

Instalasi dan Konfigurasi Kolla-Ansible Ubuntu Server 18.04

1. Aktifkan network interfaces, sebelumnya ada salah satu interface yang tidak aktif.

```
ridho@ubuntu-allinone:~$ sudo ip link set up enp3s0
ridho@ubuntu-allinone:~$
```

2. Setelah network interface sudah diaktifkan, verifikasi terlebih dahulu.

```
ridho@ubuntu-allinone:~$ ip link
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: enp2s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 00:e0:62:44:07:0a brd ff:ff:ff:ff:ff:ff
3: enp3s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 00:30:67:31:5d:6b brd ff:ff:ff:ff:ff:ff
ridho@ubuntu-allinone:~$
```

3. Update package

```
ridho@ubuntu-allinone:~$ sudo apt-get update
Hit:1 https://download.docker.com/linux/ubuntu bionic InRelease
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:5 http://archive.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:6 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [1072 kB]
Get:7 http://archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1107 kB]
Fetched 2431 kB in 3s (751 kB/s)
Reading package lists... Done
```

4. Install python build dependencies

```
ridho@ubuntu-allinone:~$ sudo apt-get install python3-dev libffi-dev gcc libssl-dev -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  dh-python libexpat1-dev libpython3-dev libpython3.6-dev python3-distutils python3-lib2to3 python3.6-dev
Suggested packages:
  gcc-multilib autoconf automake libtool flex bison gdb gcc-doc libssl-doc
The following NEW packages will be installed:
  dh-python gcc libexpat1-dev libffi-dev libpython3-dev libpython3.6-dev libssl-dev python3-dev python3-distutils python3-lib2to3 python3.6-dev
0 upgraded, 11 newly installed, 0 to remove and 73 not upgraded.
```

5. Install PIP

```
ridho@ubuntu-allinone:~$ sudo apt-get install python3-dev libffi-dev gcc libssl-dev -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  dh-python libexpat1-dev libpython3-dev libpython3.6-dev python3-distutils python3-lib2to3 python3.6-dev
Suggested packages:
  gcc-multilib autoconf automake libtool flex bison gdb gcc-doc libssl-doc
The following NEW packages will be installed:
  dh-python gcc libexpat1-dev libffi-dev libpython3-dev libpython3.6-dev libssl-dev python3-dev python3-distutils python3-lib2to3 python3.6-dev
0 upgraded, 11 newly installed, 0 to remove and 73 not upgraded.
ridho@ubuntu-allinone:~$ sudo apt-get install python3-pip -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  build-essential g++ g++-7 libstdc++-7-dev python-pip-whl python3-crypto python3-keyring python3-keyrings.alt python3-secretstorage python3-setuptools python3-wheel python3-xdg
Suggested packages:
  g++-multilib g++-7-multilib gcc-7-doc libstdc++6-7-dbg libstdc++-7-doc python-crypto-doc gnome-keyring libkf5wallet-bin gir1.2-gnomekeyring-1.0 python-secretstorage-doc
python-setuptools-doc
The following NEW packages will be installed:
  build-essential g++ g++-7 libstdc++-7-dev python-pip-whl python3-crypto python3-keyring python3-keyrings.alt python3-pip python3-secretstorage python3-setuptools python3-wheel
python3-xdg
0 upgraded, 13 newly installed, 0 to remove and 73 not upgraded.
ridho@ubuntu-allinone:~$ sudo -H pip3 install -U pip --proxy="152.118.29.41:8080"
Cache entry deserialization failed, entry ignored
Collecting pip
  Using cached https://files.pythonhosted.org/packages/4e/5f/528232275f6509b1fff703c9280e58951a81abe24640905de621c9f81839/pip-20.2.3-py2.py3-none-any.whl
Installing collected packages: pip
  Found existing installation: pip 9.0.1
    Not uninstalling pip at /usr/lib/python3/dist-packages, outside environment /usr
Successfully installed pip-20.2.3
ridho@ubuntu-allinone:~$
```

6. Verifikasi PIP

```
ridho@ubuntu-allinone:~$ pip -V
pip 20.2.3 from /usr/local/lib/python3.6/dist-packages/pip (python 3.6)
ridho@ubuntu-allinone:~$
```

