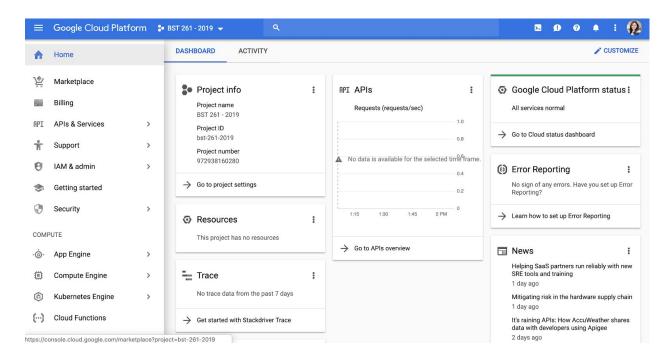
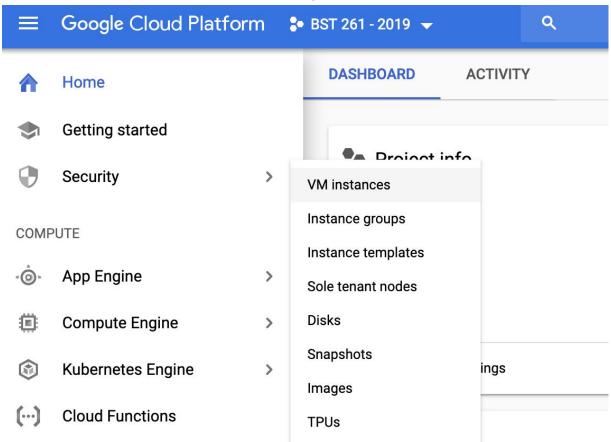
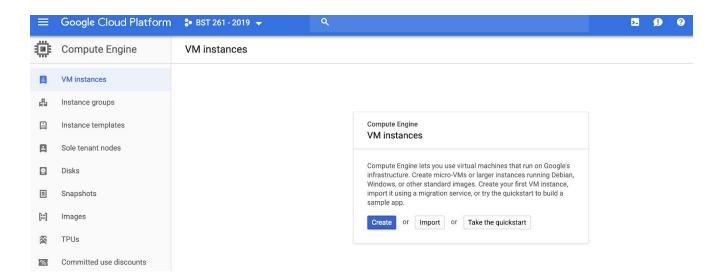
1. Go to console.cloud.google.com.



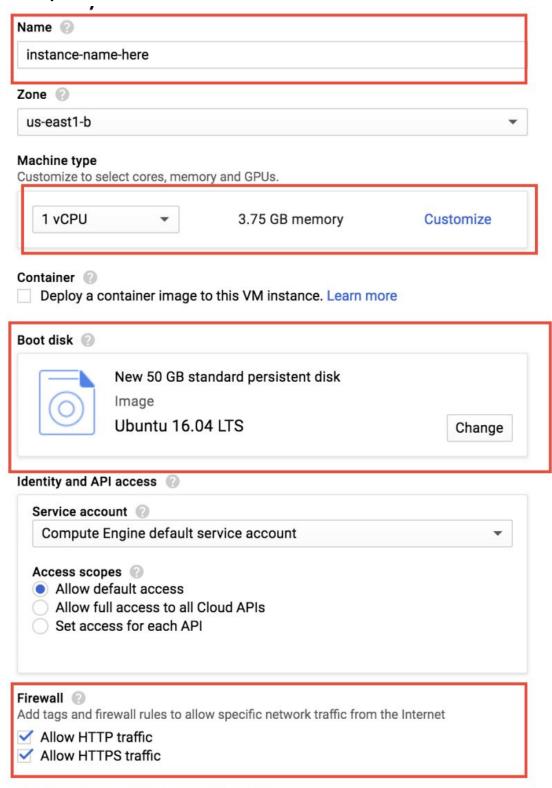
2. On the left side menu, mouse over Compute Engine, and select VM instances.



3. Select Create Instance.



4. Complete the form according to the following configuration. Substitute an instance name of your choice. Select Create.



