Filename: comptia-linuxxk0004-5-2-1-working_with_files
Show Name: CompTIA Linux+ (XK0-004)
Topic: Managing Files and Directories
Episode Name: Working with Files
Description: In this episode, Zach and Don demonstrate a number of methods for listing files and viewing their contents. They show how to use ls, cat, more, less, head and tail to display files. They wrap up by showing how to modify the directory structure to organize your files.

Working with Files

[?] How do we perform simple operations like viewing a list of files?

- `ls`

    - `-l` List view
    - `-a` Display all files, including hidden
    - `-h` Display human friendly file sizes

Color	Description
Default color	Normal/text file
Blue	Directory
Sky blue	Symbolic link or audio file
Green	Executable file
Yellow on Black	Device
Pink	Image file
Red	Archive file
Red on Black	Broken link

[?] How do we view the contents of a file?

- `cat`

    - Displays file contents to stdout
    - Not paginated
    - `sudo cat /var/log/messages`

- `more`

    - Same as cat, but paginated

- `less`

    - Same as more, but allows bidirectional scrolling

[?] What if we only want to see the top or bottom of the file?

- `head`

    - Displays first 10 lines
    - `sudo head /var/log/messages`
    - `sudo head -n 5 /var/log/messages`

- `tail`

    - Displays last 10 lines
    - `sudo tail /var/log/messages`
    - `sudo tail -n 5 /var/log/messages`
    - `sudo tail -f /var/log/messages`

[?] How would we go about moving a file to a different location?

- `touch`
- `cp`

- `cp -R ~/myfiles /opt/myfiles`

- `mv`

  - `mv ~/file1 /opt/mylist`

- `rm`

  - `rm -R ~/myfiles`

[?] Are directories handled the same way as files?

- `mkdir`
- `rmdir`