7. Install ansible versi 2.8 ke atas

```
ridho@ubuntu-allinone:~$ sudo -H pip install -U 'ansible<2.10' --proxy="152.118.29.41:8080"
Collecting ansible<2.10
  Using cached ansible-2.9.13.tar.gz (14.3 MB)
Requirement already satisfied, skipping upgrade: PyYAML in /usr/lib/python3/dist-packages (from ansible<2.10) (3.12)
Requirement already satisfied, skipping upgrade: cryptography in /usr/lib/python3/dist-packages (from ansible<2.10) (2.1.4)
Requirement already satisfied, skipping upgrade: Jinja2 in /usr/lib/python3/dist-packages (from ansible<2.10) (2.10)
Building wheels for collected packages: ansible
  Building wheel for ansible (setup.py) ... done
  Created wheel for ansible: filename=ansible-2.9.13-py3-none-any.whl size=16173087 sha256=749cd2b6c2e2d0ef72c4e354c4caaf3fb135e933838325158c8a33ceaa03103e
  Stored in directory: /root/.cache/pip/wheels/72/1c/ac/63be364e920735ac523abc18cce7c50ec9abb1a5c35f77eff5
Successfully built ansible
Installing collected packages: ansible
Successfully installed ansible-2.9.13
ridho@ubuntu-allinone:~$
```

8. Verifikasi Ansible

```
ridho@ubuntu-allinone:~$ ansible --version
ansible 2.9.13
  config file = None
  configured module search path = ['/home/ridho/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/local/lib/python3.6/dist-packages/ansible
  executable location = /usr/local/bin/ansible
  python version = 3.6.9 (default, Jul 17 2020, 12:50:27) [GCC 8.4.0]
ridho@ubuntu-allinone:~$
```

[illegible]

13. Tes Ping

```
ridho@ubuntu-allinone:~$ ansible -i all-in-one all -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
localhost | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
ridho@ubuntu-allinone:~$
```

14. Kolla-password

```
ridho@ubuntu-allinone:~$ kolla-genpwd
ridho@ubuntu-allinone:~$ cat /etc/kolla/passwords.yml | grep admin
grafana_admin_password: j80mMyjBCcWIUt3zcPD3zcWfixg2fs0jdX5K0FBc
heat_domain_admin_password: S4378Nrh2VEN9o2kIEVdZ4MvQ2vU9Uu8YnkMriS7
infoblox_admin_password: twirls1GRDAdfEb4tVsPLvKTspulCBZ57xFYwwMh
keystone_admin_password: NNggrgSsXgHnxr4IUnZs7BH6xvbF4g1IGIfex8z
monasca_grafana_admin_password: NGfVeZhP6pgdQ8pBQ7soYr4Iz6ubhn0wAJjvawje
ridho@ubuntu-allinone:~$
```

15. Edit file globals.yml (Disini menggunakan OS Ubuntu)

```
# Valid options are ['centos', 'debian', 'rhel', 'ubuntu']
#kolla_base_distro: "centos" (disesuaikan)

# Valid options are [ binary, source ]
#kolla_install_type: "binary" (disesuaikan)

#kolla_internal_vip_address: "10.10.10.254"
kolla_internal_vip_address: "10.119.216.252" (disesuaikan dengan IP pada interface pertama)

#network_interface: "eth0"
network_interface: "enp2s0" (disesuaikan dengan network interface pertama yang dipakai)

#neutron_external_interface: "eth1"
neutron_external_interface: "enp3s0" (disesuaikan dengan network interface kedua yang dipakai)
```

16. Lalu install docker dengan pip

```
ridho@ubuntu-allinone:~$ sudo -H pip install docker --proxy="152.118.29.41:8080"
Collecting docker
  Downloading docker-4.3.1-py2.py3-none-any.whl (145 kB)
    | 145 kB 466 kB/s
Collecting websocket-client>=0.32.0
  Downloading websocket-client-0.57.0-py2.py3-none-any.whl (200 kB)
    | 200 kB 748 kB/s
Requirement already satisfied: six>=1.4.0 in /usr/lib/python3/dist-packages (from docker) (1.11.0)
Requirement already satisfied: requests!=2.18.0,>=2.14.2 in /usr/lib/python3/dist-packages (from docker) (2.18.4)
Installing collected packages: websocket-client, docker
Successfully installed docker-4.3.1 websocket-client-0.57.0
ridho@ubuntu-allinone:~$
```

