

Virtual Environment for Python

The venv module provides support for creating lightweight “virtual environments” with their own site directories, optionally isolated from system site directories. Each virtual environment has its own Python binary (which matches the version of the binary that was used to create this environment) and can have its own independent set of installed Python packages in its site directories.

<https://docs.python.org/3/library/venv.html>

Initialize the Environment

```
python3 -m venv /path/to/new/virtual/environment
```

Activate the Environment

```
cd /path/to/new/virtual/environment  
source ./bin/activate
```

Deactivate the Environment

```
deactivate
```

Bash Prompt

Bash prompt, normal:

```
username@hostname:~/current/path$
```

Bash prompt, with virtual environment activated:

```
(current_dir) username@hostname:~/current/path$
```

[python](#)

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