

## Host Installation#

- Install QNX6.6 on host.
- Install PSP 660-3851-RS5495 on host for missing headers.

## Target side#

- install [PkgsrcOnQnx6.6/p4.tar.gz](http://community.qnx.com/svn/repos/pkgsrc/HEAD_660/pkgsrc) and add it to your PATH

```
# cd $HOME
# tar -xvzf p4.tar.gz
# export PATH=${PATH}:${HOME}/bin/pkgsrc
```

- Edit bin/pkgsrc/doit and set your CPU, HOST and QNXINSTALL vars where QNXINSTALL is where qnx6.6 is installed on the host.
- NFS mount pkgsrc tree and /usr/pkg from host at same point on target
  - My \$HOME is the same on host / target
  - I have [http://community.qnx.com/svn/repos/pkgsrc/HEAD\\_660/pkgsrc](http://community.qnx.com/svn/repos/pkgsrc/HEAD_660/pkgsrc) checked out under \$HOME/pkgsrc on host.
  - Note: /usr/pkg may be able to be copied to target after initial bootstrap instead of mounting it from host. Needs more testing.

```
# fs-nfs3 <host_ip>:$HOME/pkgsrc $HOME/pkgsrc <host_ip>:/usr/pkg /usr/pkg
```

- Set up ssh-agent so you can ssh in to host without passwd
  - hint: make sure host can do a reverse DNS lookup of target to make this as fast as possible.

```
# eval $(ssh-agent)
# ssh-add
```

- Some of the pkgsrc checks for builtin functionality look for headers under /usr/include. You can either:
  - Copy or nfs mount \${QNX\_TARGET}/usr/include from the host to /usr/include on the target.
  - Add the following lines to \$PREFIX/etc/mk.conf on the target after having bootstrapped pkgsrc where PREFIX is as specified to the bootstrap command (default /usr/pkg).
    - Note there may be other such overrides needed; they'll be added as they're discovered.

```
USE_BUILTIN.dl=yes
USE_BUILTIN.pthread=yes
```

- Try some stuff

```
# cd pkgsrc/bootstrap
# ./bootstrap
```

## Misc notes#

- mail/mutt needs to know where to spool mail

```
# mkdir /var/spool
# mkdir -m 0777 /var/spool/mail
# chmod +t /var/spool/mail
```