17. Setelah itu jalankan Bootstrap servers dengan kolla deploy dependencies

```
ridho@ubuntu-allinone:~$ kolla-ansible -i all-in-one bootstrap-servers
Bootstrapping servers : ansible-playbook -i all-in-one -e @/etc/kolla/globals.yml -e @/etc/kolla/passwords.yml -e CONFIG_DIR=/etc/kolla -e kolla_action=bootstrap-servers /usr/local/share/
kolla-ansible/ansible/kolla-host.yml
(WARNING): Invalid characters were found in group names but not replaced, use -vvvv to see details

PLAY [Gather facts for all hosts] *****

TASK [Gathering Facts] *****
ok: [localhost]

TASK [Group hosts to determine when using --limit] *****
changed: [localhost]
(WARNING): Could not match supplied host pattern, ignoring: all_using_limit_True

PLAY [Gather facts for all hosts (if using --limit)] *****
skipping: no hosts matched

PLAY [Apply role baremetal] *****

TASK [baremetal : include_tasks] *****
included: /usr/local/share/kolla-ansible/ansible/roles/baremetal/tasks/bootstrap-servers.yml for localhost

TASK [baremetal : include_tasks] *****
```

Sampai disini berhasil menjalankan perintah tersebut.

```
PLAY RECAP *****
localhost : ok=40 changed=11 unreachable=0 failed=0 skipped=31 rescued=0 ignored=0
```

18. Jalankan pre-deployment check untuk host

```
ridho@ubuntu-allinone:~$ kolla-ansible -i all-in-one prechecks
Pre-deployment checking : ansible-playbook -i all-in-one -e @/etc/kolla/globals.yml -e @/etc/kolla/passwords.yml -e CONFIG_DIR=/etc/kolla -e kolla_action=precheck /usr/local/share/kolla-
ansible/ansible/site.yml
(WARNING): Invalid characters were found in group names but not replaced, use -vvvv to see details
(WARNING): Could not match supplied host pattern, ignoring: enable_nova_True

PLAY [Gather facts for all hosts] *****

TASK [Gathering Facts] *****
ok: [localhost]

TASK [Group hosts to determine when using --limit] *****
changed: [localhost]
(WARNING): Could not match supplied host pattern, ignoring: all_using_limit_True

PLAY [Gather facts for all hosts (if using --limit)] *****
skipping: no hosts matched

PLAY [Group hosts based on configuration] *****

TASK [Group hosts based on Kolla action] *****
changed: [localhost]
```

Sampai disini berhasil menjalankan perintah tersebut.

```
PLAY RECAP *****
localhost : ok=97 changed=4 unreachable=0 failed=0 skipped=187 rescued=0 ignored=0
ridho@ubuntu-allinone:~$
```

19. Deploy openstack

```
ridho@ubuntu-allinone:~$ kolla-ansible -i all-in-one deploy
Deploying Playbooks : ansible-playbook -i all-in-one -e @/etc/kolla/globals.yml -e @/etc/kolla/passwords.yml -e CONFIG_DIR=/etc/kolla -e kolla_action=deploy /usr/local/share/kolla-ansible
/ansible/site.yml
(WARNING): Invalid characters were found in group names but not replaced, use -vvvv to see details
(WARNING): Could not match supplied host pattern, ignoring: enable_nova_True

PLAY [Gather facts for all hosts] *****

TASK [Gathering Facts] *****
ok: [localhost]

TASK [Group hosts to determine when using --limit] *****
changed: [localhost]
(WARNING): Could not match supplied host pattern, ignoring: all_using_limit_True

PLAY [Gather facts for all hosts (if using --limit)] *****
skipping: no hosts matched

PLAY [Group hosts based on configuration] *****

TASK [Group hosts based on Kolla action] *****
changed: [localhost]
```

Sampai disini sudah berhasil mendeploy openstack

```
PLAY RECAP *****
localhost : ok=371 changed=218 unreachable=0 failed=0 skipped=228 rescued=0 ignored=1
```

