Jupyter Notebook

Jupyter Notebooks

- Appropriate open-source environment for code building, visualizations.
- Integrated into Kubeflow by connecting to the Notebook Server.
- Allows standard/custom notebook images , role-based access control (RBAC), secrets and credentials to manage for teams.
- Kubeflow provides multiple notebook servers per kubeflow deployments, each having a single namespace that corresponds to a team or project name.

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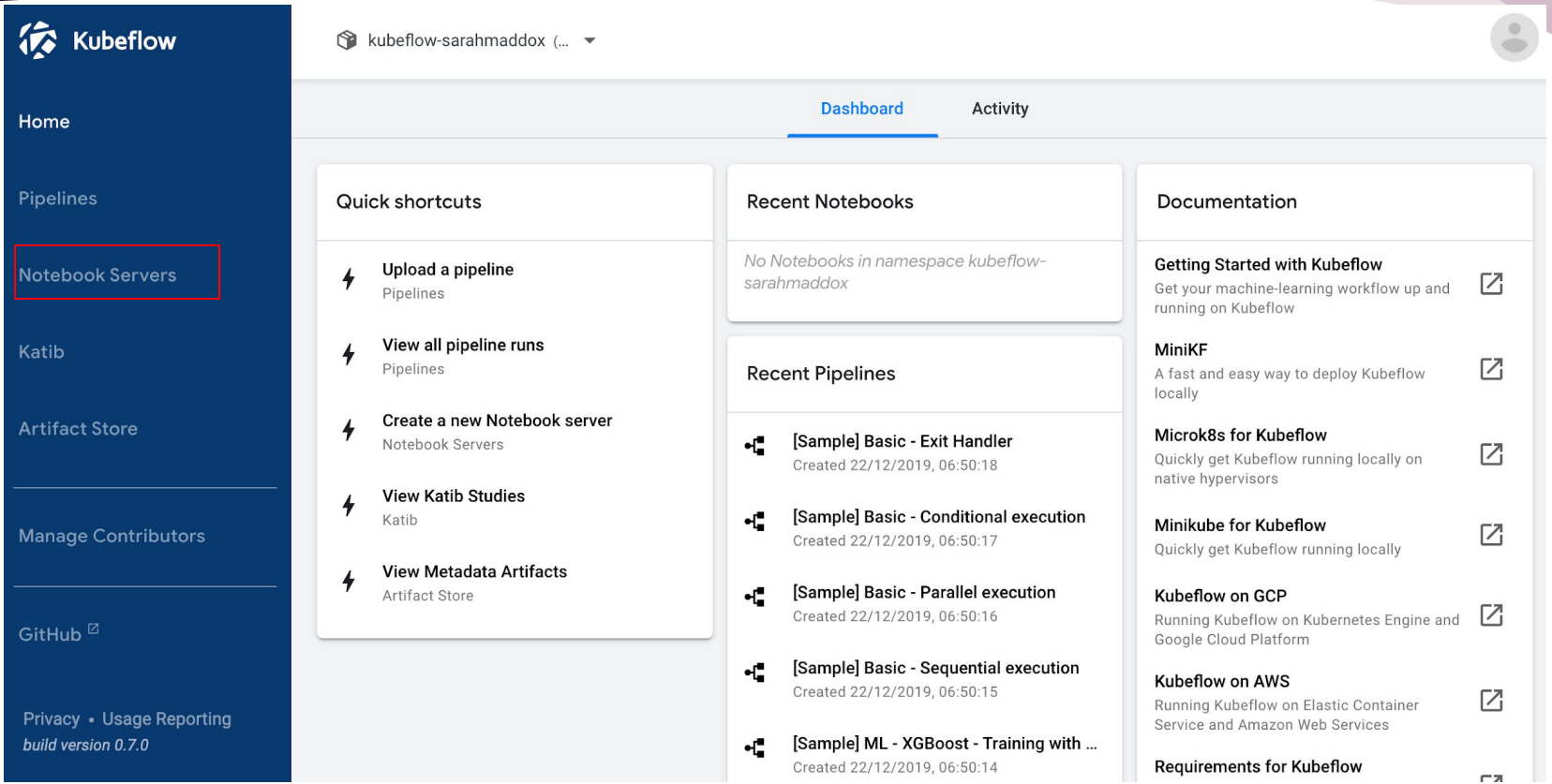


