

1. Для начала установки AirFlow на платформу Windows 10 нужно включить встроенную виртуальную машину Linux.

1.2 Нужно обновить Windows 10 до последней версии

- Зайти в биос и включить виртуализацию процессора, в случае если процессор не поддерживает виртуализацию то установка виртуальной машины не возможна.

- В системе Windows 10 зайти в "Панель управления" -> "Программы" или "Программы и компоненты" -> "Включение и отключение компонентов Windows".

- Далее либо включить либо удостовериться что включены следующие компоненты (поставьте галочки):

Платформа для виртуальной машины, Подсистема Windows для Linux;

- Перезагрузить компьютер.

- Открыть PowerShell и ввести следующую команду:

`wsl --set-default-version 2` (Данной командой мы обозначим запуск второй версии wsl которая нам нужна)

- Если в консоле не будет ошибки перезагрузить компьютер и далее перейдите к пункту запуска и настройки Linux.

1.3 Список команд для работы с wsl:

- `wsl install` автоматическая установка wsl

- `wsl --update` обновление wsl (скачивание новой версии программы)

- `wsl --version` проверить версию установленной и используемой wsl

- `wsl -l` список установленных дистрибутивов Linux

- `wsl --unregister <name>` удаление дистрибутива Linux из wsl из списка установленных

- `wsl --list --running` лист запущенных Linux на текущий момент в среде wsl

- `wsl -t <name>` команда для включения Linux, который запущен

- `wsl --shutdown` команда которая завершает все виртуальные машины wsl

- `Restart-Service LxssManager` для перезапуска службы Диспетчера подсистемы Windows для Linux (LxssManager), может потребоваться для решения проблем с WSL или виртуальными машинами Linux, а также для применения обновлений или изменений конфигурации.

2. Клиент Linux можно установить на wsl несколькими способами:

2.1 Заходим в магазин Microsoft Store, пишем в поиске Linux, выбираем и нажимаем скачать, после скачивания и установки, нажимаем запустить, начнется процесс инициализации и установки Linux, куда мы вводим свой логин и пароль.

2.2 Скачиваем дистрибутив с официального сайта Linux, распаковываем и запускаем из папки, начнется процесс инициализации и установки Linux, куда мы вводим свой логин и пароль.

2.3 Так же образ можно скачать с помощью самой консоли PowerShell для этого:

- `cd C:\` с помощью данной команды перейти в каталог, в котором хотим создать папку

- mkdir <name> название папки за место <name> с помощью данной команды создаем папку
- Invoke-WebRequest -Uri https://aka.ms/wslubuntu2004 -OutFile Ubuntu.appx -UseBasicParsing
для загрузки образа Linux предварительно перейти в созданную папку спомощью команды cd
- Uri: Этот параметр указывает URL-адрес, с которого загружается файл.
- OutFile: Этот параметр указывает путь и имя файла, в который будет сохранен загруженный файл.
- UseBasicParsing: Этот параметр указывает PowerShell не использовать Internet Explorer для анализа веб-страницы при загрузке.
- move .\Ubuntu.appx .\Ubuntu.zip для того, чтобы переименовать файл в .zip
- Expand-Archive .\Ubuntu.zip распаковки .zip в папку.

3. Теперь обновим Linux, добавим репозиторий DeadSnakes PPA (Personal Package Archive), что позволит нам устанавливать различные версии Python, используя "apt"

или "apt-get" и установим Python

3.1 sudo apt update получаем пакеты обновлений для Linux

3.2 sudo add-apt-repository ppa:deadsnakes/ppa репозиторий подключаем нужный нам

3.3 sudo apt install -y python3 python3-pip python3-venv команда устанавливает Python, pip и venv последней версии доступной в подключённом репозитории.

- python3: Это интерпретатор языка программирования Python версии 3.x. Он позволяет запускать и выполнять Python-скрипты и приложения.

- python3-pip: Это инструмент управления пакетами для Python. Он используется для установки, обновления и управления сторонними библиотеками и модулями Python.

- python3-venv: Этот пакет предоставляет виртуальное окружение Python, которое позволяет изолировать проекты Python друг от друга. Виртуальные окружения

полезны для управления зависимостями проекта и предотвращения конфликтов между версиями пакетов.

- sudo apt install -y python3.8 python3.8-pip python3.8-venv пример команды если нам нужна конкретная версия Python, в данном случае Python 3.8

3.4 sudo apt update получаем пакеты обновлений для Linux

3.5 sudo apt upgrade обновляем все до последних версий

4. Далее мы устанавливаем Mysql server и настроим его, для простоты понимания логов можно запустить через программу MobaXterm_Personal

4.1 sudo apt-get install mysql-server устанавливаем Mysql server

4.2 sudo /etc/init.d/mysql start запускаем Mysql

4.3 sudo mysql_secure_installation теперь запускаем настройку сервиса, везде ставим нет кроме последнего пункта:

- VALIDATE PASSWORD COMPONENT... ставим No

- By default, a MySQL installation has an anonymous user... ставим No
- Normally, root should only be allowed to connect from 'localhost'... ставим No
- By default, MySQL comes with a database named 'test' that... ставим No
- Reloading the privilege tables will ensure that all changes made so far will take effect immediately anyone can access... ставим Yes

4.5 `sudo mysql -u root -p` заходим в программу Mysql, если спросит пароль нажимаем Enter далее вводим данную строку:

`ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY '1';` строка выше установит пароль "1", затем выходим командой `exit`

