

Basic Commands

Viewing Processes

- ``ps`` - Show snapshot of current processes
- ``ps aux`` - Detailed list of all processes
- ``top`` - Real-time view of running processes
- ``htop`` - Interactive process viewer (requires installation)

Getting Process Info

- ``pidof <process>`` - Find PID of a process
- ``pgrep <name>`` - Search for processes by name
- ``ps -p <PID>`` - Info about specific process

Background and Foreground Jobs

- ``command &`` - Run command in background
- ``jobs`` - List current jobs
- ``fg %1`` - Bring job 1 to foreground
- ``bg %1`` - Resume job 1 in background

Intermediate Commands

Managing Processes

- ``kill <PID>`` - Terminate a process by PID
- ``kill -9 <PID>`` - Force kill a process
- ``killall <name>`` - Kill all processes by name
- ``xkill`` - Click to kill a windowed process

Nice and Renice

- ``nice -n <priority> command`` - Start with a given priority (-20 to 19)

`renice <priority> -p <PID>` - Change priority of running process

Advanced Commands

Monitoring System Activity

`vmstat` - Report system performance

`iostat` - CPU and I/O stats

`sar` - Collect, report system activity