

| 카카오톡 봇 강좌 | >

# [기타] Ubuntu에 Python3.8, Flask 설치하기



핀밀크 챗봇 고수 1:1 채팅  
2020.07.22. 14:27 조회 52

댓글 1 URL 복사

## 강좌할 주제

=> 파이썬, Flask 설치

## 강좌 내용

=>

저희는 오늘 Ubuntu에 Python 3.8을 설치해보겠습니다.

## 주의 사항

1. Andronix Ubuntu 19.10 Non-DE 버전, Raspberry Pi 4 Ubuntu 18.04 버전, Ubuntu 18.04(amd64) 버전에서 테스트 하였습니다.

2. 이하 모든 과정은 root 권한을 가지고 실행합니다.

## 1. 준비 과정

. . .

일단 기본적인 준비를 시작하겠습니다.

```
apt update && apt upgrade -y && apt autoremove -y
```

를 터미널에 입력하여 실행합니다.

```
Community forum: https://termux.com/community
Gitter chat:      https://gitter.im/termux/termux
IRC channel:      #termux on freenode

Working with packages:

* Search packages:  pkg search <query>
* Install a package: pkg install <package>
* Upgrade packages: pkg upgrade

Subscribing to additional repositories:

* Root:      pkg install root-repo
* Unstable:  pkg install unstable-repo
* X11:       pkg install x11-repo

Report issues at https://termux.com/issues

$ ./start_ubuntu19.sh
```

```

$ ./start-ubuntu19.sh
root@localhost:~# apt update
Hit:1 http://ports.ubuntu.com/ubuntu-ports eoan InRelease
Hit:2 http://ports.ubuntu.com/ubuntu-ports eoan-updates InRelease
Hit:3 http://ports.ubuntu.com/ubuntu-ports eoan-backports InRelease
Hit:4 http://ports.ubuntu.com/ubuntu-ports eoan-security InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
root@localhost:~# apt upgrade -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@localhost:~# apt autoremove -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@localhost:~# █

```

ESC ↵ CTRL ALT - ↓ ↑

그 다음,

```
apt install software-properties-common -y
```

를 실행합니다.

이제 ppa를 추가해 줄 차례입니다.

```
add-apt-repository ppa:deadsnakes/ppa
```

를 실행합니다.

```

Failed to open connection to "system" message bus: Failed to connect to socket /var/run/dbus/system_bus_socket: No such file or directory
invoke-rc.d: initscript dbus, action "force-reload" failed.
Failed to open connection to "system" message bus: Failed to connect to socket /var/run/dbus/system_bus_socket: No such file or directory
Setting up libkrb5-26-heimdal:arm64 (7.5.0+dfsg-3build1) ...
Setting up packagekit-tools (1.1.12-5ubuntu4) ...
Setting up libheimntlm0-heimdal:arm64 (7.5.0+dfsg-3build1) ...
Setting up software-properties-common (0.98.5) ...
Setting up libgssapi3-heimdal:arm64 (7.5.0+dfsg-3build1) ...
Setting up libldap-2.4-2:arm64 (2.4.48+dfsg-1ubuntu1.2) ...

```

```
Setting up libzstd-dev (1.3.7+repack-1ubuntu1) ...
...
Setting up dirmngr (2.2.12-1ubuntu3) ...
Setting up gpg-wks-client (2.2.12-1ubuntu3) ...
Setting up gnupg (2.2.12-1ubuntu3) ...
Processing triggers for systemd (242-7ubuntu3.11) ...
Processing triggers for dbus (1.12.14-1ubuntu2.1) ...
Processing triggers for libc-bin (2.30-0ubuntu2.2) ...
root@localhost:~# add-apt-repository ppa:deadsnakes/ppa
```

아래 사진처럼 되었을 때, 엔터를 한 번 눌러줘야 합니다.

엔터를 눌러줍니다.

```
Python modules in the official Ubuntu repositories are packaged to work with the Python interpreters from the official repositories. Accordingly, they generally won't work with the Python interpreters from this PPA. As an exception, pure-Python modules for Python 3 will work, but any compiled extension modules won't.

To install 3rd-party Python modules, you should use the common Python packaging tools. For an introduction into the Python packaging ecosystem and its tools, refer to the Python Packaging User Guide:
https://packaging.python.org/installing/

Sources
=====
The package sources are available at:
https://github.com/deadsnakes/

Nightly Builds
=====

For nightly builds, see ppa:deadsnakes/nightly https://launchpad.net/~deadsnakes/+archive/ubuntu/nightly
More info: https://launchpad.net/~deadsnakes/+archive/ubuntu/ppa
Press [ENTER] to continue or Ctrl-c to cancel adding it.
```

이로써 준비 과정은 끝났습니다.



