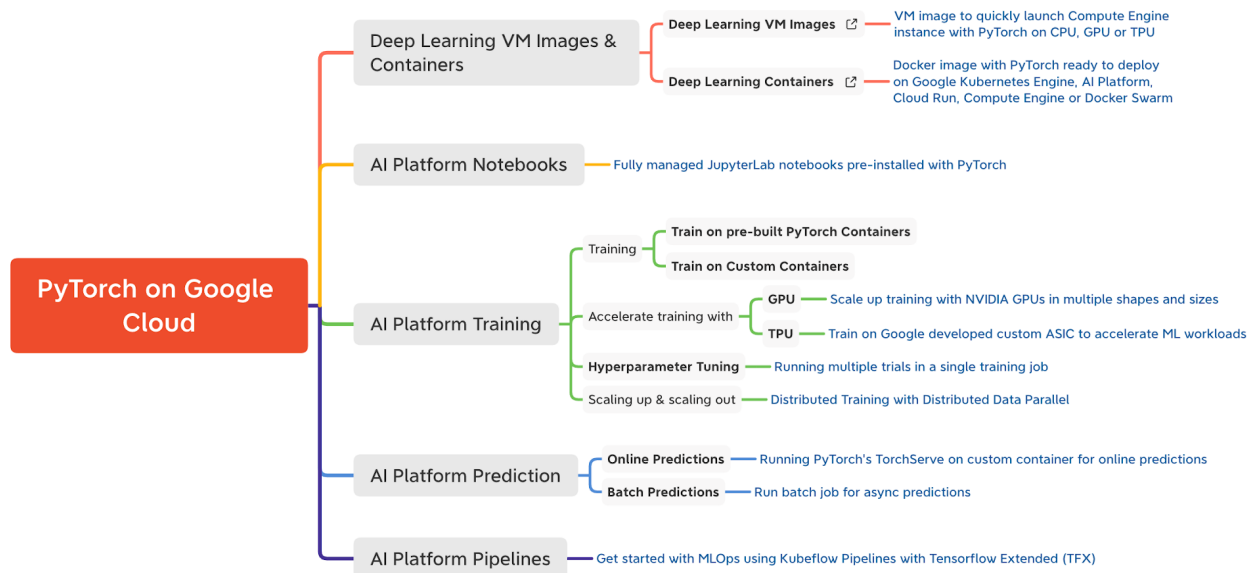


Google Cloud Platform

With the switch from TensorFlow to PyTorch, will we be able to use google cloud with PyTorch?

Yes Google Cloud has the ability to work with PyTorch and we can create our own models to run and train



How to deploy a PyTorch model on Google Cloud?

- For all training we will be using Googles' Vertex AI

1. Download the trained model artifacts
2. Package trained model artifacts including default or custom handlers by creating an archive file using the Torch Model Archiver
3. Build a custom docker container compatible with Vertex Prediction service to serve the model using TorchServe
4. Upload the model with the custom container image as a vertex model resource
5. Create a vertex endpoint and deploy the model resource to the endpoint to serve predictions

Full tutorial [here](#)

Another tutorial [here](#)

Vertex AI Workbench ([Docs](#))

Vertex AI Workbench is a Jupyter notebook-based development environment for the entire data science workflow. You can interact with Vertex AI and other Google Cloud services from within a Vertex AI Workbench instance's Jupyter notebook.

Some Features:

- Access and explore your data from within a [Jupyter notebook](#) by using BigQuery and Cloud Storage integrations.
- Automate recurring updates to your model by using scheduled executions of your notebook's code that run on Vertex AI.
- Process data quickly by running a notebook on a Dataproc cluster.
- Run a notebook as a step in a pipeline by using Vertex AI Pipelines.

Vertex AI will allow us to easily make models and train them using google's compute power for faster efficiency on training than would running on our own machines