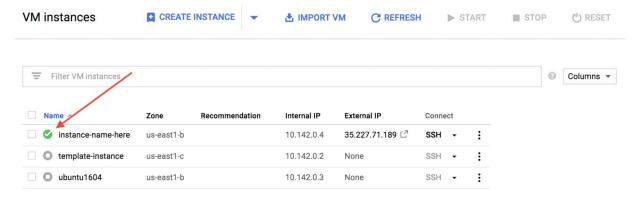
Management, disks, networking, SSH keys

5. Boot Disk: click on the Change button. Select Ubuntu 16.04 LTS and type in 50 GB at the bottom.

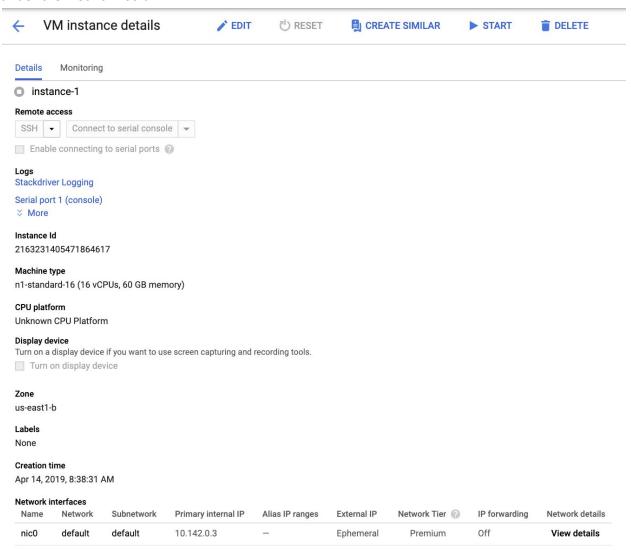
Select an image or snapshot to create a boot disk; or attach an existing disk

OS images	Application images	Custom	images	Snapshots	Existing disks
	NU/Linux 8 (jessie)				
	lt on v20180206				
	NU/Linux 9 (stretch)				
	lt on v20180206				
CentOS 6	ilt on v20180205				
CentOS 7	111 011 720 180205				
O	ilt on v20180129				
	lpha 1675.0.1				
	published on 2018-02-02				
	eta 1662.1.0				
	published on 2018-02-02				
	table 1632.2.1				
amd64-usr published on 2018-02-02					
○ Ubuntu 14	1.04 LTS				
amd64 tru	ety image built on 2018 01	22			
Ubuntu 16					
	nial image built on 2018-01	-26			
Obuntu 17		06			•
amd64 artful image built on 2018-01-26 Container-Optimized OS 65-10323.23.0 beta					
			ocker: 17 N	3.2	
Kernel: ChromiumOS-4.4.111 Kubernetes: 1.8.7 Docker: 17.03.2 Container-Optimized OS 66-10385.0.0 dev					
Kernel: ChromiumOS-4.4.114 Kubernetes: 1.8.7 Docker: 17.03.2					
Container-Optimized OS 64-10176.62.0 stable					
Kernel: ChromiumOS-4.4.96 Kubernetes: 1.8.7 Docker: 17.03.2					
Red Hat Enterprise Linux 6					
x86_64 built on v20180205					
Red Hat Enterprise Linux 7					
x86_64 built on v20180129					
SUSE Linux Enterprise Server 11 SP4					
	ilt on 2018-01-04				
	ux Enterprise Server 12 S	P3			
X86_64 DU	ilt on 2018-02-14	DO F 04F	06 64		
Can't find what you're looking for? Explore hundreds of VM solutions in Cloud Launcher					
Curry and what you're looking for: Explore numbers of vivi solutions in cloud Edulicher					
Boot disk type	. @		Size (GB)	0	
Standard pe	rsistent disk	~	50		

