

TOPIC : LINUX_PRACTICE

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1. File and directory management

- `ls -l` - List files with details.
- `cd /path/to/directory` - Change directory.
- `pwd` - Print working directory.
- `mkdir directory_name` - Create a new directory.
- `rm -rf directory_name` - Remove a directory and its contents.
- `cp -r source destination` - Copy directories recursively.
- `mv old_name new_name` - Move or rename a file/directory.

2. User and permission management

- `whoami` - Show current user.
- `sudo su` - Switch to the root user.
- `useradd username` - Add a new user.
- `passwd username` - Change user password.

4. Networking commands

- `ifconfig` - Show network interfaces.
- `ip a` - Show IP addresses.
- `ping google.com` - Check network connectivity.

6. Log management

- `tail -f /var/log/syslog` - Monitor system logs in real-time.
- `dmesg | less` - Show kernel logs.

7. Disk management

- `df -h` - Show disk space usage.
- `du -sh directory_name` - Show size of a directory.
- `fdisk -l` - List disk partitions.

10. Version control (Git)

- `git init` - Initialize a new Git repository.

- `git clone repo_url` - Clone a Git repository.
- `git status` - Check the status of the working directory.
- `git add .` - Stage all changes.
- `git commit -m "Commit message"` - Commit staged changes.
- `git push origin branch_name` - Push changes to a remote repository.
- `git pull origin branch_name` - Pull changes from a remote repository.