

Module 1 Cheat Sheet - Introduction to Linux

Linux terminal tips

Use **tab completion** to autocomplete pathnames and command names.

Scroll through your **command history** with the Up Arrow and Down Arrow keys to find and re-run a command you already used.

Getting information

Display the reference manual for the `ls` command:

- 1
1. `man ls`

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Browsing and navigating directories

Special paths

| Symbol | Represents path to |
|-----------------|-------------------------------------|
| <code>~</code> | home directory |
| <code>/</code> | root directory |
| <code>.</code> | present working directory |
| <code>..</code> | parent of present working directory |

List files and directories in the current directory:

- 1
1. `ls`

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List files and directories in a directory:

- 1
1. `ls path_to_directory`

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Return path to present working directory:

- 1
1. `pwd`

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Change the current directory to a subdirectory:

1. 1
1. `cd child_directory_name`

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Tip: Because `cd` looks in the current directory for `child_directory_name`, you don't need to type the entire path.

Change the current directory:

Up one level: `cd ../`

To home: `cd ~` or `cd`

To some other directory: `cd path_to_directory`

Change the current directory to another one at the same level:

Suppose you have two sibling directories within the same directory, `dir_1` and `dir_2`, and your present working directory is `dir_1`. To switch to `dir_2`, enter:

```
cd ../dir_2
```

Tip: Using `..`, you don't need to know the path to the parent directory to switch to a sibling.

Change the current directory back to the directory you were in previously:

```
cd -
```

Upgrading and installing packages

Fetch and display up-to-date information about all upgradable packages:

1. 1
1. `sudo apt update`

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Upgrade to the latest supported version of nano:

1. 1
1. `sudo apt upgrade nano`

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Install Vim:

1. 1

```
1. sudo apt install vim
```

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Creating and editing files

Create a new text file and open it with nano:

```
1. 1
```

```
1. nano file_name.txt
```

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Tip: If the file already exists, nano simply opens it for editing.

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