

# Read me first – instructions on how to run the Wiki Search app

## 1. Use Linux VM to run Flask app

- Configure network settings. Use a NAT (or Bridged) adapter to ensure internet access and a host-only adapter to connect with other VMs.
- Install necessary updates and Python.
- Create a directory for the project and make sure to create and activate a virtual environment.

## 2. Use EC2 to search Wikipedia

- Connect with your instance from the host terminal using SSH.
- Install available updates and Python.
- Create and activate a virtual environment.
- Install the Wikipedia package
- Transfer a copy of the wiki.py file to your EC2 instance

## 3. Use another Linux VM to set up a database

- Make sure the host-only adapter is enabled in the VM's network settings.
- Set static IP 192.168.56.101.
- Ensure Docker is installed.

## 4. Update the code with your parameters

- Go to EC2 connection settings (EC2\_CONFIG) in main.py and update them with details of your EC2 instance.
- Find Database connection settings in my.py and add details of your MySQL connection.
- Update the secret key in main.py
- Add the IP of your EC2 instance and the path of your key file.

## 5. Run main.py in VM. Navigate to `http://IP_of_your_Linux_VM:5000` in your browser.