4.6 `sudo nano /etc/mysql/my.cnf` данный файл нужно отредактировать добавив в конец все строчки:

`[mysqld] port = 33061` сохранить изменения в файле

4.7 `sudo service mysql restart` перезапускаем Mysql сервер

4.8 Теперь вам надо зайти в MySQL оболочку, которая у вас установлена на Windows 10 это может быть HeidiSQL или любая другая программа, вам нужно создать

новое подключение к базе данных ввести логин: root(который мы установили), пароль: 1(который мы установили) и порт: 33061(который мы установили) сделать следующий

SQL запрос:

`CREATE DATABASE Airflow CHARACTER SET UTF8mb3 COLLATE utf8_general_ci;`

`CREATE USER 'Airflow'@'%' IDENTIFIED BY '1';`

в результате у вас появится база данных Airflow, затем зайти в пользователей и выдать пользователю Airflow все права доступа.

4.9 Чтобы быть более уверенным в работе можно ввести команду: `SELECT NOW()` на выходе должно в запросе получиться "2024-11-09 20:02:06" будет ваше время и дата

4.10 Далее надо создать базу данных "spark"

5. Установка программы AirFlow

5.1 `python3 -m venv airflow-venv && source airflowvenv/bin/activate` данной командой мы заходим в виртуальную среду airflow

5.2 `pip install apache-airflow==2.7.3 --constraint`

`"https://raw.githubusercontent.com/apache/airflow/constraints-2.7.3/constraints3.8.txt" --force-reinstall --upgrade`

данной командой мы устанавливаем airflow

5.3 `export AIRFLOW_HOME=/home/airflow && airflow db init` теперь делаем пробный запуск airflow, если у вас возникли проблемы с правами доступа тогда сделайте следующие:

- `cd /home/` перейдите в данную директорию

- `sudo chmod -R 777 ./` и выполните данную команду, затем снова сделайте пробный запуск airflow

5.4 Теперь у вас по пути `"/home/"` появится папка `"airflow"` там есть файл `airflow.cfg` который, мы должны заменить нашим файлом `airflow.cfg`

5.5 Теперь нужно в каталоге `"/home/airflow/"` создать папку `"dags"`

5.6 `export AIRFLOW_HOME=/home/airflow && airflow db init` делаем повторную инициализацию

`ModuleNotFoundError: No module named 'MySQLdb'` - данная ошибка говорит о том, что нам нужно установить ещё один модуль, чтобы его установить введите

команду:

```
sudo apt-get install python3.8-dev libmysqlclient-dev && sudo apt install pkg-config && pip install mysqlclient
```

- `pip install python3.8` - установит дополнительно питон нужной версии

- `pip install pkg-config` - установит дополнительную библиотеку

- `pip install mysqlclient` - установит нужный `mysqlclient`

5.7 Выключаем `wsl` и включаем его через команду `PowerShell wsl -shutdown`, затем запускаем заново.

5.8 Снова инициализируем виртуальную среду шаг 5.1 и инициализируем `airflow` шаг 5.3

5.9 `airflow users create --role Admin --username admin --email admin --firstname admin --lastname admin --password admin` данной командой создаём пользователя для `airflow`

5.10 `export AIRFLOW_HOME=/home/airflow && (airflow scheduler & airflow webserver -p 8080)` данной командой запускаем сервер `airflow`, чтобы к нему подключиться в адресной строке браузера нужно ввести `localhost:8080` в результате чего появиться админ сайт `airflow`
логин/пароль: `admin`

Готово! Установка и запуск `AirFlow` в `Windows 10` с помощью `WSL`

```
ritorta@Alicorn-113-St-527-B5F-13: -
```

This message is shown once a day. To disable it please create the
/home/ritorta/.hushlogin file.

```
ritorta@Alicorn-113-St-527-B5F-13:~$ sudo apt update
```

```
[sudo] password for ritorta:
```

```
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease
```

```
Get:2 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
```

```
Get:3 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
```

```
Get:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
```

```
Get:5 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
```

```
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [2889 kB]
```

```
Get:7 http://archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
```

```
Get:8 http://archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]
```

```
Get:9 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
```

```
Get:10 http://archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]
```

```
Get:11 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]
```

```
Get:12 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [3266 kB]
```

```
Get:13 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [435 kB]
```

```
Get:14 http://archive.ubuntu.com/ubuntu focal-updates/main Translation-en [517 kB]
```

```
Get:15 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.2 kB]
```

```
Get:16 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [2772 kB]
```

```
Get:17 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [17.2 kB]
```

```
Get:18 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [387 kB]
```

```
Get:19 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [552 B]
```

```
Get:20 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [956 kB]
```

```
Get:21 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [2889 kB]
```

```
Get:22 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [201 kB]
```

```
Get:23 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [19.2 kB]
```

```
Get:24 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [24.0 kB]
```

```
Get:25 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5904 B]
```

```
Get:26 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [548 B]
```

```
Get:27 http://archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [403 kB]
```

```
Get:28 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 c-n-f Metadata [552 B]
```

```
Get:29 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1181 kB]
```

```
Get:30 http://archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [283 kB]
```

```
Get:31 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [25.7 kB]
```

```
Get:32 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [26.2 kB]
```

```
Get:33 http://archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7880 B]
```

```
Get:34 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [620 B]
```

```
Get:35 http://archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.7 kB]
```

```
Get:36 http://archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
```

```
Get:37 http://archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
```

```
Get:38 http://archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
```

```
Get:39 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]
```

```
Get:40 http://archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]
```

```
Get:41 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
```

```
Get:42 http://archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
```

```
Fetch: 31.0 MB in 4s (7046 kB/s)
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
276 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
ritorta@Alicorn-113-St-527-B5F-13:~$ sudo add-apt-repository ppa:deadsnakes/ppa
```

```
This PPA contains more recent Python versions packaged for Ubuntu.
```

Disclaimer: there's no guarantee of timely updates in case of security problems or other issues. If you want to use them in a security-or-otherwise-c

Update Note

=====

Please use this repository instead of ppa:frull/deadsnakes.

