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Show Name: CompTIA Linux+ (XK0-004)

Topic: Managing Users and Groups

Episode Name: Managing Groups

Description: In this episode, Zach and Don continue exploring how to configure a Linux system for shared access between users. This time, they demonstrate how to organize user accounts with groups. These groups can then be used to assign permissions in bulk saving considerable time.

Managing Groups

[?] What command do we use to create groups?

- `groupadd <groupname>`
- `/etc/group`

[?] Are we able to modify the group once it is created?

- `groupdel <groupname>`
- `groupmod <groupname>`
 - `-n` Rename group
 - `groupmod -n <new_name> <old_name>`

[?] How do we put user accounts into the groups?

- `gpasswd`
 - Add a user
 - `gpasswd -a <user> <group>`
 - Remove a user
 - `gpasswd -d <user> <group>`
 - Add a group admin
 - `gpasswd -A <user> <group>`

[?] Are secondary group permissions applied automatically?

- Users perform all actions under their primary group by default
- `newgrp <groupname>` temporarily changes that context
- `chgrp/chown` can also be used
- `groups <username>` to see group membership

[?] Are there any other ways to verify a group's configuration?

- Getting information
 - `getent passwd <user>`
 - `getent shadow <user>`
 - `getent group <group>`
 - `groups <user>`