

Update python3.9.7 via pyenv

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Recently av-stack has been mitigated to python 3.9.7, and prt has accordingly.

This will create a user specific python3 version, with the ability to install multiple different versions in the future (including conda) and be able to switch between them.

Before starting these steps, make sure you have installed the dependencies in the suggested build environment for pyenv [here](#).

1. Install pyenv

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

2. Add the following to your ~/.bashrc file:

```
# PyEnv
export PATH="$HOME/.local/bin:$HOME/.pyenv/bin:$PATH"
eval "$(pyenv init --path)"
eval "$(pyenv init -)"
export PYENV_VERSION=3.9.7
```

3. restart your shell or execute

```
exec "$SHELL"
```

4. Install python 3.9.7 using pyenv (will use the PYENV_VERSION)

```
pyenv install 3.9.7
```

5. restart your shell

6. confirm the python version is 3.9.7 and \$PATH starts with ~/.pyenv/shims

```
python -V          >          Python 3.9.7
echo $PATH         >          $HOME/.pyenv/shims:$HOME/.pyenv/bin:...
```

Switch python version via pyenv

Python versions can be switched using pyenv.

Among the available pyenv versions (shown by *pyenv versions*), and it can be switched by *pyenv shell/local/global <pyenv version>*.

If new python version is needed, it can be installed by command *pyenv install <pyenv version>*.

```
pyenv install <pyenv version>          : Install new version of pyenv
pyenv versions                          : check the available pyenv
versions
pyenv shell/local/global <pyenv version> : Switch pyenv version limited to 1)local: current directory, 2)
shell: current shell, 3)global: entire workspace
```