Reporting Issues

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Issues can be reported in the master issue tracker at:

<https://github.com/deadsnakes/issues/issues>

Supported Ubuntu and Python Versions

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- Ubuntu 20.04 (focal) Python3.5 - Python3.7, Python3.9 - Python3.13

- Ubuntu 22.04 (jammy) Python3.7 - Python3.9, Python3.11 - Python3.13

- Note: Python2.7 (all), Python 3.8 (focal), Python 3.10 (jammy) are not provided by deadsnakes as upstream ubuntu provides those packages.


```

nrtorta@Alicorn-113-5t-527-B5F-13:~$
Hit:2 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:3 http://archive.ubuntu.com/ubuntu focal InRelease
Hit:4 http://archive.ubuntu.com/ubuntu focal-updates InRelease
Get:5 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu focal/main amd64 Packages [30.0 kB]
Hit:6 http://archive.ubuntu.com/ubuntu focal-backports InRelease
Get:7 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu focal/main Translation-en [6004 B]
Fetched 54.1 kB in 1s (102 kB/s)
Reading package lists... Done
nrtorta@Alicorn-113-5t-527-B5F-13:~$ sudo apt install -y python3 python3-pip python3-venv
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3 is already the newest version (3.8.2-0ubuntu2).
python3 set to manually installed.
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential cpp cpp-9 dpkg-dev fakeroot g++ g++-9 gcc
  gcc-10-base gcc-9 gcc-9-base libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5
  libatomic1 libbinutils libc-dev-bin libc6 libc6-dev libc6-i686 libcrypt-dev libctf-nobfd0 libctf0 libdpkg-perl
  libexpat1 libexpat1-dev libfakeroot libfile-fcntllock-perl libgcc-9-dev libgcc-s1 libgomp1 libisl22 libitm1 liblsan0
  libmpc3 libpython3-dev libpython3.8 libpython3.8-dev libpython3.8-minimal libpython3.8-stdlib libquadmath0
  libstdc++-9-dev libstdc++6 libubsan1 libubsan1 linux-libc-dev make manpages-dev python-pip-whl python3-dev
  python3-wheel python3.8 python3.8-dev python3.8-minimal python3.8-venv zlib1g zlib1g-dev
Suggested packages:
  binutils-doc cpp-doc gcc-9-locales debian-keyring g++-multilib g++-9-multilib gcc-9-doc gcc-multilib autoconf
  automake libtool flex bison gdb gcc-doc gcc-9-multilib glibc-doc bzip2 libstdc++-9-doc make-doc python3.8-doc
  binfmt-support
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential cpp cpp-9 dpkg-dev fakeroot g++ g++-9 gcc gcc-9
  gcc-9-base libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1 libbinutils
  libc-dev-bin libc6-dev libc6-i686 libcrypt-dev libctf-nobfd0 libctf0 libdpkg-perl libexpat1-dev libfakeroot
  libfile-fcntllock-perl libgcc-9-dev libgomp1 libisl22 libitm1 liblsan0 libmpc3 libpython3-dev libpython3.8-dev
  libquadmath0 libstdc++-9-dev libstdc++6 libubsan1 linux-libc-dev make manpages-dev python-pip-whl python3-dev
  python3-pip python3-venv python3-wheel python3.8-dev python3.8-venv zlib1g-dev
The following packages will be upgraded:
  gcc-10-base libc6 libexpat1 libgcc-s1 libpython3.8 libpython3.8-minimal libpython3.8-stdlib libstdc++6 python3.8
  python3.8-minimal zlib1g
11 upgraded, 52 newly installed, 0 to remove and 265 not upgraded.
Need to get 62.0 MB of archives.
After this operation, 228 MB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-10-base amd64 10.5.0-1ubuntu1~20.04 [20.8 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-s1 amd64 10.5.0-1ubuntu1~20.04 [41.8 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libstdc++6 amd64 10.5.0-1ubuntu1~20.04 [501 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6 amd64 2.31-0ubuntu9.15 [2723 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libexpat1 amd64 2.2.9-1ubuntu0.6 [74.6 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 zlib1g amd64 1:1.2.11.dfsg-2ubuntu1.5 [54.2 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libpython3.8 amd64 3.8.10-0ubuntu1~20.04.9 [1625 kB]
Get:8 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 python3.8 amd64 3.8.10-0ubuntu1~20.04.9 [387 kB]
Get:9 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libpython3.8-stdlib amd64 3.8.10-0ubuntu1~20.04.9 [1674 kB]
Get:10 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 python3.8-minimal amd64 3.8.10-0ubuntu1~20.04.9 [1890 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libpython3.8-minimal amd64 3.8.10-0ubuntu1~20.04.9 [718 kB]
Get:12 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-common amd64 2.34-6ubuntu1.9 [208 kB]
Get:13 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libbinutils amd64 2.34-6ubuntu1.9 [475 kB]
Get:14 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf-nobfd0 amd64 2.34-6ubuntu1.9 [48.2 kB]
Get:15 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf0 amd64 2.34-6ubuntu1.9 [46.6 kB]
Get:16 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-x86-64-linux-gnu amd64 2.34-6ubuntu1.9 [1614 kB]
Get:17 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils amd64 2.34-6ubuntu1.9 [3380 B]
Get:18 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64 2.31-0ubuntu9.15 [71.8 kB]
Get:19 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 linux-libc-dev amd64 5.4.0-177.197 [1128 kB]
Get:20 http://archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64 1:4.4.18-10ubuntu4 [104 kB]
Get:21 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6-dev amd64 2.31-0ubuntu9.15 [2519 kB]
Get:22 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9-base amd64 9.4.0-1ubuntu1~20.04.2 [18.9 kB]
Get:23 http://archive.ubuntu.com/ubuntu focal/main amd64 libisl22 amd64 0.22.1-1 [592 kB]
Get:24 http://archive.ubuntu.com/ubuntu focal/main amd64 libmpc3 amd64 1.1.0-1 [40.8 kB]
Get:25 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 cpp-9 amd64 9.4.0-1ubuntu1~20.04.2 [7502 kB]
Get:26 http://archive.ubuntu.com/ubuntu focal/main amd64 cpp amd64 4:9.3.0-1ubuntu2 [27.6 kB]
Get:27 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc1-0 amd64 10.5.0-1ubuntu1~20.04 [48.8 kB]
Get:28 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libgomp1 amd64 10.5.0-1ubuntu1~20.04 [102 kB]
Get:29 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libitm1 amd64 10.5.0-1ubuntu1~20.04 [26.2 kB]
Get:30 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libatomic1 amd64 10.5.0-1ubuntu1~20.04 [9284 B]
Get:31 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libasan5 amd64 9.4.0-1ubuntu1~20.04.2 [2752 kB]
Get:32 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 liblsan0 amd64 10.5.0-1ubuntu1~20.04 [835 kB]
Get:33 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan0 amd64 10.5.0-1ubuntu1~20.04 [2016 kB]
Get:34 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan1 amd64 10.5.0-1ubuntu1~20.04 [785 kB]
Get:35 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libquadmath0 amd64 10.5.0-1ubuntu1~20.04 [146 kB]
Get:36 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-9-dev amd64 9.4.0-1ubuntu1~20.04.2 [2359 kB]
Get:37 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9 amd64 9.4.0-1ubuntu1~20.04.2 [8276 kB]

