

# Building from source with pkgsrc.<#>

## Before you start<#>

- QNX support for 'pkgsrc' is currently for self hosted machines only. Please see the QNX [site](#) for download information.
- Make sure you have an internet connection. 'pkgsrc' will download distributions from applicable sites.

## Bootstrapping under 6.3.2<#>

Bootstrapping under 6.3.2 is more involved. See the [bootstrapping under 6.3.2 page](#) for detailed instructions.

## Bootstrapping under 6.[45].X<#>

### Set up your environment<#>

- Add /usr/pkg/bin:/usr/pkg/sbin to your PATH
- Add /usr/pkg/lib to your CS\_LIBPATH
  - I have the following in my /etc/rc.d/rc.local  
setconf CS\_LIBPATH \$(getconf CS\_LIBPATH):/usr/pkg/lib

### Bootstrap<#>

- Download pkgsrc with QNX diffs. Familiarize yourself with the [repository layout](#):
  - The real work WRT QNX support is done under pkgsrc/HEAD\_6XX branch where 'XX' should correspond to your current version of QNX.
  - The vendor branch contains snapshots of the unmodified NetBSD tree. These are useful for diffs and merges to the entire HEAD\_6XX branch but otherwise aren't that interesting.
- Note: this is a subversion repository. If you've registered with the Foundry27 site, the above link should present a sample checkout command. For example, to check out the entire repository:

```
# svn checkout --username <username> http://community.qnx.com/svn/repos/pkgsrc
```

- However, each branch is fairly large. To check out only the HEAD\_650 branch with QNX diffs:

```
# svn checkout --username <username> http://community.qnx.com/svn/repos/pkgsrc/HEAD_650
```

- Once that's done you should be ready to bootstrap:

```
# (cd pkgsrc/bootstrap && ./bootstrap)
```

### Try your first package<#>

```
# (cd pkgsrc/misc/figlet && bmake install)
```

```
# pkg_info
```