

## Linux Ubuntu/Kali Based Commands

### Shows current directory:

- pwd

### Change password:

- passwd
- sudo passwd username (-l after passwd to lock)

### Users:

- useradd
- su
- userdel -r userName (-r removes home directory)

### Navigating files:

- ls -l
- **ls -al (hidden files)**
- cat /var/log/auth.log (user activity)
- less ^ (shows just the end of the file)
- sudo !! (sudo w/ previous command)
- tail fileName (-n 4 for number of lines to be printed)
- **sudo tail -f /var/log/auth.log (real-time logs)**

### Using alias:

- alias lumos="ls -l" (setting up alias)
- alias (view all aliases)
- alias c='clear' (just type c for clear now)
- unalias <name> (remove alias)
- **unalias -a (removes all aliases)**

### Firewall:

- sudo ufw enable
- sudo ufw disable
- sudo ufw status (add 'verbose' for more information)
- sudo ufw allow <PORT> (can use http, tcp, etc.)
- sudo ufw deny <PORT>
- sudo ufw app list (see available applications)
  
- apt-cache pkgnames (view all installed packages)

### Networking and Security:

- netstat -antp (-tulpn)
- sudo kill <process ID>
- sudo service --status-all (all services)

### SSH commands:

- nano /etc/ssh/sshd\_config
- ssh-keygen (create new key pair)
- nano /etc/selinux/config SELINUX=enforcing
- Shows previous commands:

- history

**Delete files:**

- shred (-u for delete right away) fileName

**System information:**

- neofetch
- top (details on active processes)

**Fedora/Red Hat systems****Firewall:**

- sudo firewall-cmd --state
- sudo dnf install firewalld (install the firewall)
- sudo systemctl unmask firewalld
- sudo systemctl start firewalld
- sudo systemctl enable firewalld (start the firewall)
- sudo systemctl stop firewalld
- firewall-cmd --list-ports (show allowed ports)
- sudo firewall-cmd --add-port=port-number/port-type (allow a port)
- sudo firewall-cmd --remove-port=port-number/port-type (remove a port)

**Installing/removing:**

- dnf install <packageName>
- dnf remove <packageName>

**Security:**

- cat /etc/passwd (View all users)
- df -h (show mounted file systems)
- cat /var/log/syslog (show system logs)