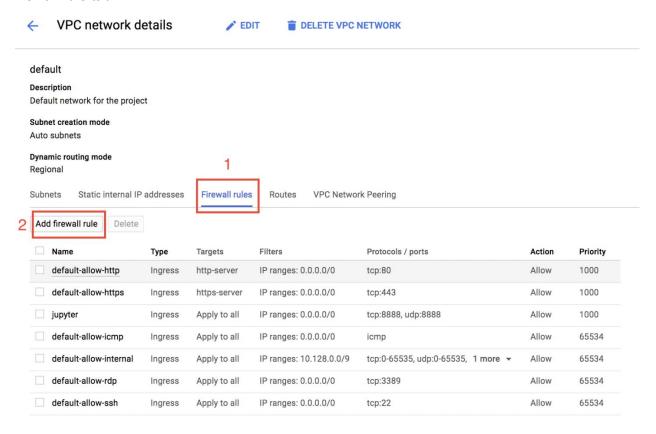
6. You will return to the VM instance list, and an icon will be on the left of the instance name that you created. Wait for a green checkmark to appear. Click on your instance.



7. In the VM instance detail, scroll to the Network interfaces entry, and select default, under the Network column.



8. In the VPC network details screen, first select the Firewall Rules tab, and then select the Add firewall rule tab.



9. Complete the form with the following configuration. jupyter Description Network default **Priority** 1000 Direction Ingress Action on match Allow **Targets** All instances in the network Source filter 🔞 IP ranges 0.0.0.0/0 Second source filter None Protocols and ports Allow all Specified protocols and ports tcp:8888; udp:8888 Cancel Save

10. Return to your VM instances, either by selecting the blue arrow next to VPC network details twice, or by going to console.cloud.google.com/compute/instances. Select the arrow next to SSH in the row of your instance, and select Open in browser window.



11. Enter the following commands **one at a time**. Press Y and enter when prompted.

sudo apt-get install python-pip
sudo pip install tensorflow
sudo apt-get install ipython
sudo apt-get install python3-pip
pip3 install --upgrade setuptools
pip3 install keras
sudo pip3 install jupyter
sudo jupyter notebook --ip 0.0.0.0 --port 8888 --allow-root

12. Construct the url for your notebook by combining the following two pieces: the external IP of your instance, and the sequence following 0.0.0.0 that results from the console.

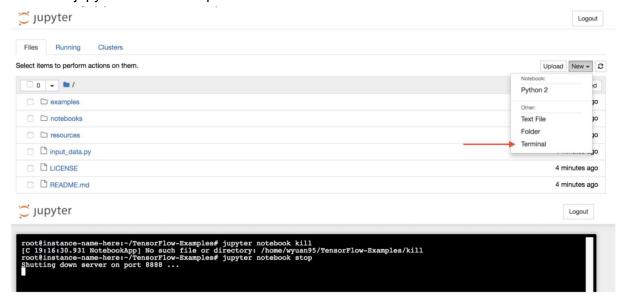


```
wyuan95@instance-name-here:~/TensorFlow-Examples$ sudo jupyter notebook --ip 0.0.0.0 --port 8888 --allow-root
[I 19:12:58.539 NotebookApp] Writing notebook server cookie secret to /home/wyuan95/.local/share/jupyter/runtime/notebook_cookie_secret
[I 19:12:59.018 NotebookApp] Serving notebooks from local directory: /home/wyuan95/TensorFlow-Examples
[I 19:12:59.019 NotebookApp] 0 active kernels
[I 19:12:59.019 NotebookApp] The Jupyter Notebook is running at:
[I 19:12:59.019 NotebookApp] The Jupyter Notebook is running at:
[I 19:12:59.019 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[W 19:12:59.019 NotebookApp] No web browser found: could not locate runnable browser.
[C 19:12:59.020 NotebookApp]

Copy/paste this URL into your browser when you connect for the first time,
to login with a token:
    http://0.0.0.0:8888/?token=8a5c05c195a0d24e273b2f2297ec655fb34cecf2600d1be3
```

The url here would be https://35.227.71.189:8888/token=(letters and numbers). Your should be similar. Enter the url in your browser. Now you can upload data and/or a Jupyter notebook and work.

13. To close the notebook, select the New dropdown menu, and select Terminal. Enter the command: jupyter notebook stop



14. To shut off your instance, return to the VM instances page, select the three dots in the row of your instance, and select Stop. **This is important to avoid be charged for an instance that you are not using.**

