

1.5.4 macOS Facts

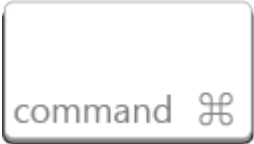

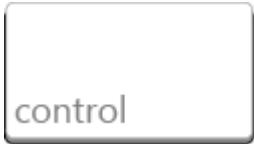

Mac OS is a proprietary closed-source operating system. Mac OS uses the HFS Plus (HFS+) file system. HFS stands for Hierarchical File System and is the primary file system used by Mac OS.

Apple devices have several features that are unique to the Mac OS. The following table describes some of these features.

Feature	Description
Gestures	<p>Gestures are specific finger motions that are used to perform a specific function on a Mac OS system. They are used by Apple systems that use an Apple Multi-Touch trackpad, a Magic Mouse, or a touchscreen. Below are just some of the gestures that are available on Mac OS:</p> <ul style="list-style-type: none"> ▪ Right-click: Tap with two fingers to right-click. ▪ Smart zoom: Double-tap with two fingers to zoom in on a web page, image, or document (double-tap again to zoom out). ▪ Scroll: Slide up or down using two fingers to scroll up or down. ▪ Zoom: Spread two fingers apart to zoom in. Bring fingers back together to zoom out. ▪ Page navigation: Slide two fingers left or right to navigate between pages in a document. ▪ Mission Control: Slide four fingers straight up to open Mission Control. ▪ All apps: Slide four fingers straight down to display all windows of the active app.
Remote Disc	<p>Because many modern Apple devices are being manufactured without a CD or DVD installed, Mac OS offers the Remote Disc feature. With Remote Disc:</p> <ul style="list-style-type: none"> ▪ The CD or DVD can be shared on the network. ▪ Devices on the same network can access the shared remote CD or DVD. ▪ Only data CDs and DVDs can be accessed. Media discs such as audio CDs, Blu-ray and DVD movies, or installation discs cannot be accessed remotely.
Boot Camp	<p>Boot Camp is a Mac OS feature that allows an Apple device to install the Microsoft Windows OS. Boot Camp makes installing Windows a very simple process by using the Boot Camp Assistant app. The Boot Camp Assistant:</p> <ul style="list-style-type: none"> ▪ Automatically creates a BOOTCAMP partition on the hard drive and prepares it for installing Windows. ▪ Reboots the system and starts the Windows install process from the selected installation media. ▪ Creates a Boot Camp system tray icon in both Mac OS and the Windows installation to switch between the Windows and Mac OS installation. <p>Boot Camp has the following system requirements:</p> <ul style="list-style-type: none"> ▪ Intel-based Mac ▪ Installation media containing 64-bit version of Windows 8 or later ▪ 55 GB of free space
System Preferences	<p>System Preferences is the utility used to change settings for nearly every aspect of Mac OS.</p> <ul style="list-style-type: none"> ▪ Settings are grouped by category and can be accessed by selecting the category icon. ▪ Each category has multiple tabs or dialogs that are used to change different system settings.

	<ul style="list-style-type: none"> ▪ The search box can be used to search for the location of a specific setting.
Mission Control	<p>Mission Control is a desktop and windows management utility used to access several Mac OS features.</p> <ul style="list-style-type: none"> ▪ Multiple Desktops - At the top of Mission Control is the Multiple Desktops feature that is used to manage and navigate between multiple desktops. ▪ All Windows - When activated, Mission Control tiles all application windows on the screen and groups multiple windows from the same application together. ▪ Dashboard - From Mission Control, the Dashboard containing Mac OS widgets can be accessed.
Keychain	<p>Keychain is Mac OS's password management utility. Keychain can hold password-protected data for the following categories:</p> <ul style="list-style-type: none"> ▪ Passwords (including passwords for websites, system logins, wireless networks, encrypted disks) ▪ Private keys ▪ Certificates ▪ Secure notes <p>In order to access information contained in Keychain, the system administrator password must be provided.</p>
Spotlight	<p>Spotlight is an indexing utility that can perform system-wide searches to locate folders, files, apps, and internet results that contain the specified search phrase. Spotlight is accessed by pressing Command(⌘)+Spacebar or by selecting the Spotlight icon on the Status menu.</p>
Dock	<p>The Dock is the main taskbar in Mac OS. The Dock is used to launch apps, switch between running apps, access the Trash, and access specific folders.</p> <ul style="list-style-type: none"> ▪ Dock settings can be accessed in System Preferences or by right-clicking the Dock and selecting Dock Preferences. ▪ Apps and folders can be pinned to the Dock for quick access. ▪ Running apps on the Dock have an illuminated dot below them.
Force Quit	<p>Force Quit is used to stop non-responsive processes and applications. It can also be used to restart the Finder service. Force Quit can be accessed from the Apple menu or the keyboard shortcut Command+Option+Esc.</p>
Terminal	<p>Terminal is Mac OS's command line interface utility. It is similar to the terminal used in Linux systems. Terminal:</p> <ul style="list-style-type: none"> ▪ Uses many of the same commands as the Linux terminal. ▪ Can be used to perform system management tasks, such as deleting files, changing permissions, etc. ▪ Is an excellent troubleshooting tool.

Mac OS uses special keyboard keys that are specific to Apple systems. The following table describes the function of each of these keys:

Key	Description
	<p>The Command (⌘) key is the primary modifier key on Apple systems. For example, Command+C copies the selected item to the clipboard, and Command+V pastes the contents of the Clipboard.</p> <p>When used in a Boot Camp Windows installation, the Command key serves the same function as the Windows key.</p>
	<p>The Option (⌥) key is used for application shortcuts and navigation shortcuts. For example, Option+Right/Left Arrow navigates between words in a text document.</p> <p>When used in a Boot Camp Windows installation, the Option key serves the same function as the Alt key.</p>
	<p>The Control (⌞) key is primarily used for text document navigation. For example, Control+H deletes the character to the left of the cursor. The Control key can also be used in conjunction with other keys to perform system tasks. For example, Command+Control+Power button forces the Mac OS to restart.</p> <p>When used in a Boot Camp Windows installation, the Control key serves the same function as the Ctrl key.</p>
	<p>The Fn key is typically only found on Apple notebooks and is used to access the F1–F12 keys on the keyboard. It can also be used to access the special icon function on particular keys.</p>

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