

Slackware System

Useful system level notes.

Listing Packages

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

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

Find package files for installed packages

```
for pkg in $(ls /var/log/packages/); do
    pkg_file=$(find /home/share/slackware/slackware64-14.2/ -name
"${pkg}.txz");
    [ -f "$pkg_file" ] && continue;
    echo "** Cannot find file for $pkg";
done
```

Find installation log for standard packages

```
for pkg in $(find /home/share/slackware/slackware64-14.2/slackware64 -name
"*.txz" | sort); do
    base=$(basename $pkg);
    name=${base%.*};
    test="/var/log/packages/$name";
    [ -f "$test" ] && continue;
    echo "Cannot find file for $test";
done
```

To list currently installed packages (to be used in my1live)

- get all installed packages

```
# slackview file --name pkgs.txt --installed --insert
```

- sort based on software sets

```
# slackview file --name pkgs.txt --sort
```

- remove those already selected for my1live

```
slackview file --name pkgs.txt --dups curr.list
```

- rename pkgs.txt to my1live list (e.g. XXmore.list)

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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