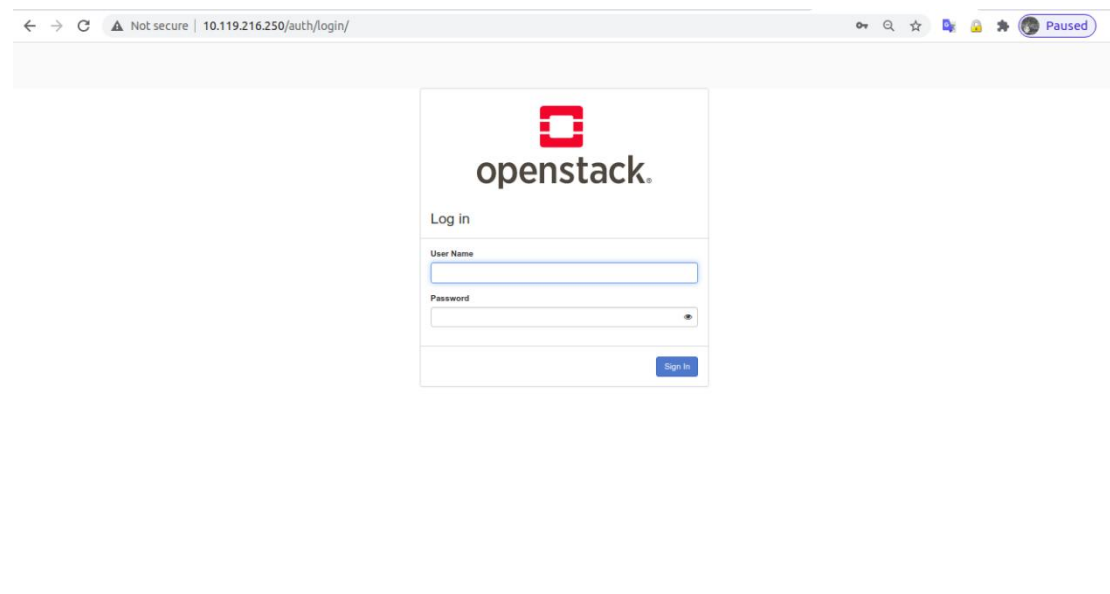
20. Install Openstack CLI Client

```
ridho@ubuntu-allynone:~$ sudo -H pip install python-openstackclient --proxy="152.118.29.41:8080"
Collecting python-openstackclient
  Downloading python-openstackclient-5.3.1-py3-none-any.whl (884 kB)
    |#####| 884 kB 2.6 MB/s
Collecting python-novaclient>=15.1.0
  Downloading python-novaclient-17.2.1-py3-none-any.whl (319 kB)
    |#####| 319 kB 16.0 MB/s
Requirement already satisfied: oslo.i18n>=3.15.3 in /usr/local/lib/python3.6/dist-packages (from python-openstackclient) (5.0.0)
Collecting python-keystoneclient>=3.22.0
  Downloading python-keystoneclient-4.1.0-py3-none-any.whl (390 kB)
    |#####| 390 kB 19.2 MB/s
Requirement already satisfied: oslo.utils>=3.33.0 in /usr/local/lib/python3.6/dist-packages (from python-openstackclient) (4.5.0)
Collecting osc-lib>=2.0.0
  Downloading osc-lib-2.2.1-py3-none-any.whl (83 kB)
    |#####| 83 kB 287 kB/s
Requirement already satisfied: six>=1.10.0 in /usr/lib/python3/dist-packages (from python-openstackclient) (1.11.0)
Requirement already satisfied: stevedore>=2.0.1 in /usr/local/lib/python3.6/dist-packages (from python-openstackclient) (3.2.1)
Requirement already satisfied: pbr!=2.1.0,>=2.0.0 in /usr/local/lib/python3.6/dist-packages (from python-openstackclient) (5.5.0)
Collecting cliff!=2.9.0,>=2.8.0
  Downloading cliff-3.4.0-py3-none-any.whl (76 kB)
    |#####| 76 kB 859 kB/s
Collecting openstacksdk>=0.48.0
  Downloading openstacksdk-0.49.0-py3-none-any.whl (1.3 MB)
    |#####| 1.3 MB 20.4 MB/s
Collecting python-cinderclient>=3.3.0
  Downloading python-cinderclient-7.1.0-py3-none-any.whl (271 kB)
    |#####| 271 kB 19.9 MB/s
Requirement already satisfied: iso8601>=0.1.1 in /usr/local/lib/python3.6/dist-packages (from python-novaclient>=15.1.0->python-openstackclient) (0.1.12)
```

