Discussion Session 05

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October 29, 2018

Previously

QEMU
- ▶ Download (git clone)
- ▶ Configure
- ▶ Compile
- ▶ Install
- ▶ Modify $PATH

Xv6
- ▶ Download (git clone)
- ▶ Compile

```
make qemu-nox
```

- ▶ What are we doing? telling the tool `make` to read the `Makefile` script and run the target `quemu-nox`
- ▶ Possible error: qemu is not in the path.
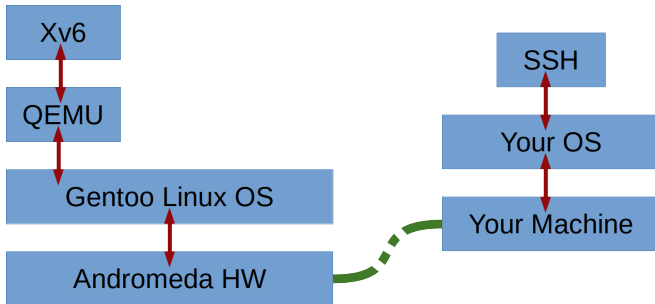
Figure: `make qemu-nox`

```
make qemu-nox-gdb
```

- ▶ What are we doing? telling the tool `make` to read the `Makefile` script and run the target `quemu-nox-gdb`
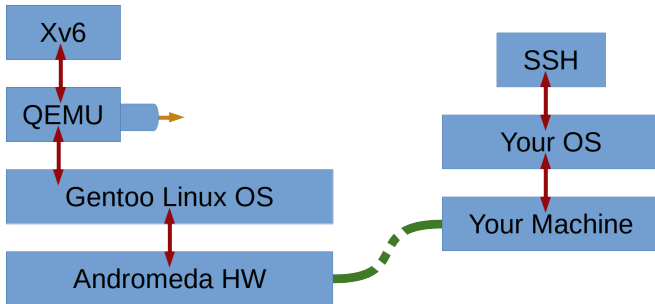- ▶ Possible error: qemu is not in the path.

Figure: `make qemu-nox-gdb`

<center>gdb</center>

- From the folder where you compiled Xv6, we simply run `gdb`. It should notice the connection that qemu has.
- Possible error:

```
warning: File "/home/.../xv6/.gdbinit" auto-loading has
been declined by your 'auto-load safe-path' set to
"\$debugdir:\$datadir/auto-load".

To enable execution of this file add
        add-auto-load-safe-path /home/.../xv6/.gdbinit
line to your configuration file "/home/user/.gdbinit".

To completely disable this security...
```
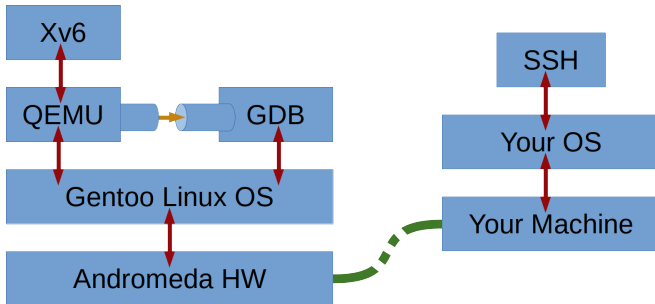
Figure: gdb