```

Setting up binutils (2.34-6ubuntu1)

1. *Journal of Management Studies*, 1996, 33, 1, 1-14.

```
Reading package lists... Done
```

```
Reading package lists... Done
```

libfwupdplugin1 libxmlb1

```
The following NEW packages will be installed:
```

65 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.

After this operation, 46.8 MB c

et:1 <http://archive.ubuntu.com/ubuntu focal-updates/main amd64 moto>

WSL-Ubuntu

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

/home/ritorta/

Name

- ..
- .landscape
- .Xauthority
- .xauth_admin_successful
- profile
- .motd_shown
- .bashrc
- .bash_logout
- .bash_history

MobaXterm Personal Edition v23.6
(SSH client, X server and network tools)

- Linux distribution: Ubuntu
- Windows drives are mounted into /mnt path (by default)
- WSL DISPLAY is automatically redirected to Windows desktop
- WSL filesystem is accessible in the sidebar browser
- For more info, ctrl+click on help or visit our website.

```
/usr/bin/xauth: file /home/ritorta/.Xauthority does not exist
ritorta@Alicorn-113-St-527-BSF-13:~$ sudo apt-get install mysql-server
[sudo] password for ritorta:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfwpdplugin1 libxmlb1
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl libhttp-date-perl
  libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libtimedate-perl liburi-perl
  mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common
  mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libwww-perl mailx tinyca
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl libhttp-date-perl
  libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libtimedate-perl liburi-perl
  mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-
  mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 25 newly installed, 0 to remove and 0 not upgraded.
Need to get 36.8 MB of archives.
After this operation, 318 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu focal/main amd64 mysql-common all 5.8+1.0.5ubuntu2 [7496 B]
Get:2 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-client-core-8.0 amd64 8.0.36-0ubuntu
04.1 [5084 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-client-8.0 amd64 8.0.36-0ubuntu0.
22.0 [22.0 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal/main amd64 libevent-core-2.1-7 amd64 2.1.11-stable-1 [89.1
kB]
Get:5 http://archive.ubuntu.com/ubuntu focal/main amd64 libevent-pthreads-2.1-7 amd64 2.1.11-stable-1 [
14.9 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal/main amd64 libmecab2 amd64 0.996-10build1 [233 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-server-core-8.0 amd64 8.0.36-0ubun
04.1 [22.7 MB]
Get:8 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-server-8.0 amd64 8.0.36-0ubuntu0.
22.0 [1326 kB]
Get:9 http://archive.ubuntu.com/ubuntu focal/main amd64 libhtml-tagset-perl all 3.20-4 [12.5 kB]
Get:10 http://archive.ubuntu.com/ubuntu focal/main amd64 liburi-perl all 1.76-2 [77.5 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal/main amd64 libhtml-parser-perl amd64 3.72-5 [86.3 kB]
Get:12 http://archive.ubuntu.com/ubuntu focal/main amd64 libcgi-pm-perl all 4.46-1 [186 kB]
Get:13 http://archive.ubuntu.com/ubuntu focal/main amd64 libfcgi-perl amd64 0.79-1 [33.1 kB]
Get:14 http://archive.ubuntu.com/ubuntu focal/main amd64 libcgi-fast-perl all 1:2.15-1 [10.5 kB]
Get:15 http://archive.ubuntu.com/ubuntu focal/main amd64 libencode-locale-perl all 1.05-1 [12.3 kB]
Get:16 http://archive.ubuntu.com/ubuntu focal/main amd64 libhtml-template-perl all 2.97-1 [59.0 kB]
Get:17 http://archive.ubuntu.com/ubuntu focal/main amd64 libtimedate-perl all 2.3200-1 [34.0 kB]
Get:18 http://archive.ubuntu.com/ubuntu focal/main amd64 libhttp-date-perl all 6.05-1 [9920 B]
Get:19 http://archive.ubuntu.com/ubuntu focal/main amd64 libio-html-perl all 1.001-1 [14.9 kB]
Get:20 http://archive.ubuntu.com/ubuntu focal/main amd64 liblwp-mediatypes-perl all 6.04-1 [19.5 kB]
Get:21 http://archive.ubuntu.com/ubuntu focal/main amd64 libhttp-message-perl all 6.22-1 [76.1 kB]
Get:22 http://archive.ubuntu.com/ubuntu focal/main amd64 mecab-utils amd64 0.996-10build1 [4912 B]
