

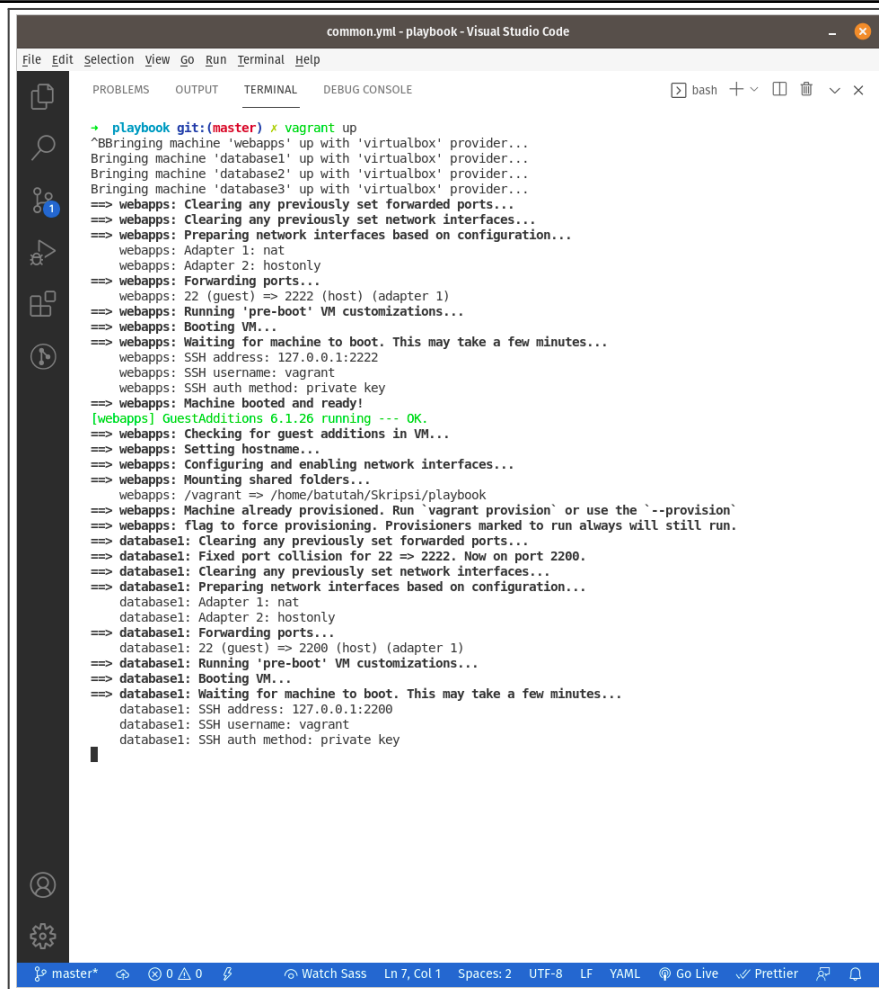
Cara Menjalankan Program

1. Masuk ke dalam direktori playbook

```
cd playbook
```

2. Jalankan vagrant

```
vagrant up
```



```
common.yml - playbook - Visual Studio Code
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
bash + - + - x x
+ playbook git:(master) x vagrant up
^BBringing machine 'webapps' up with 'virtualbox' provider...
Bringing machine 'database1' up with 'virtualbox' provider...
Bringing machine 'database2' up with 'virtualbox' provider...
Bringing machine 'database3' up with 'virtualbox' provider...
==> webapps: Clearing any previously set forwarded ports...
==> webapps: Clearing any previously set network interfaces...
==> webapps: Preparing network interfaces based on configuration...
webapps: Adapter 1: nat
webapps: Adapter 2: hostonly
==> webapps: Forwarding ports...
webapps: 22 (guest) => 2222 (host) (adapter 1)
==> webapps: Running 'pre-boot' VM customizations...
==> webapps: Booting VM...
==> webapps: Waiting for machine to boot. This may take a few minutes...
webapps: SSH address: 127.0.0.1:2222
webapps: SSH username: vagrant
webapps: SSH auth method: private key
==> webapps: Machine booted and ready!
[webapps] GuestAdditions 6.1.26 running --- OK.
==> webapps: Checking for guest additions in VM...
==> webapps: Setting hostname...
==> webapps: Configuring and enabling network interfaces...
==> webapps: Mounting shared folders...
webapps: /vagrant => /home/batutah/Skripsi/playbook
==> webapps: Machine already provisioned. Run 'vagrant provision' or use the '--provision'
==> webapps: flag to force provisioning. Provisioners marked to run always will still run.
==> database1: Clearing any previously set forwarded ports...
==> database1: Fixed port collision for 22 => 2222. Now on port 2200.
==> database1: Clearing any previously set network interfaces...
==> database1: Preparing network interfaces based on configuration...
database1: Adapter 1: nat
database1: Adapter 2: hostonly
==> database1: Forwarding ports...
database1: 22 (guest) => 2200 (host) (adapter 1)
==> database1: Running 'pre-boot' VM customizations...
==> database1: Booting VM...
==> database1: Waiting for machine to boot. This may take a few minutes...
database1: SSH address: 127.0.0.1:2200
database1: SSH username: vagrant
database1: SSH auth method: private key
```