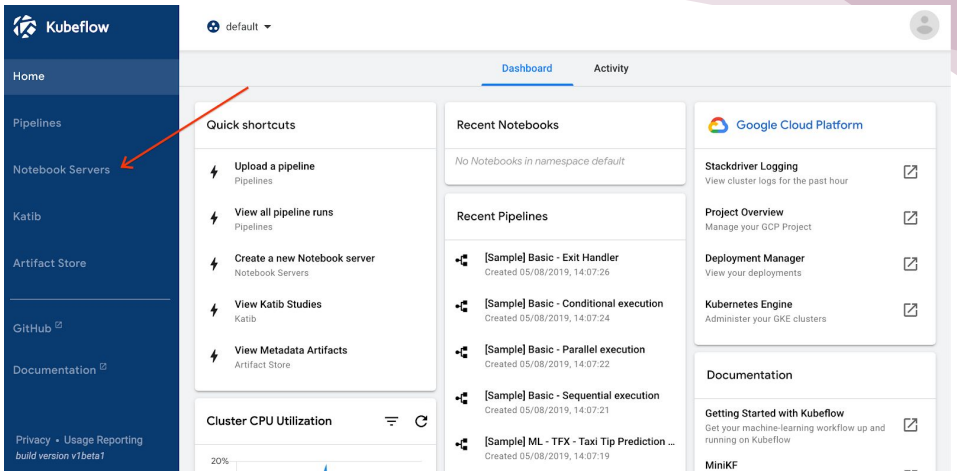
Set up your Notebook

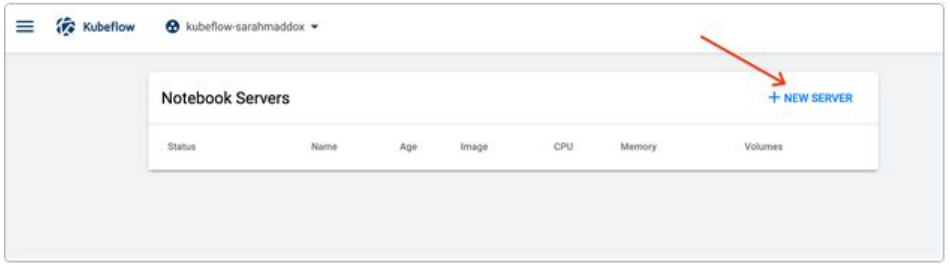
Start by setting up a jupyter notebook through the Notebook Servers tab following the steps below:

1. Click **Notebook Servers** in the left-hand panel of the Kubeflow UI.

2. Click the **namespace** dropdown and choose the a that corresponds to your Kubeflow profile.

3. Click **new server** at the top right corner of the Notebook Servers page to create a notebook server.





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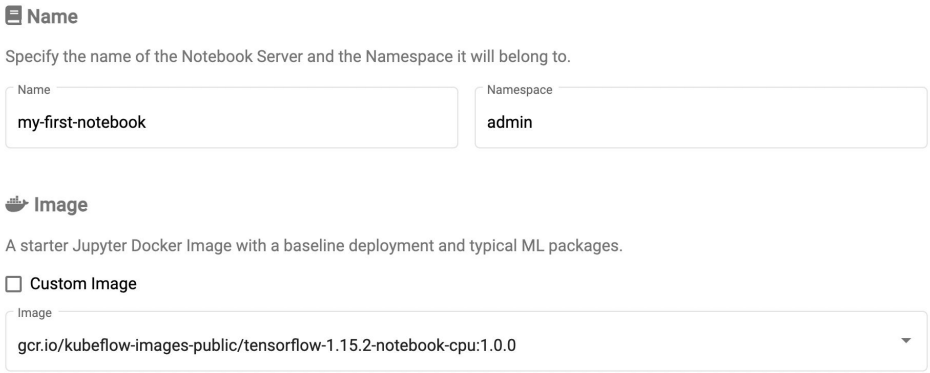
4. Enter the details of your new server on the next page:

a. Give a **name** of your choice to the notebook server, which must be in ***lowercase***

b. The **namespace** is automatically updated by Kubeflow.

c. Select a Docker image. Use the `gcr.io/kubeflow-images-public/tensorflow-1.15.2-notebook-cpu:1.0.0` image for our example.



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6. Specify the total amount of **CPU** that your notebook server should reserve. **For this labs use 0.5**

7. Specify the total amount of memory your notebook server should reserve.**For this labs use 1.0GI**

8. Specify a **workspace volume** to hold your personal workspace for this notebook server. The name is automatically updated by kubeflow, leave the size as 10Gi and the mode at ReadWriteOnce.

9. Click **LAUNCH** and you should see a new Notebook server entry like below.