# Installation Manual of Proxy Fetcher

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Supported OS: Ubuntu 18.04 or above

**Step 1:** Get information on the newest versions of packages and their dependencies.

```
sudo apt-get update && sudo apt-get upgrade
```

**Step 2:** Install all necessary python library and postgresql for production

```
sudo apt-get install python3-pip python3-dev libpq-dev
```

**Step 3:** Create Python Virtual environment to install necessary python dependency

```
sudo -H pip3 install virtualenv  # Install Virtualenv

virtualenv -p python3 env # create virtualenv

source env/bin/activate # env

cd proxy-service-provider/

pip install -r requirements.txt
```

**Step 4:** Download the Selenium WebDriver by executing the shell command.

```
# it will create a driver folder and download the chrome webdriver there

./install_driver.sh
```

**Step 5:** Now go inside the backend project directory and execute the shell command to do the migration for Django Project and run the server

```
# Go Inside backend Project

cd src/
```

```
# Run the script for migration and executing the command.

./initial_run.sh
```

Now you will see following messages

```
System check identified no issues (0 silenced).
June 28, 2020 - 18:56:36
Django version 3.0.7, using settings 'proxy_service_provider.settings.core'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
```

**Step 6:** Now to configure out fron-end we need to install **NodeJS** in out system.  After that following three command can easily run the front-end system in the system.

```
# To Install Necessary front-end package
npm run install

# To Development RUN
npm run serve

# For Production and Static File Generate
npm run build
```