Following

PART 1 <https://www.youtube.com/watch?v=zzMCKv1g5z0>

PART 2 <https://www.youtube.com/watch?v=gMDQZPoMECE>

1. Open a fresh Chrome screen

2. Log into Google (if not pre-logged in)

3. Go to <https://console.cloud.google.com>

4. Optional: click on the current project dropdown on the top icon bar: a pop-up opens.

5. Select "NEW PROJECT"

6. Enter Project Name = "Aditya"

7. Click on the "Create" button

8. Alternatively, use the current project (e.g., 'windows1')

9. Open Navigation Menu (UL Corner) 🡺 Compute engine 🡺 VM Instances

10. In the VM Instances panel, click on the "Create" button

11. Name = "instance-2" (or whatever name you want)

12. Zone = "us-west1-b" (or whatever name you want)

13. Machine Type = "8 CPUs" (or whatever else you want)

14. Boot disk = "Ubuntu 16.04 LTS" (or whatever else you want)

15. Select HTTP and HTTPs

16. Click on the "disks" link

17. Unclick the "Delete boot disk when instance is deleted" (Q: TOM: WHY ? TRY IT THE OTHER WAY TOO)

18. Click on the "Create"button at the bottom

19. Assume the external IP for instance-2 = 35.230.8.215

20. Remember to STOP instance-2 after you're done (or delete it). Click in its check box first.

21. Open Navigation Menu (UL Corner) 🡺 NETWORKING/VPC Network 🡺 External IP Addresses

22. For instance-2, change Ephemeral to Static

23. In the Name, put in something like "aditya2" (or whatever)

24. In the open "VPC network" LHS panel, click on "Firewall rules"

25. At the top panel, click on "CREATE FIREWALL RULE"

26. In the Name, put in something like "aditya3" (or whatever)

27. Change "Targets" from "Specified Target Tags" to "All instances in the network"

28. Change "Source IP ranges" to "0.0.0.0/0"

29. Change "Protocols and ports" to "tcp:1000" (or whatever)

30. Click on "Create" and wait for it to complete

31. Open Navigation Menu (UL Corner) 🡺 Compute Engine 🡺 VM Instances

32. Click on SSH 🡺 "Open in browser window" click twice if necessary

33. $ sudo apt-get update

34. $ sudo apt-get --assume-yes upgrade

35. $ sudo apt-get --assume-yes install software-properties-common

36. $ sudo apt-get install python-setuptools python-dev build-essential

37. $ sudo easy\_install pip

38. $ sudo pip install jupyter

39. $ jupyter notebook --generate-config

40. $ sudo nano ~/.jupyter/jupyter\_notebook\_config.py

41. Add these four lines to the top of the file

c = get\_config()

c.notebookApp.ip = '\*'

c.notebookApp.open\_browser = False

c.notebookApp.port = 1000

42. Close and save:

ctrl\*O

<enter>

ctrl\*X

43. $ tmux

Ctrl-b

"

(opens dual terminal)

44. $ jupyter notebook password

1q!Q3e#E

45. $ jupyter notebook --no-browser --port=5000

Returns "running at http://localhost:1039/ "

43. Load 35.230.8.215:5000 in Firefox