



Objective for Exercise:

- How to use the GPU in Watson Studio.

Create the instance of the Watson Studio using IBM Cloud

To make sure that GPU is enabled on this instance of Watson Studio press the plan button on the top left. You should see the check mark on the right associated with the Professional Plan which will allow you to use Nvidia GPU.

Lite **1 authorized user** Free

Location: Frankfurt, London, Tokyo, Dallas

Related links: Docs, Terms

Professional **Unlimited collaborators** \$1.02 USD/Capacity Unit-Hour

Summary

Watson Studio [Estimate costs](#)

Location: Dallas
Plan: Professional
Service name: Watson Studio-tf
Resource group: Default

Apply promo code [Apply](#)

☒ I have read and agree to the following license agreements: [Terms](#)

Creating...

After creating the instance of the Watson Studio start the Watson Studio

Resource list / **Watson Studio-8y** Active [Add tags](#)

Manage

Plan

Watson Studio in Cloud Pak for Data

Watson Studio is one of the core services in Cloud Pak for Data as a Service. Build, deploy and manage AI models, and optimize decisions on IBM Cloud Pak for Data.

[Launch in IBM Cloud Pak for Data](#)

IBM Watson Studio in Cloud Pak for Data

IBM Cloud Pak for Data Unifying platform

IBM Cloud Base cloud infrastructure

IBM Watson Studio is part of IBM Cloud Pak for Data and serves as the data science capability of the data fabric architecture.

Using the Manage button navigate back to the starting page and click **Launch in IBM Cloud Pak for Data** button to create a new project.

Resource list / **Watson Studio-8y** Active [Add tags](#)

Manage

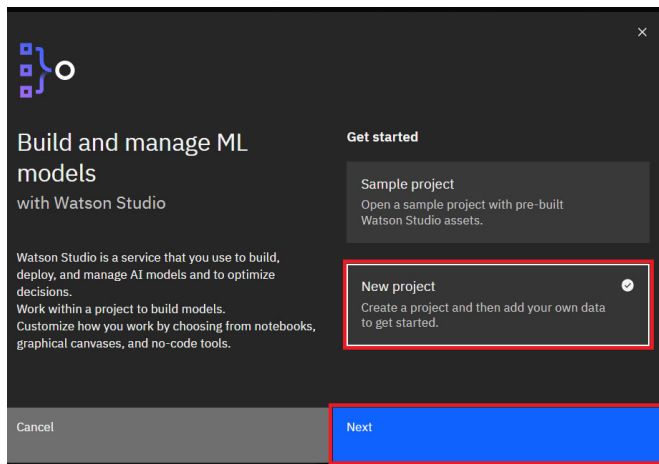
Plan

Watson Studio in Cloud Pak for Data

Watson Studio is one of the core services in Cloud Pak for Data as a Service. Build, deploy and manage AI models, and optimize decisions on IBM Cloud Pak for Data.

[Launch in IBM Cloud Pak for Data](#)

Then select **New Project** and click **Next** button.

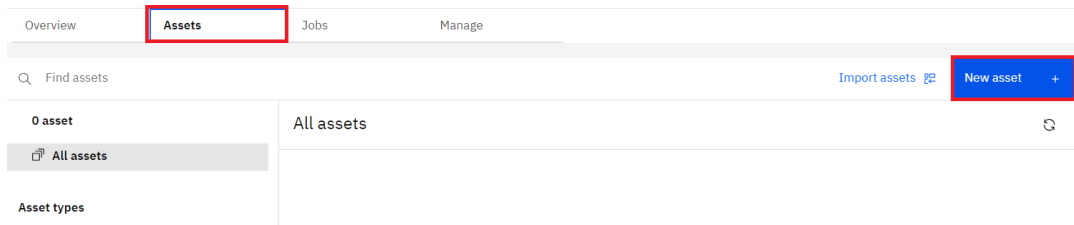


Create a new project and click Create button.

New project

A light gray form titled "New project". It has two main sections: "Define details" and "Storage". In "Define details", there is a "Name" field with the value "GPU" and a "Description" field with the value "GPU Project". Below these are checkboxes for "Restrict who can be a collaborator" and "Mark as sensitive", both of which are unchecked. A note states: "Project includes integration with Cloud Object Storage for storing project assets." The "Storage" section has a field with the value "Cloud Object Storage-hb". At the bottom right, there are two buttons: "Cancel" and "Create". The "Create" button is highlighted with a red rectangular box.

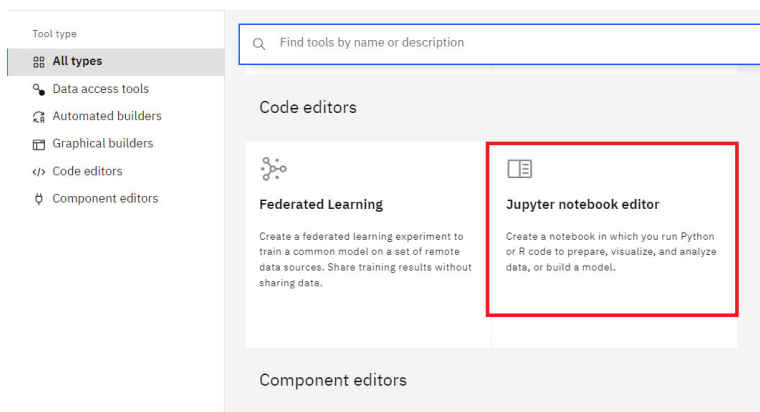
Select Asset tab to create new asset.



In the assets you can create a new notebook using an environment with a GPU. Press the Create book button.

New asset

Select a tool based on what type of asset you want and how you want to work.



Using the runtime selection select an environment with a GPU.

After selecting the GPU environment you can create the notebook by giving it a name and pressing create button on the bottom right:

New notebook

Blank

From file

From URL

Name

GPU

Description (optional)

Type your description here

Select runtime

GPU 2xV100 Runtime 22.2 on Python 3.10 (2 x V100 GPU)

The selected runtime has 80 vCPU, 344 GB RAM and 2 V100 GPU.
It consumes 136 capacity units per hour.
[Learn more](#) about capacity unit hours and Watson Studio pricing plans.

Language

☒ Python 3.10 + GPU

Cancel

Create

Projects / GPU / GPU

16%

Instantiating runtime for GPU

The selected runtime has 80 vCPU, 344 GB RAM and 2 V100 GPU.
It consumes 136 capacity units per hour.

Author(s)

[Joseph Santarcangelo](#)

Changelog

Date	Version	Changed by	Change Description
2020-09-16	2.0	Srishti	Migrated Lab to Markdown and added to course repo in GitLab

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