Firefox



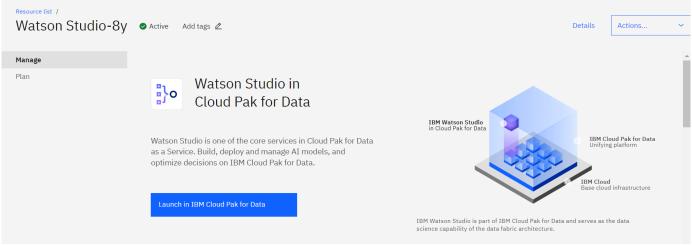
Objective for Exercise:

How to use the GPU in Watson Studio.

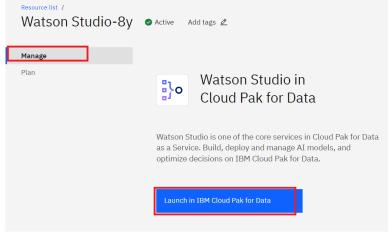
Create the instance of the Watson Studio using IBM Cloud

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. 1 authorized user 10 capacity unit-hours monthly limit Summary Environment = # of capacity units required per hour • 1 vCPU + 4 GB RAM = 0.5 Frankfurt London Watson Studio • 2 VCPU + 8 GB RAM = 1 Tokyo Dallas • 4 VCPII + 16 GB RAM = 2 Location: Dallas Decision Optimization + Watson NLP = Environment + 5 Plan: Professional Service name: Watson Studio-tf Related links Resource group: Default Unlimited collaborators \$1.02 USD/Capacity Unit-Hour Unlimited elastic compute environments Environment = # of capacity units required per hour
• 1 vCPU + 4 GB RAM = 0.5 • 2 vCPU + 8 GB RAM = 1 • 4 vCPU + 16 GB RAM = 2 • 8 vCPU + 32 GB RAM = 4 • 16 vCPU + 64 GB RAM = 8 • 40 vCPU + 172 GB RAM + 1 NVIDIA V100 (1 GPU) = 68 • 80 vCPU + 344 GB RAM + 2 NVIDIA V100 (2 GPU) = 136 Decision Optimization + Watson NLP = Environment + 5
 NVIDIA V100 GPU environments available only in Dallas on IBM Apply promo code HIPAA readiness option available only in Dallas on IBM Cloud HIPAA Enabled ✓ I have read and agree to the following license agreements: The Professional plan for Watson Studio enables your team to solve problems and gain a competitive advantage with enterprise-scale data science and AL For HIPAA support, you must enable it in your IBM Cloud account settings. For instructions, go to https://dataplotrom.cloud.ibm.com/docs/content/gettings-started/security.htmlh-lipaa

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

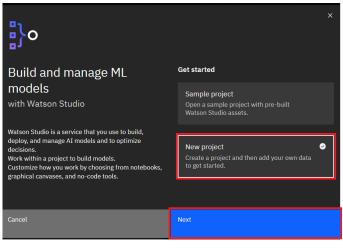


Using the Manage button navigate back to the starting page and click Launch in IBM Cloud Pak for Data button to create a new project.



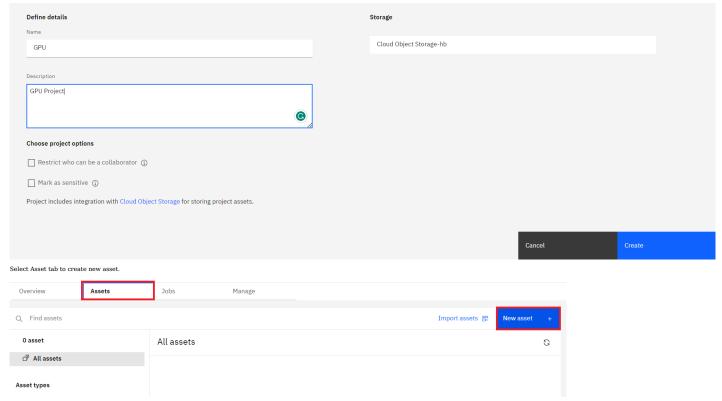
Then select $\mathbf{New}\ \mathbf{Project}$ and click \mathbf{Next} button.

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Create a new project and click Create button.

New project



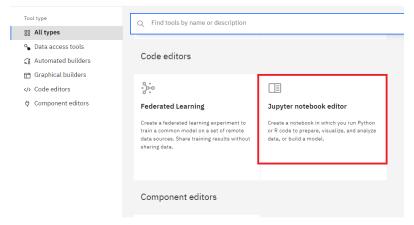
In the assets you can create a new notebook using an environment with a GPU. Press the Create book button.

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Firefox

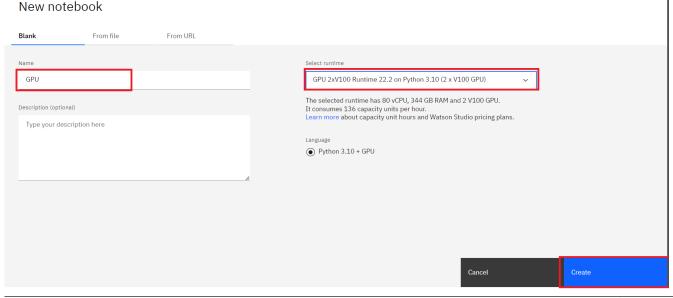
New asset

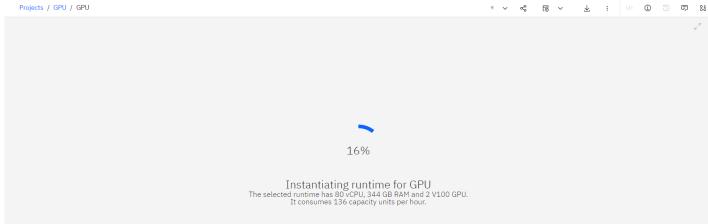
Select a tool based on what type of asset you want and how you want to work.



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:





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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