



FREE eBook

LEARNING terminal

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#terminal

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About

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Chapter 1: Getting started with terminal

Remarks

Terminal is the built in terminal emulator that is default on Apple computers.

Terminal grants the user access to the Command Line Interface (CLI) of macOS. Written in C and Objective C, terminal has been developed to be highly customizable. Users can chose to use a variety of different shells in terminal, and can customize terminals look and feel in `Terminal > Preferences`.

Terminal users have access to special commands that interact with the macOS API's, as well as familiar unix commands.

Examples

Installation or Setup

Terminal does not require any setup or installation and can be found by default.

Mac OS

Terminal comes default in macOS, and can be found in the Applications directory (`Applications > Utilities > Terminal.app`).

Linux (Ubuntu)

To open up your terminal press `CTRL + ALT + T`. Or search in the unity dash.

Windows

Windows 10 supports bash terminal which can be installed in the developer edition.

Read [Getting started with terminal online](https://riptutorial.com/terminal/topic/7956/getting-started-with-terminal): <https://riptutorial.com/terminal/topic/7956/getting-started-with-terminal>

Chapter 2: Terminal Customization

Introduction

This topic contains information about customizing the look, feel, and functionality of Terminal. Terminal is easy to customize. Most terminal customization is available through both Terminal > Preferences graphically, and by using terminal commands. The terminal preferences window contains 4 tabs, which are explained below.

Examples

Terminal Customization Tabs

Found under `Terminal > Preferences`

General

In the general tab, you can chose which profile is opened when you start terminal. You can set "Shells open with" to chose which directory terminal opens to, or specify a command to run each time you open a new terminal window or tab.

Profiles

The profiles tab allows you to customize the look and feel of your terminal. It comes with a bunch of pre set themes, each of which can be customized further to your liking. Profiles includes sub tabs for changing settings like Text, Window, Tab, Shell, Keyboard, and Advanced.

Window Groups

Window groups are configurable layouts that are used to organized multiple terminal windows. To set a window group, use `Window > Save Windows as Group`. This will allow you to save your current terminal layout as a "Window Group".

Encodings

In the encodings tab, you can select which encodings you want to show up when choosing options in the text encoding menus. For most users, the default is fine here.

Read Terminal Customization online: <https://riptutorial.com/terminal/topic/8072/terminal-customization>

Chapter 3: Terminal Navigation

Introduction

This topic contains information about navigating throughout the filesystem using the terminal.

Examples

Basic Navigation Commands

Change Directory

Navigate to a directory

```
cd [directory]
```

Example: Changing to the `projects` directory

```
username$ cd projects
```

Navigate to the root directory (regardless of working directory)

```
cd /
```

Navigate to the parent directory (the directory containing the working directory)

```
cd ..
```

Navigate to the home directory

```
cd ~
```

Print Working Directory

Prints the path of the directory that you are working in

```
pwd
```

Example: Printing the working directory while in the `projects` folder

```
username$ pwd
/Users/username/projects
```

List

List the files that are in the current working directory

```
ls
```

Example: Listing the files in the `projects` directory

```
username$ ls
PythonProject
JavaProject
screenshot.png
index.html
paper.pdf
```

Files are listed with their file extension, directories are listed with no extension.

Use `ls -l` to get more information about files (size, timestamp, owner)

Read Terminal Navigation online: <https://riptutorial.com/terminal/topic/8066/terminal-navigation>

Credits

S. No	Chapters	Contributors
1	Getting started with terminal	Community , MichaelMMeski , tehp
2	Terminal Customization	tehp
3	Terminal Navigation	tehp