

Linux for DevOps - Day 3 Notes

Process Management Commands

- ps - Show running processes (e.g., ps aux)
- top - Live system monitoring
- htop - Enhanced top interface (if installed)
- kill - Kill a process using PID (e.g., kill 1234)
- killall - Kill process by name (e.g., killall firefox)
- jobs - Show background jobs
- fg - Bring job to foreground
- bg - Send job to background
- nice - Start a process with given priority (e.g., nice -n 10 sleep 1000)
- renice - Change priority of a running process (e.g., renice -n 5 -p 1234)

Package Management

For CentOS/RHEL (YUM/DNF):

- sudo yum install <package>
- sudo yum remove <package>
- sudo yum update

For Ubuntu/Debian (APT):

- sudo apt update
- sudo apt upgrade
- sudo apt install <package>

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- `sudo apt remove <package>`

Mini Practice

1. Run `top` and observe processes.
2. Execute `sleep 1000 &` and manage it with `jobs`, `fg`, `bg`.
3. Kill the sleep process using PID from `ps aux`.
4. Install `wget` using your system's package manager.
5. Remove `wget` using the respective remove command.