

1. What is Linux

a) history

- Unix
- FSF/GPL/GNU
- Linus/Linux

b) Architecture

- Core principles of Unix/Linux
 - small single purpose programs
 - simple output/accept broad input
 - everything is a file
 - configuration in ASCII
 - single rooted file system
- Overall Layers
 - hardware
 - kernel
 - shell
 - user land tools

2. What are Distributions?

a) History

b) reasons to use a distribution?

- Ease of administration
- software availability/ease of install

3. How does Linux work? Or “How to not be afraid of the CLI.”

a) processes

- STDIN
- STDOUT
- STDERR

b) redirecting channels/piping

c) commands

- options(switches)
- arguments

d) globbing/wildcards

e) variables/quoting

f) nesting

4. Changing Configurations

a) ASCII

b) vim

- why learn vi/vim?

c) Emacs

5. Becoming a guru

a) screen

b) shell scripting

c) regular expressions

d) text tools

e) sed

f) awk

g) perl

h) grep

i) cut

j) paste

k) sort

6. How to get help

a) RTFM

b) --help

c) /usr/share/doc

d) JFGI

e) mailing lists

f) IRC

g) Users Groups

h) scratch your own itch