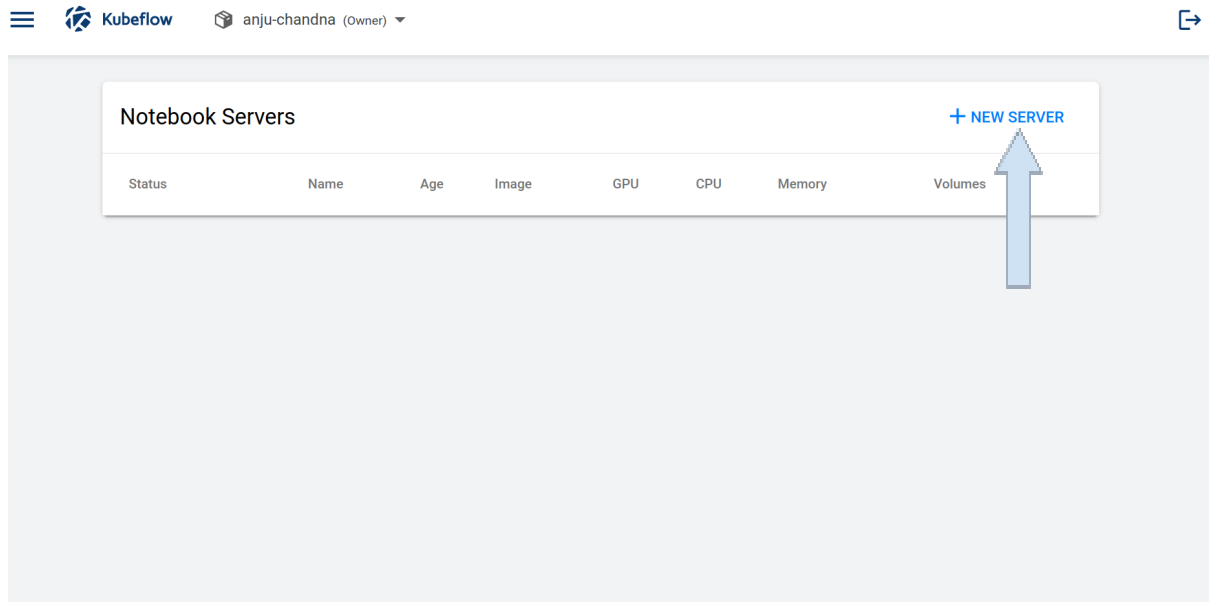
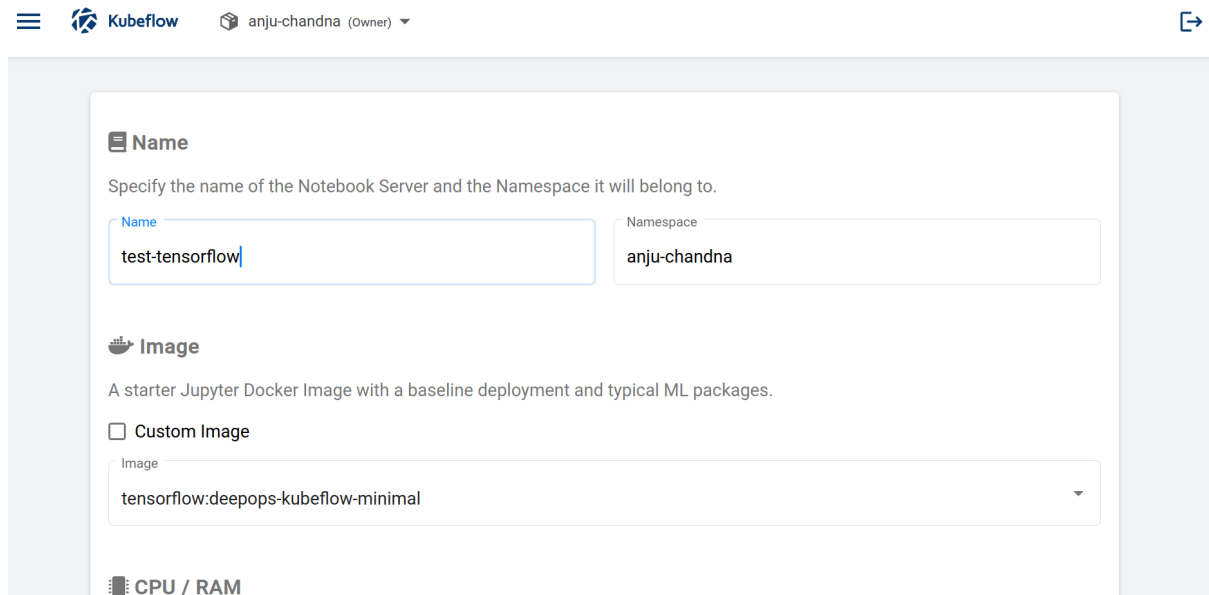


