

# Pyenv

Pyenv

Python

Python

## 1. Pyenv

### Linux/macOS

```
curl https://pyenv.run | bash
```

shell

~/.bashrc, ~/.zshrc, ~/.bash\_profile

```
export PYENV_ROOT="$HOME/.pyenv"
export PATH="$PYENV_ROOT/bin:$PATH"
eval "$(pyenv init -)"
eval "$(pyenv virtualenv-init -)" #
```

shell

```
exec "$SHELL"
```

### Windows

Windows

pyenv-win

```
Invoke-WebRequest -UseBasicParsing -Uri "https://raw.githubusercontent.com/pyenv-win/pyenv-win/master/pyenv-win/install-pyenv-win.ps1" -OutFile "./install-pyenv-win.ps1"; &"./install-pyenv-win.ps1"
```

## 2.

## Python

```
#  
pyenv install --list  
  
#  
pyenv install 3.9.7  
  
#  
pyenv install $(pyenv latest -k 3)
```

```
pyenv versions
```

\*

## Python

```
#  
pyenv global 3.9.7  
  
#  
pyenv local 3.8.12  
  
# shell  
pyenv shell 3.10.0
```

## Python

```
pyenv uninstall 3.7.12
```

## 3.



```
# Ubuntu/Debian
sudo apt-get install -y make build-essential libssl-dev zlib1g-dev \
libbz2-dev libreadline-dev libsqlite3-dev wget curl llvm \
libncursesw5-dev xz-utils tk-dev libxml2-dev libxmlsec1-dev libffi-dev liblzma-dev

# CentOS/RHEL
sudo yum install -y gcc zlib-devel bzip2 bzip2-devel readline-devel \
sqlite sqlite-devel openssl-devel tk-devel libffi-devel
```



```
# [ ] [ ] [ ] [ ] [ ] [ ]
v=3.9.7;wget https://npm.taobao.org/mirrors/python/$v/Python-$v.tar.xz -P ~/.pyenv/cache/;pyenv install $v

# [ ] [ ] [ ] [ ] [ ] [ ]
export PYTHON_BUILD_MIRROR_URL="https://npm.taobao.org/mirrors/python"
```

## Pyenv

```
pyenv update
```

## 5.

## Python

```
# [ ] [ ] [ ] [ ] [ ] [ ]
cd my-project

# [ ] [ ] [ ] [ ] [ ] [ ] Python [ ] [ ]
pyenv local 3.8.12

# [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
pyenv virtualenv 3.8.12 my-project-env
```

```
# [][]
pyenv activate my-project-env
```

```
# [][]
pip install -r requirements.txt
```



```
# [][]
python --version
```

```
# [][]
pyenv shell 3.7.12
python --version
```

```
# [][]
pyenv shell --unset
python --version
```

## 6. [][]

□ ~/.pyenv/ [][]

- plugins/python-build/share/python-build/ - [][] Python [][]
- cache/ - [][] Python [][]

## 7. [][]

### □ Pipenv [][]

```
pyenv local 3.9.7
pip install --user pipenv
pipenv install
```

