

Slackware System

Useful system level notes.

Listing Packages

Run ls -l output on /var/log/packages

```
# ls -l /var/log/packages
```

Building Custom Kernel

- run shell script ([getlinux](#))
- select version, download source
- extract at /usr/src/ (e.g. linux-4.4.199)
- copy a config from /boot

```
# cp /boot/config-generic? > .config
```

- use that config

```
# make oldconfig
```

- configure build

```
# make menuconfig
```

- build the kernel

```
# make -j4 bzImage
```

- build/install modules

```
# make -j4 modules && make modules_install
```

- modules_install requires root, obviously!
- copy (as root) kernel

```
cp arch/x86/boot/bzImage /boot/vmlinuz-generic-4.14.12
cp System.map /boot/System.map-generic-4.14.12
cp .config /boot/config-generic-4.14.12
```

- generate initrd if using generic

```
mkinitrd -c -k 4.14.12 -f ext4 -r /dev/sda3 -m ext4 -u -o
/boot/initrd.gz
```

- a useful initrd generator script IS available

- run `/usr/share/mkinitrd/mkinitrd_command_generator.sh`
- then run the generated/recommended command
- checkout the `-P` option if required

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