Step 1: After logging in with your credentials at <http://192.168.12.1:31380>, go to “Notebook Servers” on the left sidebar

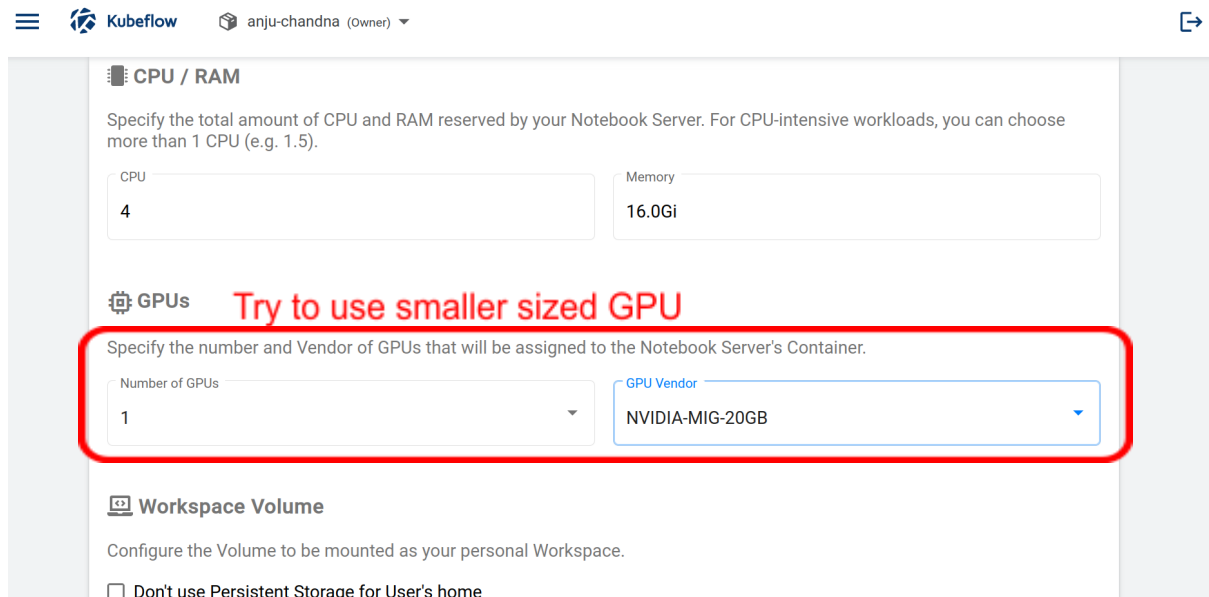
Step 2: Select “New Server”



Step 3: Give a name to the notebook server and select an image of the ML framework

The screenshot shows the 'New Server' configuration form in the Kubeflow interface. The form is titled 'Name' and includes a subtitle: 'Specify the name of the Notebook Server and the Namespace it will belong to.' There are two input fields: 'Name' with the value 'test-tensorflow' and 'Namespace' with the value 'anju-chandna'. Below these, there is an 'Image' section with a subtitle: 'A starter Jupyter Docker Image with a baseline deployment and typical ML packages.' There is a checkbox for 'Custom Image' which is currently unchecked. Below the checkbox, there is a dropdown menu for 'Image' with the selected value 'tensorflow:deepops-kubeflow-minimal'. At the bottom of the form, there is a section for 'CPU / RAM' with a small icon.

Step 4: Specify CPU, RAM, and GPU requirements (do not exceed your allotted quota)



CPU / RAM

Specify the total amount of CPU and RAM reserved by your Notebook Server. For CPU-intensive workloads, you can choose more than 1 CPU (e.g. 1.5).

CPU: 4

Memory: 16.0Gi

GPUs

Try to use smaller sized GPU

Specify the number and Vendor of GPUs that will be assigned to the Notebook Server's Container.