21. OpenStack membutuhkan file openrc di mana kredensial untuk pengguna admin ditetapkan. Untuk menghasilkan file ini, jalankan seperti ini:

```
ridho@ubuntu-allynone:~$ kolla-ansible -i all-in-one post-deploy
Post-Deploying Playbooks : ansible-playbook -i all-in-one -e @etc/kolla/globals.yml -e @etc/kolla/passwords.yml -e CONFIG_DIR=/etc/kolla /usr/local/share/kolla-ansible/ansible/post-deploy.yml
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
PLAY [Creating admin openrc file on the deploy node] *****
TASK [Gathering Facts] *****
ok: [localhost]
TASK [Template out admin-openrc.sh] *****
changed: [localhost]
PLAY RECAP *****
localhost : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
ridho@ubuntu-allynone:~$
```

22. Sampai disini sudah berhasil mendeploy openstack dengan kolla-ansible.



B. Konfigurasi External Network dan Router

1. Cek bridge mapping

```
ridho@ubuntu-allinone:~$ sudo cat /etc/kolla/neutron-openvswitch-agent/openvswitch_agent.ini
[agent]
tunnel_types = vxlan
l2_population = true
arp_responder = true

[securitygroup]
firewall_driver = neutron.agent.linux.iptables_firewall.OVSHybridIptablesFirewallDriver

[ovs]
bridge_mappings = physnet1:br-ex
datapath_type = system
ovsdb_connection = tcp:127.0.0.1:6640
local_ip = 10.119.216.250

ridho@ubuntu-allinone:~$
```

2. Membuat eksternal network lewat dashboard

Admin - Network - Networks - Create Network

- Network

Create Network

Network Subnet Subnet Details

Name
ext-net

Project
admin

Provider Network Type
Flat

Physical Network
physnet1

☒ Enable Admin State

☒ Shared

☒ External Network

☒ Create Subnet

Availability Zone Hints
nova

Cancel Back Next

- Subnet

Create Network

Network

Subnet

Subnet Details

Subnet Name

subnet-ext

Network Address

10.119.216.0/24

IP Version

IPv4

Gateway IP

10.119.216.1

☐ Disable Gateway

Creates a subnet associated with the network. You need to enter a valid "Network Address" and "Gateway IP". If you did not enter the "Gateway IP", the first value of a network will be assigned by default. If you do not want gateway please check the "Disable Gateway" checkbox. Advanced configuration is available by clicking on the "Subnet Details" tab.

Cancel

Back

Next

- Subnet Details

Create Network

Network

Subnet

Subnet Details

☒ Enable DHCP

Specify additional attributes for the subnet.

Allocation Pools

10.119.216.10,10.119.216.200

DNS Name Servers

152.118.24.4
8.8.8.8

Host Routes

Cancel

Back

Create

3. Membuat Router

Project - Network - Routers - Create Router

Create Router

Router Name

router-0

Description:

Creates a router with specified parameters.

☒ Enable Admin State

External Network

ext-net

Availability Zone Hints

nova

Cancel

Create Router

C. Membuat Instance

1. Create Project, dimana disini berfungsi sebagai tempat untuk membuat berapa instance.

Create Project

Project Information *

Project Members

Project Groups

Domain ID

default

Domain Name

Default

Name *

oprek

Description

Enabled

☒

Cancel

Create Project

2. Lalu membuat user

Create User

Domain ID

default

Domain Name

Default

User Name *

ridho

Description

Email

Password *

.....

Confirm Password *

.....

