## System

| | |
|---|---|
| cat /proc|/sys | Print the content of kernel memory |
| df | Display free disk space |
| dmesg | Print kernel and driver messages |
| dmidecode | Display hardware information from the BIOS |
| du | Estimate file/directory space usage |
| free/vmstat | Display memory usage |
| lshw / lspci / lsusb | Display hardware information |
| strace | Trace system calls and signals of a process |
| sync | Synchronize data on disk with memory |
| uname | Print system information |

## File

| | |
|---|---|
| cat | Print the content of a file |
| cmp | Compare two files byte by byte |
| diff | Compare files line by line |
| file | Determine file type |
| head | Output the first part of a file |
| less | Display output one screen at a time |
| more | Display output one screen at a time |
| sort | Sort text file |
| tail | Output the last part of a file |
| tee | Redirect output to multiple files |
| touch | Change file timestamp/create empty file |
| truncate | Shrink or extend the size of a file |
| which | Locate a command on $PATH (and in aliases) |

## Users

| | |
|---|---|
| getent passwd | Get user entries from NSS |
| id | Print real and effective user and group |

## Shell

| | |
|---|---|
| env | Display current user environment variables |
| false | Do nothing, unsuccessfully |
| source | Read and execute commands from filename |
| true | Do nothing, successfully |

## Search

| | |
|---|---|
| find | Search for files in a directory hierarchy |
| grep | Find pattern in a file by lines |
| locate | Find files (in locatedb generated by updatedb) |

## Network

| | |
|---|---|
| arp | Manipulate system arp cache |
| dig | DNS lookup utility |
| ip | Manipulate network interfaces settings |
| mtr | Network diagnostics |
| netstat | Print network statistics |
| ping | Send ICMP echo requests to network hosts |
| tcpdump | Dump network traffic |

## Processes

| | |
|---|---|
| kill | Send a signal to a process |
| lsof | List open files |
| pkill | Send a signal to a process by name or other attributes |
| pmap | Report memory map of a process |
| ps | Report a snapshot of a current process |
| pstree | Display the process tree |
| watch | Execute a program periodically and capture the output |