Number of GPUs: 1

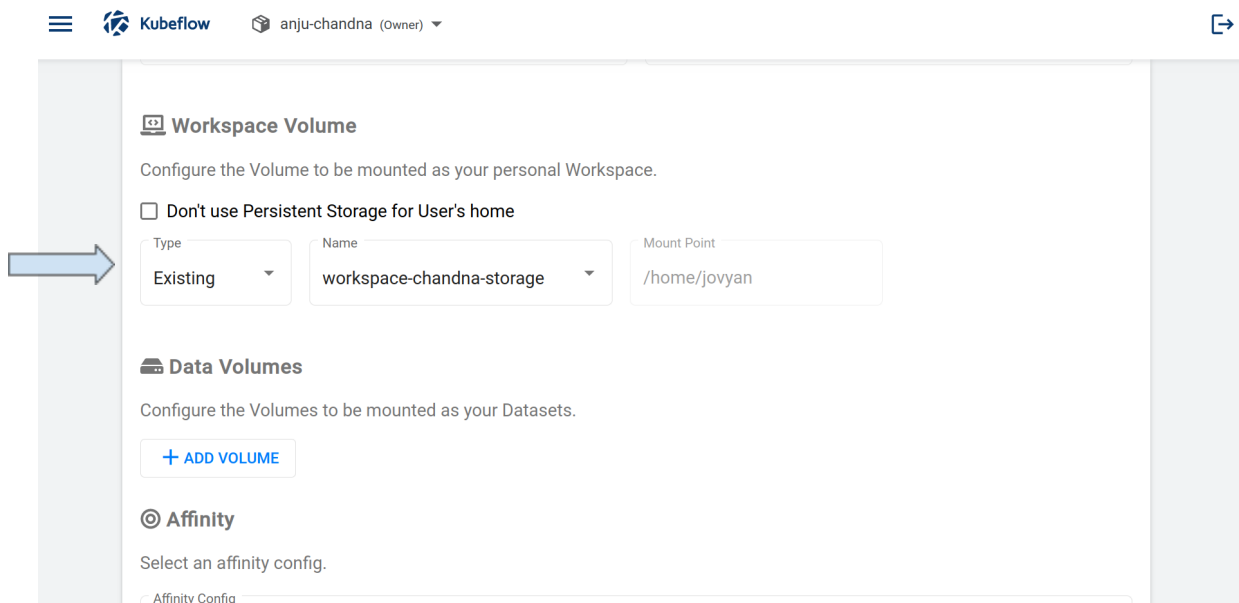
GPU Vendor: NVIDIA-MIG-20GB

Workspace Volume

Configure the Volume to be mounted as your personal Workspace.

☐ Don't use Persistent Storage for User's home

Step 5: Choose whether to use persistent storage or not



Workspace Volume

Configure the Volume to be mounted as your personal Workspace.

☐ Don't use Persistent Storage for User's home

Type: Existing

Name: workspace-chandna-storage

Mount Point: /home/jovyan

Data Volumes

Configure the Volumes to be mounted as your Datasets.

[+ ADD VOLUME](#)

Affinity

Select an affinity config.

Affinity Config

Do note that, you can create **up to three persistent storage volumes** and all the contents that you will store in **"/home/jovyan"** directory will be permanent and will persist even after you shut down the notebook server.

After you have created three persistent storage volumes, you have to reuse them for future notebook servers. When you want to re-use persistent storage please select "Type" as "Existing" and "Name" as your volume name (e.g., **"workspace-user-storage"**).

You can also choose to not use persistent storage and your contents will be deleted when you delete the notebook server.

You do not have to change the "Data Volumes" and "Affinity" settings.

Step 6: You do not have to change the “Tolerations” and “Configurations” settings and you can keep the “Enable Shared Memory” option selected.

Tolerations
Select a taint toleration config group.

Toleration Group
None

Configurations
Extra layers of configurations that will be applied to the new Notebook. (e.g. Insert credentials as Secrets, set Environment Variables.)

Configurations

Miscellaneous Settings
Other possible settings to be applied to the Notebook Server.

☒ Enable Shared Memory

LAUNCH CANCEL

Step 7: If notebook creation is successful then you will see a green tick in status and then you connect to the notebook

Notebook Servers [+ NEW SERVER](#)

Status	Name	Age	Image	GPU	CPU	Memory	Volumes	
✓	test-tensorflow	just now	tensorflow/deepops-kubeflow-minimal	0	4	16.0Gi		CONNECT

Note - When we select NVIDIA MIG GPU (20GB or less) then we will see GPU count 0 in the Notebook Servers. This is a bug in Kubeflow and can be ignored.

DO NOT FORGET TO DELETE YOUR NOTEBOOK SERVERS AFTER COMPLETING YOUR TASK TO AVOID UNNECESSARY BLOCKING OF RESOURCES!