

Summary for each AI service

1 Google Cloud Platform

- * From the main menu of Google Cloud Platform, can find the groups of the cloud services easily. AI services is in the category ARTIFICIAL INTELLIGENCE.
- * Creating a notebook is easy. More convenience is that you can choose a pre-installed programming environment, such as Tensorflow, PyTorch, etc, and without creating a VM and install Python, Jupyter, etc.
- * Easy to create a bucket, upload data from local to a bucket.
- * Provide customization training in two ways: one is to create a container and training with a container on AI platform. Another is Using gcloud to package and upload your application.
- * Anytime you can launch a cloud shell. It is a ubuntu terminal. I can create virtual environment and run python programs

2 AWS

- * When login to AWS console and you see Recently visited services. This is convenience to find what you used last time.
- * EC2 instance likes a cloud machine. Need installing Python 3, pip, etc. before run a python program.
- * Create a notebook easily from Amazon SageMaker. Very easy to connect the notebook with an existing github url
- * Easy to create a bucket on s3. Easy upload data from local to a bucket.

3 Azure

- * Easy to find AI services from main menu
- * There are some built-in AI services, such as Computer vision, Face, Text Analytics, etc.
- * Easy to create a resource (instance) of AI services. However a resource doesn't bundle with a selectable Python environment

Problems:

- * Not able to select python environmental (such as tensorflow) when create a VM

All services problems:

- * Upload data files (image files, etc) slowly
- * high cost charge