3. Jalankan playbook webapps.yml

```
cd ansible
ansible-playbook -i hosts.ini webapps.yml
```

```
ansible git:(master) ansible-playbook -i hosts.ini webapps.yml
PLAY [Setup Webserver and Loadbalancer Server] *****
TASK [Gathering Facts] *****
ok: [webapp]

TASK [common : Update all packages] *****
changed: [webapp]

TASK [common : Be sure common packages is installed] *****
ok: [webapp]

TASK [common : include tasks] *****
included: /home/batutah/Skripsi/playbook/ansible/roles/common/tasks/add-pubkey.yml for webapp

TASK [common : Copy batutah pubkey] *****
ok: [webapp] => [item=ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTQ1ZmZlZmY0YmY0NTYAAABBB3ZU9pI+vu0mZjAxsNCN4wS0KHVVAHDEI2E1DYt1BhBpcnu/D2Yxm1CCeW/gL
UFC+T8Fv6s5AwZmY6s= batutah)
ok: [webapp] => [item=ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTQ1ZmZlZmY0YmY0NTYAAABBB3ZU9pI+vu0mZjAxsNCN4wS0KHVVAHDEI2E1DYt1BhBpcnu/D2Yxm1CCeW/gL
N0XDPI06K0dFBI6sZcLI= m-batutah)

TASK [geerlinguy.redis : Include OS-specific variables.] *****
ok: [webapp]

TASK [geerlinguy.redis : Define redis package.] *****
ok: [webapp]

TASK [geerlinguy.redis : Ensure Redis configuration dir exists.] *****
ok: [webapp]

TASK [geerlinguy.redis : Ensure Redis is configured.] *****
ok: [webapp]

TASK [geerlinguy.redis : include tasks] *****
skipping: [webapp]

TASK [geerlinguy.redis : include tasks] *****
included: /home/batutah/Skripsi/playbook/ansible/roles/geerlinguy.redis/tasks/setup-Debian.yml for webapp

TASK [geerlinguy.redis : Ensure Redis is installed.] *****
ok: [webapp]

TASK [geerlinguy.redis : include tasks] *****
skipping: [webapp]

TASK [geerlinguy.redis : Ensure Redis is running and enabled on boot.] *****
ok: [webapp]
```

4. Jalankan playbook postgresql-cluster.yml

```
ansible-playbook -i hosts.ini postgresql-cluster.yml
```

```
postgresl-cluster.yml - Visual Studio Code
PLAY RECAP *****
webapp : ok=49 changed=6 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

- ansible git:(master) ansible-playbook -i hosts.ini postgresql-cluster.yml
PLAY [Setup High Availability postgresql] *****
TASK [Gathering Facts] *****
ok: [database1]

TASK [common : Update all packages] *****
changed: [database1]

TASK [common : Be sure common packages is installed] *****
ok: [database1]

TASK [common : include tasks] *****
included: /home/batutah/Skripsi/playbook/ansible/roles/common/tasks/add-pubkey.yml for database1

TASK [common : Copy batutah pubkey] *****
ok: [database1] => [item=ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTQ1ZmZlZmY0YmY0NTYAAABBB3ZU9pI+vu0mZjAxsNCN4wS0KHVVAHDEI2E1DYt1BhBpcnu/D2Yxm1CCeW
/gLUFc+T8Fv6s5AwZmY6s= batutah)
ok: [database1] => [item=ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTQ1ZmZlZmY0YmY0NTYAAABBB3ZU9pI+vu0mZjAxsNCN4wS0KHVVAHDEI2E1DYt1BhBpcnu/D2Yxm1CCeW
c4CN0XDPI06K0dFBI6sZcLI= m-batutah)

TASK [ha-postgresql : include tasks] *****
included: /home/batutah/Skripsi/playbook/ansible/roles/ha-postgresql/tasks/prepare.yml for database1

TASK [ha-postgresql : Add mappings to /etc/hosts] *****
ok: [database1] => [item={'ip': '192.168.100.3', 'hostname': 'database1'})]
ok: [database1] => [item={'ip': '192.168.100.4', 'hostname': 'database2'})]
ok: [database1] => [item={'ip': '192.168.100.5', 'hostname': 'database3'})]

TASK [ha-postgresql : update repo] *****
ok: [database1]

TASK [ha-postgresql : Install common dependency] *****
ok: [database1]

TASK [ha-postgresql : update timezone to Asia/Jakarta] *****
ok: [database1]

TASK [ha-postgresql : update pip3 latest] *****
ok: [database1]

TASK [ha-postgresql : Install setuptools on pip3] *****
ok: [database1]

TASK [ha-postgresql : Upgrade setuptools on pip3] *****
ok: [database1]
```

5. Mapping local domain ke /etc/hosts

```
echo "192.168.100.2 kliniq.local" | sudo tee -a /etc/hosts
```

```
+ playbook git:(master) x echo "192.168.100.2 kliniq.local" | sudo tee -a /etc/hosts
192.168.100.2 kliniq.local
+ playbook git:(master) x tail -n 3 /etc/hosts

192.168.100.2 kliniq.local
192.168.100.2 kliniq.local
+ playbook git:(master) x █
```