## 2. 설치 과정

이제 본격적으로 Python 3.8을 설치할 차례입니다.

```
apt install python3.8
```

을 실행해 줍니다.

```
For nightly builds, see ppa:deadsnakes/nightly https://l
aunchpad.net/~deadsnakes/+archive/ubuntu/nightly
More info: https://launchpad.net/~deadsnakes/+archive/u
buntu/ppa
Press [ENTER] to continue or Ctrl-c to cancel adding it.

Ign:1 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu eoan InRelease
Hit:2 http://ports.ubuntu.com/ubuntu-ports eoan InRelease
Hit:3 http://ports.ubuntu.com/ubuntu-ports eoan-updates InRelease
Hit:4 http://ports.ubuntu.com/ubuntu-ports eoan-backports InRelease
Err:5 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu eoan Release
  404 Not Found [IP: 91.189.95.83 80]
Hit:6 http://ports.ubuntu.com/ubuntu-ports eoan-security InRelease
Reading package lists... Done
E: The repository 'http://ppa.launchpad.net/deadsnakes/ppa/ubuntu eoan Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
root@localhost:~# apt install python3.8
```

ESC



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이렇게 파이썬 설치가 끝나면 가상 환경을 설정해야 합니다.

```
apt install python3-venv
```

를 입력하여 venv를 설치해 줍니다.

```
bash: pip3: command not found
root@localhost:~# pip
bash: pip: command not found
root@localhost:~# python3
Python 3.7.5 (default, Apr 19 2020, 20:18:17)
[GCC 9.2.1 20191008] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()
root@localhost:~# gcc
bash: gcc: command not found
root@localhost:~# python3
Python 3.7.5 (default, Apr 19 2020, 20:18:17)
[GCC 9.2.1 20191008] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import sys
>>> exit()
root@localhost:~# python3
Python 3.7.5 (default, Apr 19 2020, 20:18:17)
[GCC 9.2.1 20191008] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> print('Py!')
Py!
>>> exit()
root@localhost:~# apt install python3-venv
```



ESC



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가상 환경을 만들어 줄 차례입니다.

```
python3 -m venv venv
```

로 현재 폴더에 venv라는 이름을 가진 가상 환경을 만들어줍니다.

```
Unpacking python-pip-whl (18.1-5) ...
Selecting previously unselected package python3-lib2to3.
Preparing to unpack .../python3-lib2to3_3.7.5-1build1_al
l.deb ...
Unpacking python3-lib2to3 (3.7.5-1build1) ...
Selecting previously unselected package python3-distutil
s.
Preparing to unpack .../python3-distutils_3.7.5-1build1_
all.deb ...
Unpacking python3-distutils (3.7.5-1build1) ...
Selecting previously unselected package python3.7-venv.
Preparing to unpack .../python3.7-venv_3.7.5-2~19.10ubun
tu1_arm64.deb ...
Unpacking python3.7-venv (3.7.5-2~19.10ubuntu1) ...
Selecting previously unselected package python3-venv.
Preparing to unpack .../python3-venv_3.7.5-1_arm64.deb .
..
Unpacking python3-venv (3.7.5-1) ...
Setting up python-pip-whl (18.1-5) ...
Setting up python3-lib2to3 (3.7.5-1build1) ...
Setting up python3-distutils (3.7.5-1build1) ...
Setting up python3.7-venv (3.7.5-2~19.10ubuntu1) ...
Setting up python3-venv (3.7.5-1) ...
root@localhost:~# python3 -m venv venv
```

ESC



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가상환경이 만들어진 후,

```
source venv/bin/activate
```