Get:23 http://archive.ubuntu.com/ubuntu focal/main amd64 mecab-ipadic all 2.7.0-20070801+main-2.1 [6714
kB]
Get:24 http://archive.ubuntu.com/ubuntu focal/main amd64 mecab-ipadic-utf8 all 2.7.0-20070801+main-2.1 [
6714 kB]
Get:25 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-server all 8.0.36-0ubuntu0.20.04
[8]

```

Remote monitoring

☒ Follow terminal folder

WSL-Ubuntu

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

/home/ritorta/

- Name
 - ..
 - .landscape
 - .Xauthority
 - .sudo_es_admin_successful
 - .profile
 - .motd_shown
 - .bashrc
 - .bash_logout
 - .bash_history

Normally, root should only be **allowed** to connect from **'localhost'**. This ensures that someone **cannot** guess at the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n

... skipping.

By default, MySQL comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No) : ^C

ritorta@Alicorn-113-St-527-BSF-13:~\$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD COMPONENT can be used to test passwords and improve security. It checks the strength of password and allows the users to set only those passwords which are secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: n

Skipping password set for root as authentication with auth_socket is used by default. If you would like to use password authentication instead, this can be done with the "ALTER_USER" command. See <https://dev.mysql.com/doc/refman/8.0/en/alter-user.html#alter-user-password-management> for more info.

By default, a MySQL installation has an anonymous user, allowing anyone to log into MySQL without having to have a user account created for them. This is intended only for testing, and to make the installation go a bit smoother. You should remove them before moving into a production environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : n

... skipping.

Normally, root should only be **allowed** to connect from **'localhost'**. This ensures that someone **cannot** guess at the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n

... skipping.

By default, MySQL comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No) : n

... skipping.

Reloading the privilege tables will ensure that all changes made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y

Success.

All done!

ritorta@Alicorn-113-St-527-BSF-13:~\$ ^C

ritorta@Alicorn-113-St-527-BSF-13:~\$

Remote monitoring

☒ Follow terminal folder

```
WSL-Ubuntu
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...
/home/ritorta/
- Name
  - .
  - .bandscap
  - .kauthrity
  - .sudo_ni_admin_successful
  - .profile
  - .motd_shown
  - .bashrc
  - .bash_logout
  - .bash_history

VALIDATE PASSWORD COMPONENT can be used to test passwords
and improve security. It checks the strength of password
and allows the users to set only those passwords which are
secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: n

Skipping password set for root as authentication with auth_socket is used by default.
If you would like to use password authentication instead, this can be done with the "ALTER_USER" command.
See https://dev.mysql.com/doc/refman/8.0/en/alter-user.html#alter-user-password-management for more info.

By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : n

... skipping.

Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n

... skipping.

By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No) : n

... skipping.

Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!
ritorta@Alicorn-113-St-527-B5F-13:~$ ^C
ritorta@Alicorn-113-St-527-B5F-13:~$ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 8.0.36-0ubuntu0.20.04.1 (Ubuntu)

Copyright (c) 2000, 2024, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY '1';
Query OK, 0 rows affected (0.01 sec)

mysql> exit
Bye
ritorta@Alicorn-113-St-527-B5F-13:~$
```

Управление пользователями - Airflow

Выберите учетную запись:
Добавить Дублировать

Пользоват...	Хост
Airflow	%
debian-sys...	localhost
mysql.info...	localhost
mysql.sess...	localhost
mysql.sys	localhost
root	localhost

Полномочия Ограничения Опции SSL

Имя пользователя: Airflow

Хост: %

Пароль:

Повторите пароль:

Разрешить доступ к:

Добавить объект

Глобальные разрешения

☒ EXECUTE

☒ PROCESS

☒ SELECT

☒ SHOW DATABASES

☒ SHOW VIEW

☒ ALTER

☒ ALTER ROUTINE

☒ CREATE

☒ CREATE ROUTINE

☒ CREATE TABLESPACE

☒ CREATE TEMPORARY TABLES

☒ CREATE VIEW

☒ DELETE

☒ DROP

☒ EVENT

☒ INDEX

☒ INSERT

☒ REFERENCES

☒ TRIGGER

☒ UPDATE

☒ CREATE USER

☒ FILE

☒ GRANT

☒ LOCK TABLES

☒ RELOAD

☒ REPLICATION CLIENT

☒ REPLICATION SLAVE

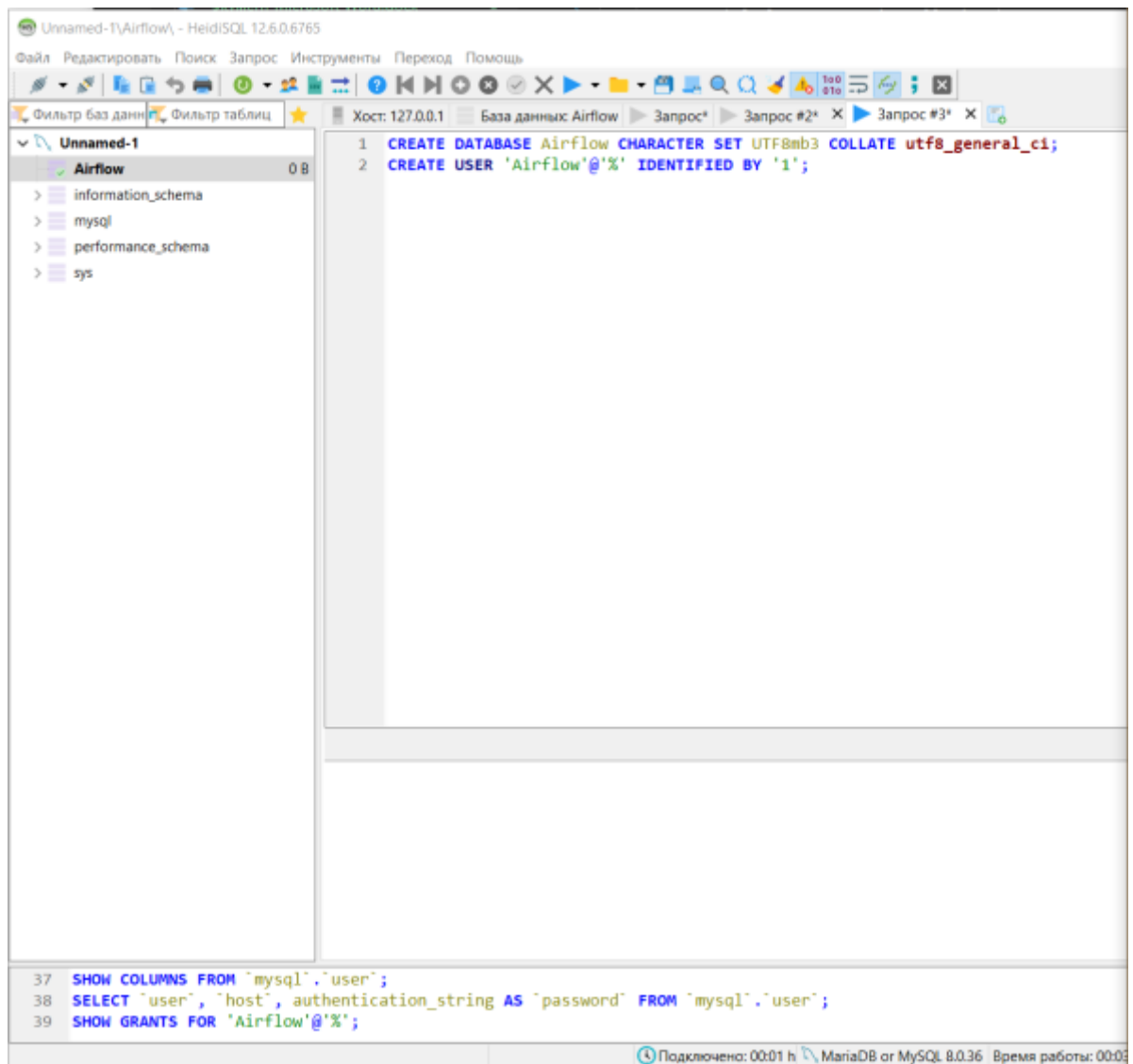
☒ SHUTDOWN

☒ SUPER

Сохранить

Отмена

Закреть




```
WSL-Ubuntu
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...
/home/ritorta/
- Name
- .
- .landscape
- .Xauthority
- .sudo_as_admin_successful
- .profile
- .motdShown
- .bashrc
- .bash_logout
- .bash_history

mysql> exit
Bye
ritorta@Alicorn-113-St-527-BSF-13:~$ sudo nano /etc/mysql/my.cnf
ritorta@Alicorn-113-St-527-BSF-13:~$ sudo nano /etc/mysql/my.cnf
ritorta@Alicorn-113-St-527-BSF-13:~$ sudo service mysql restart
* Stopping MySQL database server mysqld
* Starting MySQL database server mysqld
su: warning: cannot change directory to /nonexistent: No such file or directory

ritorta@Alicorn-113-St-527-BSF-13:~$ python3 -m venv airflow-venv && source airflow-venv/bin/activate
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:~$ pip install apache-airflow==2.7.3 --constraint "http
Collecting apache-airflow==2.7.3
  Downloading apache-airflow-2.7.3-py3-none-any.whl (12.9 MB)
    | 12.9 MB 8.7 MB/s
Collecting Flask==2.2.5
  Downloading Flask-2.2.5-py3-none-any.whl (101 kB)
    | 101 kB 9.7 MB/s
Collecting tenacity==8.2.3
  Downloading tenacity-8.2.3-py3-none-any.whl (24 kB)
Collecting alembic==1.12.1
  Downloading alembic-1.12.1-py3-none-any.whl (226 kB)
    | 226 kB 14.8 MB/s
Collecting apache-airflow-providers-unmap==3.4.0
  Downloading apache-airflow-providers-unmap-3.4.0-py3-none-any.whl (17 kB)
Collecting python-nvd3==0.15.0
  Downloading python-nvd3-0.15.0.tar.gz (31 kB)
Collecting Flask-Caching==2.1.0
  Downloading Flask-Caching-2.1.0-py3-none-any.whl (28 kB)
Collecting apache-airflow-providers-sqlite==3.5.0
  Downloading apache-airflow-providers-sqlite-3.5.0-py3-none-any.whl (13 kB)
Collecting cryptography==41.0.5
  Downloading cryptography-41.0.5-cp37-abi3-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (4.4 MB)
    | 4.4 MB 6.8 MB/s
Collecting python-dateutil==2.8.2
  Downloading python-dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
    | 247 kB 11.2 MB/s
Collecting graphviz==0.20.1
  Downloading graphviz-0.20.1-py3-none-any.whl (47 kB)
    | 47 kB 6.8 MB/s
Collecting Flask-Session==0.5.0
  Downloading flask_session-0.5.0-py3-none-any.whl (7.2 kB)
Collecting SQLAlchemy==1.4.50
  Downloading SQLAlchemy-1.4.50-cp38-cp38-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux_2_12_x86_64.m
    | 1.6 MB 15.0 MB/s
Collecting Jinja2==3.1.2
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    | 133 kB 10.4 MB/s
Collecting python-slugify==8.0.1
  Downloading python_slugify-8.0.1-py2.py3-none-any.whl (9.7 kB)
Collecting cron-descriptor==1.4.0
  Downloading cron_descriptor-1.4.0.tar.gz (29 kB)
Collecting Pygments==2.16.1
  Downloading Pygments-2.16.1-py3-none-any.whl (1.2 MB)
    | 1.2 MB 12.2 MB/s
Collecting ConfigUpdater==3.1.1
  Downloading ConfigUpdater-3.1.1-py2.py3-none-any.whl (34 kB)
Collecting packaging==23.2
  Downloading packaging-23.2-py3-none-any.whl (53 kB)
    | 53 kB 3.4 MB/s
Collecting itsdangerous==2.1.2
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting opentelemetry-exporter-otlp==1.20.0
  Downloading opentelemetry_exporter_otlp-1.20.0-py3-none-any.whl (7.0 kB)
Collecting argcomplete==3.1.3
  Downloading argcomplete-3.1.3-py3-none-any.whl (41 kB)
    | 41 kB 940 kB/s
Collecting cattrs==23.1.2
```

```
WSL-Ubuntu
Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...
/home/ritorta/
- Name
- .landscape
- .Xauthority
- .sudo_as_admin_successful
- .profile
- .motd_shown
- .bashrc
