Deloitte.

Applications—Job Aid Part - 2

MAKING AN IMPACT THAT MATTERS since 1845

How to Use this Job Aid

This file contains the installation / access guide for the applications that you will need during the first 4 weeks of your AI Academy journey. The following table mentions the courses for which eacg application is required. Please click the name of the application to review the associated installation / access guide.

Table of Contents

Courses	Tools
Cloud Lab – AWS	AWS Amazon
Cloud Lab - AWS/Azure	Ravin
Cloud Lab - Azure	Storage explorer Azure
Cloud Technologies and Data Warehouse	Azure CLI Putty
Deployment of ML Algorithms	Flask

1. AWS Amazon CLI

Step 1 – Visit https://aws.amazon.com/cli/

Step 2 – Once you click on download, run the .exe file. The system will prompt for your Deloitte password. Follow the prompts to complete the installation.

Table of Contents

2. Ravin

AWS Batch – You will receive any one link from below url

Step 1 – https://ravinsofttech.signin.aws.amazon.com/console
https://ravinsofttech1.signin.aws.amazon.com/console
https://ravinsofttech2.signin.aws.amazon.com/console

Step 2 – Jigsaw will provide the credentials to Login.

Azure Batch

Step 1 - http://poral.azure.com

Step 2 – Jigsaw will provide the credentials to Login.

3. Azure Storage Explorer

Step 1 – Visit https://azure.microsoft.com/en-us/features/storage-explorer/

Step 2 – Once you click on download, run the .exe file. The system will prompt for your Deloitte password. Follow the prompts to complete the installation.

4. Azure Portal

Step 1– http://portal.azure.com/

Step 2 – Jigsaw will provide the credentials to login.

Table of Contents

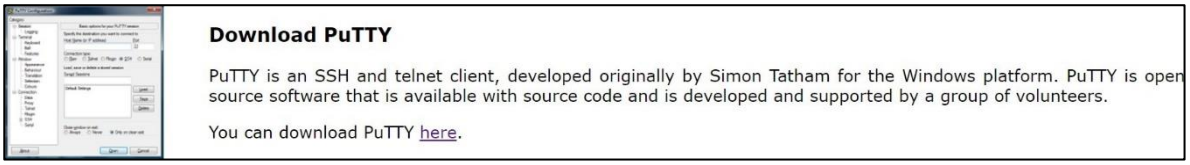
5. Azure CLI

Step 1– Visit https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?tabs=azure-cli

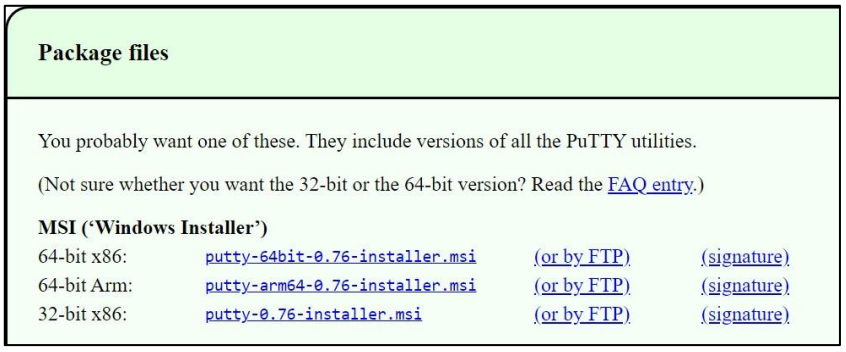
Step 2 – Once you click on download, run the .exe file. The system will prompt for your Deloitte password. Follow the prompts to complete the installation.

6. Putty

Step 1 – Visit http://putty.org/



Step 2 – On the next page, click on the first link "putty-64bit-0.76-installer.msi"



Step 3 – Run the tool and the system will prompt for your Deloitte password. Follow the prompts to complete the installation.

Table of Contents

7. Flask

Step 1 – Visit https://flask.palletsprojects.com/en/2.0.x/installation/

Deploy Machine Learning model using Flask

In order to install flask on the system firstly student needs to create virtual environment inside anaconda path.

Step 2 – Check if conda is installed in your path.

- Open anaconda by typing '*Anaconda prompt(anaconda3)*' on search bar.
- Type *conda -V* and press enter.
- If the conda is successfully installed in your system you should see a similar output.

Step 3 – Update the conda environment

- Enter the following in the anaconda prompt.
  conda update conda

Step 4 – Set up the virtual environment

- Type conda search *"^python$"* to see the list of available python versions.
- Now replace the envname with the name you want to give to your virtual environment and replace *x.x* with the python version you want to use.
  conda create -n envname python=x.x anaconda
- In our case type flaskapp as envname in above command,
  conda create -n flaskapp python=x.x anaconda

Step 5 – Activating the virtual environment

- To see the list of all the available environments, use command conda info -e
- To activate the virtual environment, enter the given command and replace your given environment name with envname
  conda activate envname
- In our case type flaskapp as envname in above command,
  conda activate flaskapp
- When conda environment is activated it modifies the PATH and shell variables points specifically to the isolated Python set-up you created.

Table of Contents

7. Flask (Continued …)

Step 6 – Installing flask

- Once virtual environment is activated
  - create a folder called *"mlflask"*
- Inside the folder install flask using below command
  pip install flask
- Check flask installation using following command on cmd prompt inside mlflask folder
  flask --version

Table of Contents

About Deloitte

Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee ("DTTL"), its network of member firms, and their related entities. DTTL and each of its member firms are legally separate and independent entities. DTTL (also referred to as "Deloitte Global") does not provide services to clients. Please see www.deloitte.com/about for a detailed description of DTTL and its member firms. Please see www.deloitte.com/us/about for a detailed description of the legal structure of Deloitte LLP and its subsidiaries. Certain services may not be available to attest clients under the rules and regulations of public accounting.