를 입력하여 가상환경을 활성화 할 수 있습니다.

```
Unpacking python-pip-whl (18.1-5) ...
Selecting previously unselected package python3-lib2to3.
Preparing to unpack .../python3-lib2to3_3.7.5-1build1_al
l.deb ...
Unpacking python3-lib2to3 (3.7.5-1build1) ...
Selecting previously unselected package python3-distutil
s.
Preparing to unpack .../python3-distutils_3.7.5-1build1_
all.deb ...
Unpacking python3-distutils (3.7.5-1build1) ...
Selecting previously unselected package python3.7-venv.
Preparing to unpack .../python3.7-venv_3.7.5-2~19.10ubun
tu1_arm64.deb ...
Unpacking python3.7-venv (3.7.5-2~19.10ubuntu1) ...
Selecting previously unselected package python3-venv.
Preparing to unpack .../python3-venv_3.7.5-1_arm64.deb .
..
Unpacking python3-venv (3.7.5-1) ...
Setting up python-pip-whl (18.1-5) ...
Setting up python3-lib2to3 (3.7.5-1build1) ...
Setting up python3-distutils (3.7.5-1build1) ...
Setting up python3.7-venv (3.7.5-2~19.10ubuntu1) ...
Setting up python3-venv (3.7.5-1) ...
```

```
Setting up python3-11b2c03 (3.7.5-1build1) ...
Setting up python3-distutils (3.7.5-1build1) ...
Setting up python3.7-venv (3.7.5-2~19.10ubuntu1) ...
Setting up python3-venv (3.7.5-1) ...
root@localhost:~# python3 -m venv venv
root@localhost:~# source venv/bin/activate
```

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활성화 하고 나면 (venv) root@localhost: ~# 꼴이 됩니다.

가상환경을 비활성화 하고 싶을 때에는 deactivate를 입력하면 됩니다.

*파이썬 설치만을 원하시면 여기서 나가시면 됩니다.*

• • • • •

### 3. Flask 설치(선택 사항)

• • •

이제 플라스크를 설치하려 합니다.

```
pip install wheel
```

을 실행합니다.

```
File "/root/venv/lib/python3.7/site-packages/pip/_internal/req/req_install.py", line 12, in <module>
    from pip._vendor.packaging.requirements import Requirement
File "<frozen importlib._bootstrap>", line 983, in _find_and_load
File "<frozen importlib._bootstrap>", line 967, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 668, in _load_unlocked
File "<frozen importlib._bootstrap>", line 638, in _load_backward_compatible
File "/root/venv/share/python-wheels/packaging-19.0-py2.py3-none-any.whl/packaging/requirements.py", line 14, in <module>
File "<frozen importlib._bootstrap>", line 983, in _find_and_load
File "<frozen importlib._bootstrap>", line 967, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 668, in _load_unlocked
File "<frozen importlib._bootstrap>", line 638, in _load_backward_compatible
File "<frozen importlib._bootstrap_external>", line 1459, in _fix_up_module
KeyboardInterrupt
(venv) root@localhost:~# pip install wheel
```

ESC



CTRL

ALT



바로 다음,

```
pip install flask
```

를 실행하여 flask를 설치합니다.

```
File "<frozen importlib._bootstrap>", line 668, in _load_unlocked
File "<frozen importlib._bootstrap>", line 638, in _load_backward_compatible
File "/root/venv/share/python-wheels/packaging-19.0-py2.py3-none-any.whl/packaging/requirements.py", line 14, in <module>
File "<frozen importlib._bootstrap>", line 983, in _find_and_load
File "<frozen importlib._bootstrap>", line 967, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 668, in _load_unlocked
File "<frozen importlib._bootstrap>", line 638, in _load_backward_compatible
File "<frozen importlib._bootstrap_external>", line 1459, in _fix_up_module
KeyboardInterrupt
(venv) root@localhost:~# pip install wheel
Collecting wheel
  Downloading https://files.pythonhosted.org/packages/8c/23/848298ccccf8e40f5bbb59009b32848a4c38f4e7f3364297ab3c3e2e2cd14/wheel-0.34.2-py2.py3-none-any.whl
Installing collected packages: wheel
Successfully installed wheel-0.34.2
(venv) root@localhost:~# pip install flask
```

ESC



CTRL

ALT



이제 테스트를 해 볼 차례입니다.

```
nano app.py
```

를 입력하여 app.py 파일을 만들어 줍니다.

```
s
Collecting MarkupSafe>=0.23 (from Jinja2>=2.10.1->flask)
  Downloading https://files.pythonhosted.org/packages/b9/2e/64db92e53b86efccfaea71321f597fa2e1b2bd3853d8ce658568f7a13094/MarkupSafe-1.1.1.tar.gz
Building wheels for collected packages: MarkupSafe
  Running setup.py bdist_wheel for MarkupSafe ... done
  Stored in directory: /root/.cache/pip/wheels/f2/aa/04/0edf07a1b8a5f5f1aed7580fffb69ce8972edc16a505916a77
Successfully built MarkupSafe
Installing collected packages: click, MarkupSafe, Jinja2, itsdangerous, Werkzeug, flask
Successfully installed Jinja2-2.11.2 MarkupSafe-1.1.1 Werkzeug-1.0.1 click-7.1.2 flask-1.1.2 itsdangerous-1.1.0
(venv) root@localhost:~# nano app.py
```

