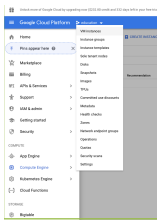
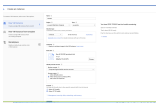
GCP

go to compute engine



select VM instance

Subtopic 1



create instances

config

network config

set external IP address

change dynamic address to static

outcome

set firewall rules

create new firewall rule

set conf

outcome

install python & set jupyter

steps

check this blog

http://blog.impiyush.com/2015/02/running-ipython-notebook-server-on-aws.html

step1: install anaconda

https://repo.continuum.io/archive/index.html

wget https://repo.continuum.io/archive/Anaconda3-2018.12-Linux-x86_64.sh

bash Anaconda3-5.3.0-Linux-x86.sh

step2: check python version

python -V

if python is above 3.6 ok

else source ~/.bashrc check python again

step3: setup passwd

ipython

from IPython.lib import passwd

passwd()

quit()

step4: setup jupyter notebook config

jupyter notebook --generate-config

mkdir certs

cd certs

sudo openssl req -x509 -nodes -days 365 -newkey rsa:1024 -keyout mycert.key -out mycert.pem

vim ~/.jupyter/jupyter_notebook_config.py

```
c = get_config()

# Kernel config
c.IPKernelApp.pylab = 'inline'  # if you want plotting support always in your notebook

# Notebook config
c.NotebookApp.certfile = u'/home/zl2528/certs/mycert.pem' #location of your certificate file
c.NotebookApp.keyfile = u'/home/zl2528/certs/mycert.key' #location of your certificate key
c.NotebookApp.ip = '0.0.0.0'
c.NotebookApp.open_browser = False  #so that the ipython notebook does not opens up a browser by default
c.NotebookApp.password = u'sha1:6599a4bbeafa:c28ba780f13790d3437bd649968494b913e520e0' # the encrypted password we generated above
# It is a good idea to put it on a known, fixed port
c.NotebookApp.port = 8888
```

replace password, ip and certfile place

step 5: run jupyter notebook

optional: allow specific user to access: set meta data, ssh key

set Meta data under compute engine

click ssh key

add ssh key

ssh key is created by user, need to google utube for how to create ssh key

optional: connect to cloud

ssh username@externalip