**Azure\_utils.py initial setup**

Azure\_utils.py is a group of function that allow us to upload and run model in Azure cloud. It depends on several existing azure SDK libraries and on being logged in to an Azure account through powershell.

1. Install Azure CLI (<https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?tabs=azure-cli>). This can be done through MSI normal installation but also through Powershell with the following instructions:

## Download the MSI

Invoke-WebRequest -Uri https://aka.ms/installazurecliwindows -OutFile .\AzureCLI.msi

## Invoke the MSI installer suppressing all output

Start-Process msiexec.exe -Wait -ArgumentList '/I AzureCLI.msi /quiet'

##Remove the MSI installer

Remove-Item -Path .\AzureCLI.msi

1. Install Anaconda (normal installation)
2. Create a new virtual python environment in Anaconda:

conda env create -f azure­\_environment.yml

The azure\_environment.yml file must contain the following:

name: azure\_env

dependencies:

- python=3.9

- pip:

- azure-storage-blob

- azure-identity

- azure-mgmt-network

- azure-mgmt-compute

- PyYAML

- conda:

- ipykernel

- jupyter-lab

- jupyter-notebook

1. Activate environment and add environment to the kernel (so that it can be accessed through jupyter-lab or jupyter-notebook):

Conda activate azure\_env

python -m ipykernel install --user --name azure\_env --display-name " azure\_env "

1. Go to Powershell and execute *az login*. This should open a browser to access to your azure account (email and password required).