1. **Installing PIP**

sudo apt update

sudo apt upgrade

sudo apt-get install software-properties-common

sudo apt-add-repository universe

sudo apt-get install python-setuptools

sudo apt install python3-pip

grep PATH ~/.bashrc ~/.profile ~/.bash\_profile ~/.bash\_login \

/etc/profile /etc/environment /etc/bash.bashrc

sudoedit /etc/enviromnment

PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games"

1. **Install Airflow Dependencies:**

sudo apt-get install libmysqlclient-dev

sudo apt-get install libssl-dev

sudo apt-get install libkrb5-dev

sudo apt-get install python3-distutils

1. **Create py environment**

**pip3 install virtualenv**

**virtualenv -p python3 myenv**

**source myenv/bin/activate**

python3 --version

1. **Install airflow**

**pip install 'apache-airflow==2.6.3' \**

**--constraint** [**https://raw.githubusercontent.com/apache/airflow/constraints-2.6.3/constraints-3.8.txt**](https://raw.githubusercontent.com/apache/airflow/constraints-2.6.3/constraints-3.8.txt)

**airflow version**

**systemctl reboot -i**

**export AIRFLOW\_HOME=.**

pip install apache-**airflow**[kubernetes]

**“mkdir dags”**

**airflow db init**

**sudo ufw allow 8080**

**airflow users create --role Admin --username admin --email admin --firstname admin --lastname admin**

**airflow webserver -p 8080**

**cd /home/hadoop/airflow**

**source myenv/bin/activate**

**airflow scheduler**

systemctl restart airflow

# **Install Docker Desktop on Ubuntu**

**sudo apt install gnome-terminal**

sudo apt-get update

**sudo apt-get install ca-certificates curl gnupg**

**sudo dpkg -i docker-desktop-4.22.0-amd64.deb**