

CloudNix Linux Command Lab Guide

Lab 1: Navigating the File System

- Command: pwd - Print current directory
- Command: ls - List files in directory
- Command: cd <dir> - Change directory

Lab 2: Managing Files and Directories

- Command: mkdir <name> - Create directory
- Command: touch <file> - Create file
- Command: rm <file> - Remove file
- Command: rmdir <dir> - Remove directory

Lab 3: File Viewing and Editing

- Command: cat <file> - View file content
- Command: echo 'text' > file - Create file with content

Lab 4: System Information

- Command: whoami - Show current user
- Command: id - Display user and group IDs
- Command: uname - Display system info
- Command: date - Show system date and time

Lab 5: Permissions and Ownership

- Command: chmod +x <file> - Make file executable
- Command: ls -l - List files with permissions

Lab 6: Disk and Process Management

- Command: df -h - Show disk usage
- Command: du -h - Show directory sizes
- Command: ps - Show active processes
- Command: top - Display real-time process usage

Lab 7: Search and Networking

- Command: `grep 'text' <file>` - Search text in file
- Command: `find . -name <file>` - Find file in directory
- Command: `ping <host>` - Check network connectivity

Lab 8: Shell Utilities

- Command: `history` - Show command history
- Command: `man <cmd>` - Show command manual
- Command: `clear` - Clear the terminal