- .bash_logout
- .bash_history

Traceback (most recent call last):
  File "/usr/lib/python3.8/pathlib.py", line 1288, in mkdir
    self._accessor.mkdir(self, mode)
FileNotFoundError: [Errno 2] No such file or directory: '/home/airflow/logs/scheduler'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "/usr/lib/python3.8/pathlib.py", line 1288, in mkdir
    self._accessor.mkdir(self, mode)
FileNotFoundError: [Errno 2] No such file or directory: '/home/airflow/logs'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "/usr/lib/python3.8/logging/config.py", line 563, in configure
    handler = self.configure_handler(handlers[name])
  File "/usr/lib/python3.8/logging/config.py", line 744, in configure_handler
    result = factory(**kwargs)
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/utils/log/file_processor_handler.py", line 128, in __init__
    Path(self.get_log_directory()).mkdir(parents=True, exist_ok=True)
  File "/usr/lib/python3.8/pathlib.py", line 1292, in mkdir
    self.parent.mkdir(parents=True, exist_ok=True)
  File "/usr/lib/python3.8/pathlib.py", line 1292, in mkdir
    self.parent.mkdir(parents=True, exist_ok=True)
  File "/usr/lib/python3.8/pathlib.py", line 1292, in mkdir
    self.parent.mkdir(parents=True, exist_ok=True)
  File "/usr/lib/python3.8/pathlib.py", line 1288, in mkdir
    self._accessor.mkdir(self, mode)
PermissionError: [Errno 13] Permission denied: '/home/airflow'

The above exception was the direct cause of the following exception:

Traceback (most recent call last):
  File "/home/ritorta/airflow-venv/bin/airflow", line 5, in <module>
    from airflow.__main__ import main
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/__init__.py", line 68, in <module>
    settings.initialize()
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/settings.py", line 541, in initialize
    LOGGING_CLASS_PATH = configure_logging()
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/logging_config.py", line 74, in configure_logging
    raise e
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/logging_config.py", line 69, in dictConfig
    dictConfig(logging_config)
  File "/usr/lib/python3.8/logging/config.py", line 808, in dictConfig
    dictConfigClass(config).configure()
  File "/usr/lib/python3.8/logging/config.py", line 570, in configure
    raise ValueError('Unable to configure handler')
ValueError: Unable to configure handler 'processor'

(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:~$ cd ..
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$ ls
ritorta
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$ sudo chmod -R 777 ./
[sudo] password for ritorta:
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$ ls
ritorta
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$ export AIRFLOW_HOME=/home/airflow && airflow db
/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/cli/commands/db_command.py:43 DeprecationWarning:
t-connections to create the default connections
DB: sqlite:///home/airflow/airflow.db
[2024-04-24T20:33:18.434+0500] {migration.py:213} INFO - Context impl SQLiteImpl.
[2024-04-24T20:33:18.435+0500] {migration.py:216} INFO - Will assume non-transactional DDL.
INFO [alembic.runtime.migration] Context impl SQLiteImpl.
INFO [alembic.runtime.migration] Will assume non-transactional DDL.
INFO [alembic.runtime.migration] Running stamp_revision -> 405de8318b3a
WARNI [airflow.models.crypto] empty cryptography key - values will not be stored encrypted.
Initialization done
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$
```



```
WSL-Ubuntu
Terminal Sessions View X server Tools Games Settings Macros Help
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Quick connect...
/home/airflow/
- Name
- logs
- dags
- airflow.db
- airflow.cfg

INFO [alembic.runtime.migration] Context impl SQLiteImpl.
INFO [alembic.runtime.migration] Will assume non-transactional DDL.