ESC



CTRL

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그리고 nano 에디터 안에서

그리고 nano 에디터의 실행 방법

```
from flask import Flaskapp = Flask(__name__)@app.route('/')def test():    return "Hello, world!"    if __name__ == "__main__":        app.run()
```

을 입력해 줍니다.

그 다음 ctrl+x, y, 엔터를 눌러 저장합니다.

```
GNU nano 4.3      app.py      Modified
from flask import Flask
app = Flask(__name__)

@app.route('/')
def test():
    return "Hello, world!"

if __name__ == "__main__":
    app.run()

^G Get Help      ^O Write Out     ^W Where Is      ^K Cut Text
^X Exit          ^R Read File     ^\ Replace        ^U Paste Text

ESC  ␣  CTRL  ALT  -  ↓  ↑
```

그리고

```
python3 app.py
```

를 입력하여 실행합니다.

```
/editor (editor) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/editor.1.gz because associated file /usr/share/man/man1/nano.1.gz (of link group editor) doesn't exist
update-alternatives: using /bin/nano to provide /usr/bin/pico (pico) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/pico.1.gz because associated file /usr/share/man/man1/nano.1.gz (of link group pico) doesn't exist
(venv) root@localhost:~# nano app.py
(venv) root@localhost:~# python3 app.py
File "app.py", line 1
    import flask from Flask
                  ^
SyntaxError: invalid syntax
(venv) root@localhost:~# nano app.py
(venv) root@localhost:~# python3 app.py
```



```
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it
in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to qu
it)
```

프로그램이 돌아가는 것을 확인한 후, localhost:5000(Flask 기본 포트가 5000)에 접속하여 "Hello, world!" 문구가 출력되는  
지 확인합니다.



localhost



# Hello, world!



이런 식으로 출력되면 성공입니다.

( 말머리 등록 해주세요! )

#flask

#python

#파이썬

#플라스크

#우분투

#ubuntu



핀밀크님의 게시물 더보기 >



좋아요 0



댓글 1



공유

신고

댓글

등록순

최신순



댓글알림



이슬두병

만약 텍스트기반 서버라면

```
sudo apt-get install lynx
```

하셔서 lynx를 설치하신 후 다른 터미널을 하나 더 여신 후

```
lynx "127.0.0.1:5000"
```

하시면 저 화면을 텍스트기반으로 보실 수 있습니다.

2020.07.23. 08:50 답글 쓰기

Hibot

댓글을 남겨보세요



등록

글쓰기

답글

목록

▲ TOP

'카카오톡 봇 강좌' 게시판 글

전체 [기타] 말머리 글

이 게시판 새글 구독하기



[응용] RPG 게임 봇 강좌 | 주석을 읽어주세요! [2] N

OtakoidTony

2020.07.22.

[중급] 파일스트림 기초 설명(간략) <span>[14]</span> <span>N</span>	지식이 부족한 인간	2020.07.22.
[기타] Ubuntu에 Python3.8, Flask 설치하기 <span>[1]</span> <span>N</span>	핀밀크	2020.07.22.
[중급] 파이썬으로 Flask 서버 열고 자스로 파싱해서 쓰기 (1) <span>[15]</span> <span>N</span>	Steve28	2020.07.22.
[응용] 가르치기 봇 만들기 강좌 <span>[10]</span>	OtakoidTony	2020.07.19.

전체보기

이 카페 인기글

안녕하세요

꼬꼬마  
♡0 💬5



빠르다.

RPG 게임 봇 강좌 | 주석을 읽어주세요!  
OtakoidTony  
♡1 💬5



카톡 오픈채팅 봇

자바스크립트 사랑해  
어썬팩  
♡0 💬4  
라고봇  
♡0 💬17

확률설정은 어케하나요?  
Milk2  
♡2 💬8

봇 pc 에서 개발 어케하나요??

루키제이  
♡1 💬8

안녕하십쇼

단구구  
♡0 💬4

Nox에서 Ctrl C V 쓰는법

OtakoidTony  
♡0 💬7