명령어 수행 ( heat-template 랜더링 작업)
[stack@osp-director ~]$ cd /usr/share/openstack-tripleo-heat-templates/
[stack@osp-director openstack-tripleo-heat-templates]$ ./tools/process-
templates.py -o ~/openstack-tripleo-heat-templates-rendered -n
/home/stack/templates/main/network_data.yaml -r
/home/stack/templates/main/roles_data.yaml
```

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Last update: **2020/05/08 08:09**