

#### Server: SSH Tunnel

Install net-tools

คำสั่งสำหรับแสดงข้อมูลสถานะการเชื่อมต่อของ Network

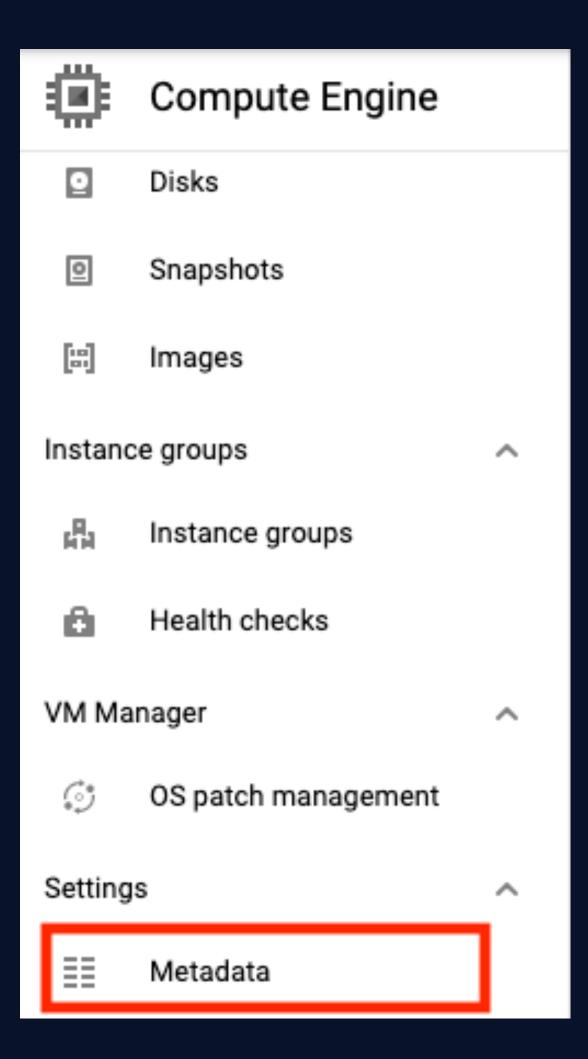
sudo apt install net-tools

Generate RSA

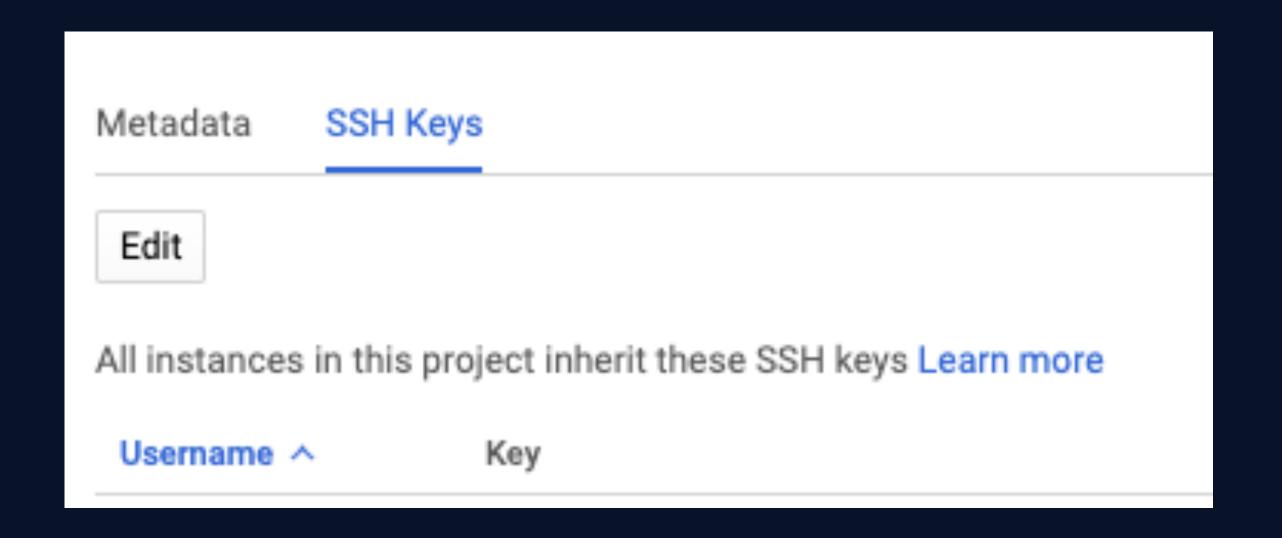
ssh-keygen -t rsa

copy public key to gpc vm -> Metadata -> ssh keys

cat ./.ssh/id\_rsa.pub



Click SSH Keys & click edit to copy/past public key



Generate RSA

ssh-keygen -t rsa

copy public key to gpc vm -> Metadata -> ssh keys

cat ./.ssh/id\_rsa.pub

nano ./.ssh/config

Host tunnel

HostName tunnel.xxx.com

User pi

IdentityFile ~/.ssh/id\_rsa

IdentitiesOnly yes

install autossh

sudo apt install autossh -y

install supervisor

sudo apt install supervisor -y

Config ssh-forward.conf

/etc/supervisor/conf.d/ssh-forward.conf

Pi 1

autossh -M 10001 -f -N -R 10000:localhost:22 tunnel

Pi 2

autossh -M 10003 -f -N -R 10002:localhost:22 tunnel

Note : 1 เครื่องจะใช้ 2 port เครื่องต่อไปจึงเป็นเครื่องเลขคี่

#### ssh-forward.conf

```
[program:ssh-forward]
process_name=%(program_name)s_%(process_num)02d
command=/usr/bin/autossh -M 10001 -N -R 10000:localhost:22 tunnel
autostart=true
autorestart=true
user=pi
numprocs=1
redirect_stderr=true
stdout_logfile=/var/log/ssh-forward.log
```

test ssh login

ssh pi@tunnel.xxx.com

#### Local computer

~/.ssh/config

Host tunnel

HostName tunnel.xxx.com

User <User>

IdentityFile ~/.ssh/<Key>

IdentitiesOnly yes

#### Local computer

~/.ssh/config

Host tunnel

HostName tunnel.xxx.com

User montol

IdentityFile ~/.ssh/gcp\_montol

IdentitiesOnly yes

#### Local computer

Open connection

ssh -N -L 9090:localhost:10000 montol@tunnel

Login local to pi

ssh pi@localhost -p 9090

#### Server

Check port

sudo -l

netstat -tulpn | grep 10000

netstat -tulpn | grep 10001

#### Instant Crush - Daft Punk ft. Julian Casablancas