Primary Project

oprek

Role

member

☒ Enabled

☐ Lock password

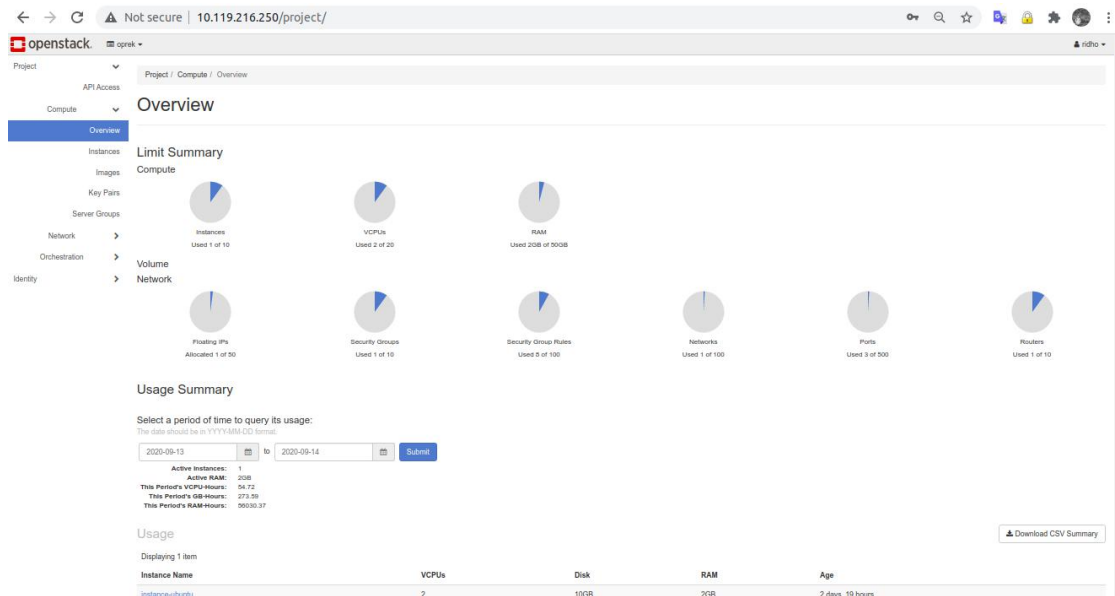
Description:

Create a new user and set related properties including the Primary Project and Role.

Cancel

Create User

3. Setelah itu login, jika berhasil seperti dibawah ini telah menggunakan user dan project yang telah dibuatkan.



4. Kemudian membuat Network Internal

- ❖ Network
Project - Network - Networks - Create Network

The screenshot shows the 'Create Network' wizard. The 'Network' tab is selected. The 'Network Name' field contains 'int-net'. The 'Enable Admin State' checkbox is checked. The 'Create Subnet' checkbox is also checked. The 'Availability Zone Hints' dropdown menu is open, showing 'nova'. The wizard includes 'Cancel', 'Back', and 'Next' buttons at the bottom right.

❖ Subnet

Create Network

Network

Subnet

Subnet Details

Subnet Name

subnet-internal

Network Address ⓘ

192.168.20.0/24

IP Version

IPv4

Gateway IP ⓘ

192.168.20.1

☐ Disable Gateway

Creates a subnet associated with the network. You need to enter a valid "Network Address" and "Gateway IP". If you did not enter the "Gateway IP", the first value of a network will be assigned by default. If you do not want gateway please check the "Disable Gateway" checkbox. Advanced configuration is available by clicking on the "Subnet Details" tab.

Cancel

« Back

Next »

Create Network

Network

Subnet

Subnet Details

☒ Enable DHCP

Specify additional attributes for the subnet.

Allocation Pools ⓘ

192.168.20.10,192.168.20.100

DNS Name Servers ⓘ

152.118.24.4
8.8.8.8

Host Routes ⓘ

Cancel

« Back

Create

❖ Menambah Interface pada router ke network internal
Project - Network - Routers - Router - Interfaces - Add Interface

Add Interface

Subnet *

internal: 192.168.1.0/24 (sub-int)

IP Address (optional) ⓘ

Description:

You can connect a specified subnet to the router.
If you don't specify an IP address here, the gateway's IP address of the selected subnet will be used as the IP address of the newly created interface of the router. If the gateway's IP address is in use, you must use a different address which belongs to the selected subnet.