INFO [alembic.runtime.migration] Running stamp_revision -> 405de8318b3a
WARNI [airflow.models.crypto] empty cryptography key - values will not be stored encrypted.
Initialization done
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$ export AIRFLOW_HOME=/home/airflow && airflow db
Traceback (most recent call last):
  File "/home/ritorta/airflow-venv/bin/airflow", line 5, in <module>
    from airflow.__main__ import main
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/__init__.py", line 68, in <module>
    settings.initialize()
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/settings.py", line 546, in initialize
    configure_orm()
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/airflow/settings.py", line 242, in configure_orm
    engine = create_engine(SQLALCHEMY_CONN, connect_args=connect_args, **engine_args, futures=True)
  File "<string>", line 2, in create_engine
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/sqlalchemy/util/deprecations.py", line 305, in warn
    return fn(*args, **kwargs)
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/sqlalchemy/engine/create.py", line 544, in create_engine
    dbapi = dialect_cls.dbapi(**dbapi_args)
  File "/home/ritorta/airflow-venv/lib/python3.8/site-packages/sqlalchemy/dialects/mysql/mysql.py", line 100, in dbapi
    return __import__("MySQLdb")
ModuleNotFoundError: No module named 'MySQLdb'
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$ ^C
(airflow-venv) ritorta@Alicorn-113-St-527-BSF-13:/home$ sudo apt-get install python3.8-dev libmysqlclient-dev
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3.8-dev is already the newest version (3.8.10-0ubuntu1~20.04.9).
python3.8-dev set to manually installed.
The following packages were automatically installed and are no longer required:
  libfwupdplugin1 libxmlb1
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libmysqlclient21 libssl-dev
Suggested packages:
  libssl-doc
The following NEW packages will be installed:
  libmysqlclient-dev libmysqlclient21 libssl-dev
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 4529 kB of archives.
After this operation, 25.7 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libmysqlclient21 amd64 8.0.36-0ubuntu0.20.04.1 [15.1 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libssl-dev amd64 1.1.1f-1ubuntu2.22 [15.1 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libmysqlclient-dev amd64 8.0.36-0ubuntu0.20.04.1 [4514 kB]
Fetched 4529 kB in 2s (2508 kB/s)
Selecting previously unselected package libmysqlclient21:amd64.
(Reading database ... 39507 files and directories currently installed.)
Preparing to unpack .../libmysqlclient21_8.0.36-0ubuntu0.20.04.1_amd64.deb ...
Unpacking libmysqlclient21:amd64 (8.0.36-0ubuntu0.20.04.1) ...
Selecting previously unselected package libssl-dev:amd64.
Preparing to unpack .../libssl-dev_1.1.1f-1ubuntu2.22_amd64.deb ...
Unpacking libssl-dev:amd64 (1.1.1f-1ubuntu2.22) ...
Selecting previously unselected package libmysqlclient-dev.
Preparing to unpack .../libmysqlclient-dev_8.0.36-0ubuntu0.20.04.1_amd64.deb ...
Unpacking libmysqlclient-dev (8.0.36-0ubuntu0.20.04.1) ...
Setting up libmysqlclient21:amd64 (8.0.36-0ubuntu0.20.04.1) ...
Setting up libssl-dev:amd64 (1.1.1f-1ubuntu2.22) ...
Setting up libmysqlclient-dev (8.0.36-0ubuntu0.20.04.1) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.15) ...
/sbin/ldconfig.real: /usr/lib/wsl/lib/libcudart.so.1 is not a symbolic link

Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
```



DAGs

Cluster Activity

Datasets

Security

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Docs

DAGs

All 0 Active 0 Paused 0

Running 0 Failed 0

Filter DAGs by tag

DAG	Owner	Runs	Schedule
No results			

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Version: v2.7.3

Git Version: .release:f1243537838516b8bb8156130bc001595bfbbeb01