Processes and Job Control

What You Will Learn

- List running processes.
- Foreground vs background processes.
- Launch background processes.
- Kill processes.

Listing Processes and Information

ps **Display process status.**

ps Options

e Everything, all processes.
f Full format listing.
u username Display username's processes.
p pid Display information for PID.

Common ps Commands

- ps -e
- ps -ef
- ps -eH
- ps -e --forest
- ps -u username
- Display all processes. Display all processes, full. Display a process tree. Display a process tree. Display user's processes.

Other ways to view processes

pstreeDisplay processes in a tree format.topInteractive process viewer.htopInteractive process viewer.

Background and Foreground Processes

- command & Start command in background.
- Ctrl-c Kill the foreground process.
- Ctrl-z Suspend the foreground process.

Background and Foreground Processes

Background a suspended bg [%num] process. Foreground a background fq [%num] process. Kill a process by job number ki]] or PID. List jobs. jobs [%num] LinuxTrainingAcademv.com

Killing Processes

Ctrl-cKills the foreground proc.kill [-sig] pidSend a signal to a process.kill -1Display a list of signals.

kill 123 kill -15 123 kill -TERM 123 kill -9 123 LinuxTrainingAcademy.com

Summary

- ps
- Ctrl-c
- Ctrl-Z
- bg
- fg
- jobs
- kill