Cancel

Submit

5. Keypair

- ❖ Generate public key id_rsa.pub di server, dengan menjalankan ssh-keygen
- ❖ Copy id_rsa.pub
- ❖ Import public key di dashboard
 - Project - Compute - Key Pairs - Import Public Key

Import Public Key

Key Pair Name *
key-pair ✓

Key Type *
SSH

Load Public Key from a file
Choose File No file chosen

Public Key * (Modified) Content size: 401 bytes of 16.00 KB

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCAQC8iev9Tr8DSTCVMDhVC00EwRDiUKGg6kWiWgidYRxcrvJ6OcpI7G9b
/laEINtGEcorMopQsbZApXMQSub6RRC6KLeN/dnWCTLwj2anMy8CM2f9GB2JuP57VNEZQXhIRABSDILg/wPQQPy
A1ldQcQif+Kij3iNFcTMSipcQib/IFLR08URydyN+sB8e/DTX84o4IDCwUgcIXbMx09GMhG/RPcK9TkmlUQmgfJBn+
PwEqSh3mMseeT4DHrQ7odr39wLpCQwCE3/nakSXbKPlzPCUsN9RvYgoMqYzzzDrZi6k85BnLVQySki/UogolNpX
l1k6ryZMijUvzhZ root@ubuntu-allinone
```

✕ Cancel Import Public Key

6. Import Image

- ❖ Project - Compute - Images - Create Image

Create Image

Image Details

Specify an image to upload to the Image Service.

Image Name
bionic-server-cloudimg-amd64.img

Image Description

Image Source

File *
Browse... bionic-server-cloudimg-amd64.img

Format *
QCOW2 - QEMU Emulator

Image Requirements

Kernel
Choose an image

Ramdisk
Choose an image

Architecture

Minimum Disk (GB) *
0

Minimum RAM (MB) *
0

Image Sharing

Visibility
Private Shared Community

Protected
Yes No

✕ Cancel < Back Next > Create Image

❖ Sampai disini image sudah berhasil di upload.

Images

Q Click here for filters or full text search.							+ Create Image	Delete Images
Displaying 1 item								
<input type="checkbox"/>	Name	Type	Status	Visibility	Protected	Disk Format	Size	
<input type="checkbox"/>	bionic-server-cloudimg-amd64	Image	Active	Public	No	QCOW2	340.81 MB	Launch
Displaying 1 item								

- Setelah itu membuat instance
Project - Compute - Instances - Launch Instance

##Details

Instance-Name = Instance-ubuntu

Launch Instance

Details

Source

Flavor

Networks

Network Ports

Security Groups

Key Pair

Configuration

Server Groups

Scheduler Hints

Metadata

Please provide the initial hostname for the instance, the availability zone where it will be deployed, and the instance count. Increase the Count to create multiple instances with the same settings.

Instance Name *

instance-ubuntu

Description

Availability Zone

nova

Count *

1

Total Instances (10 Max)

10%

0 Current Usage

1 Added

9 Remaining

Cancel

< Back

Next >

Launch Instance

##Source

Allocated = "bionic"

Launch Instance

Details

Source

Flavor

Networks

Network Ports

Security Groups

Key Pair

Configuration

Server Groups

Scheduler Hints

Metadata

Instance source is the template used to create an instance. You can use an image, a snapshot of an instance (image snapshot), a volume or a volume snapshot (if enabled). You can also choose to use persistent storage by creating a new volume.

Select Boot Source

Image

Allocated

Displaying 1 item

Name	Updated	Size	Type	Visibility
bionic-server-cloudimg-amd64	9/11/20 7:23 AM	340.81 MB	QCOW2	Public

Displaying 1 item

Available

Select one

Q Click here for filters or full text search.

Displaying 0 items

Name	Updated	Size	Type	Visibility
No items to display.				

Displaying 0 items

Cancel

< Back

Next >

Launch Instance

##Flavor
Allocated = "flavor"

Launch Instance

Details

Source

Flavor

Networks *

Network Ports

Security Groups

Key Pair

Configuration

Server Groups

Scheduler Hints

Metadata

Flavors manage the sizing for the compute, memory and storage capacity of the instance.

Allocated

Name	VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public
