Building and installing Debian packages (.deb)

This section will describe how to build and install the Debian packages needed for the CNaaS tests. **This assumes you already have perfsonar-testpoint installed and configured properly.**

First step is to install the packages required for building Debian packages. Installing these three packages should fetch everything you need for building packages:

```
sudo apt install devscripts build-essential git
```

Next step is to download the code for the PerfSonar tests and tools we want to build. The code is available on GitHub, and for now on my private repository.

```
git clone https://github.com/krihal/pscheduler.git
```

Now we can change directories and build the packages:

```
cd pscheduler/
```

```
cd pscheduler-tool-wpa/
```

```
dpkg-buildpackage -us -uc -b
```

```
cd ../pscheduler-test-dot1x/
```

```
dpkg-buildpackage -us -uc -b
```

```
cd ..
```

That should produce two packages:

- pscheduler-test-dot1x_0.0.1-1_all.deb
- pscheduler-tool-wpa_0.0.1-1_all.deb

We can now install them:

```
sudo dpkg -i pscheduler-test-dot1x_0.0.1-1_all.deb
```

```
sudo dpkg -i pscheduler-tool-wpa_0.0.1-1_all.deb
```