

# pip

## Installation

### Tutorials

- [Install packages in a virtual environment using pip and venv - Python Packaging User Guide](#)

NOTE: The following commands still require internet connection.

### get-pip.py

```
# Latest version of python
curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py

# For python 2.7.x
curl https://bootstrap.pypa.io/2.7/get-pip.py -o get-pip.py

# Offline Install the pip
sudo python get-pip.py

# Install pip
python3 -m pip install pip
```

### Update the pip

```
pip install --upgrade pip

python3 -m pip install --upgrade pip
```

## Module install

```
# Downloading the source files required for the module mkdocs, which requires an internet.
```

```
pip download -d <output-dir> mkdocs
```

```
# Offline install the module mkdocs
```

```
pip install <output-dir>/*.whl
```

## Proxy server

```
pip install --proxy http://<usr_name>:<password>@<proxyserver_name>:<port#> <pkg_name>
```

```
pip config set global.proxy http://account:password@xxx.com.tw:8080
```

```
pip config set global.trusted-host pypi.python.org\npypi.org\nfiles.pythonhosted.org
```

## Command

### List installed modules

```
sudo pip list
```

### Upgrade module

```
sudo pip install --upgrade <MODULENAME>
```

### Export the list of installed modules

```
pip freeze > requirements.txt
```

### Install modules in requirements.txt

```
pip install -r requirements.txt
```

### Check if the specified module was already installed

```
python3 -c "import tensorrt_llm"
```

## Q & A

❗ ERROR: Could not find a version that satisfies the requirement XXXX (from versions: none)

?? `pip install XXXX` ????????

Solution:

??????? `python -m pip install XXXX`

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