> flavor	2	2 GB	10 GB	10 GB	0 GB	Yes

▼ Available 0

Select one

Q Click here for filters or full text search.

Name	VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public
------	-------	-----	------------	-----------	----------------	--------

✕ Cancel

< Back

Next >

Launch Instance

##Network
Allocated = "Int-net"

Launch Instance

Details

Source

Flavor

Networks

Network Ports

Security Groups

Key Pair

Configuration

Server Groups

Scheduler Hints

Metadata

Networks provide the communication channels for instances in the cloud.

▼ Allocated 1

Select networks from those listed below.

Network	Subnets Associated	Shared	Admin State	Status
1 > int-net	subnet-internal	No	Up	Active

▼ Available 1

Select at least one network

Q Click here for filters or full text search.

Network	Subnets Associated	Shared	Admin State	Status
> ext-net	subnet-ext	Yes	Up	Active

✕ Cancel

< Back

Next >

Launch Instance

##Security Group Allocated = "Default"

Launch Instance

Details

Source

Flavor

Networks

Network Ports

Security Groups

Key Pair

Configuration

Server Groups

Scheduler Hints

Metadata

Select the security groups to launch the instance in.

▼ Allocated 1

Displaying 1 item

Name	Description
> default	Default security group

Displaying 1 item

▼ Available 0

Select one or more

Q Click here for filters or full text search.

Displaying 0 items

Name	Description
No items to display.	

Displaying 0 items

✕ Cancel

< Back

Next >

Launch Instance

##Keypair Allocated = "key-pair"

Launch Instance

Details *

Source

Flavor *

Networks *

Network Ports

Security Groups

Key Pair

Configuration

Server Groups

Scheduler Hints

Metadata

A key pair allows you to SSH into your newly created instance. You may select an existing key pair, import a key pair, or generate a new key pair.

+ Create Key Pair

Import Key Pair

Allocated

Displaying 1 item

Name	Type	Fingerprint
> key-pair	ssh	62:5a:c6:ff:c1:4a:d3:ba:75:e7:23:34:64:f7:eb:b6

Displaying 1 item

▼ Available 0

Select one

Q Click here for filters or full text search.

Displaying 0 items

Name	Type	Fingerprint
No items to display.		

Displaying 0 items

✕ Cancel

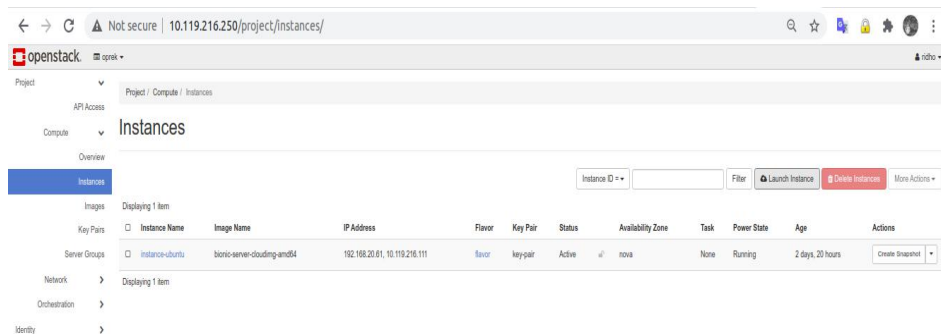
< Back

Next >

Launch Instance

**Selain konfigurasi di atas biarkan default

8. Sampai disini sudah bisa membuat instance



9. Associate Floating IP agar bisa diakses dari luar
Action - Associate Floating IP

Allocate Floating IP

Pool *

ext-net

Description

Description:

Allocate a floating IP from a given floating IP pool.

Project Quotas

Floating IP 0 of 50 Used

Cancel

Allocate IP

Associate ke Instance ubuntu

Manage Floating IP Associations

IP Address *

10.119.216.111

Port to be associated *

instance-ubuntu: 192.168.20.61

Select the IP address you wish to associate with the selected instance or port.

Cancel

Associate

10. SSH ke instance Ubuntu melalui floating IP

```
root@ubuntu-allinone:~# ssh ubuntu@10.119.216.111
The authenticity of host '10.119.216.111 (10.119.216.111)' can't be established.
ECDSA key fingerprint is SHA256:j4kPZZvAPYwKwqM3ibH8W2T9DCZIDFH5eyZnKBAdh78.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.119.216.111' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.15.0-117-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Fri Sep 11 08:10:19 UTC 2020
System load:  0.0               Processes:    90
Usage of /:   10.5% of 9.52GB   Users logged in: 0
Memory usage: 6%               IP address for ens3: 192.168.20.61
Swap usage:   0%

0 packages can be updated.
0 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@instance-ubuntu:~$
```