

Virtual Environments to Customize Environment

Using Virtualenv

To create a virtual environment, one can use the `--system-site-packages` flag:

```
python -m venv --system-site-packages my_env  
source my_env/bin/activate
```

System Site Packages

There are many packages available on the system. Run the following Python script to retrieve the location of the packages:

```
import sys  
site_packages = next(p for p in sys.path if 'site-packages' in p)  
print(site_packages)
```

Given the location of the packages, one may list the packages. For example:

```
ls -al /opt/sambaflow/venv/lib/python3.7/site-packages
```

Installing Packages

Install packages in the normal manner such as:

```
python3 -m pip install "SomeProject"
```

For more details see [Use pip for installing](#).

To install a different version of a package that is already installed in one's environment, one can use:

```
pip install --ignore-installed ... # or -I
```

Note: Conda is not supported on the SambaNova system.