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## OS X 10.11 El Capitan

for Users, Administrators, and Developers

### Preface

My initial foray into Apple products began in 2005 when I got my first Apple product, my green first-generation iPod Mini. Over the next couple of years I upgraded my iPods to include the 5th Generation iPod with Video and 2nd Generation iPod Nano, which I had to replace no less than OS X 10.11 El Capitan for Users, Administrators and Developers two times.

While the Mac itself has become a secondary, or tertiary, business for Apple, well eclipsed by the iPhone, the Mac has remained one of the OS X 10.11 El Capitan for Users, Administrators and Developers pillars of Apple's business. When Steve Jobs unveiled the, the new, iMac in 1997, it was the beginning of the second era of Apple. As time progressed, the Mac became a product that no longer was the primary income generator, that was taken over by the iPhone. Even this this, the Mac has remained a lucrative business that many companies would be, and are, envious to have. In the third quarter of 2015, Apple sold almost 4.8 million Macs, which is up 9 percent over OS X 10.11 El Capitan for Users, Administrators and Developers the same quarter in 2014. So Apple is still selling a good number of Macs every quarter.

The way the Mac looks has changed over the years, and while the functionality has evolved, OS X has been one Apple's longest standing products. OS X 10.11 El Capitan brings some

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additional features that all users will enjoy.

As I stated in OS X 10.11 El Capitan for Users, Administrators and Developers my iOS 9 for Users and Developers book, I am not going to cover absolutely every aspect to OS X 10.11 El Capitan. There are things that will be left out. This is not due to my desire to not cover them, quite the opposite. I do not want to give a short shrift to any aspect of OS X, so here will be updates to the OS X 10.11 El Capitan for Users, Administrators and Developers book as new features come out.

If there is a topic that has not yet been OS X 10.11 El Capitan for Users, Administrators and Developers covered, but would like to see it covered, send an email to [books@waynedixon.com](mailto:books@waynedixon.com) and I will add it to the list of topics to be covered in a future version. As always, let me know of any errors that may have been made, I will correct them in the next revision.

Thanks for purchasing OS X 10.11 El Capitan for Users, Administrators and Developers. I hope you enjoy the book.

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**OS X 10.11 El Capitan For Users**

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## Introduction

OS X was introduced in 2000 with the release of Mac OS X 10.0 Cheetah. Cheetah was quickly followed up with OS X 10.11 El Capitan for Users, Administrators and Developers Mac OS X 10.1 Puma a mere six months later. Over the next decade Apple brought features like Mission Control, Fast User Switching, Expose, Safari, Spotlight, Dashboard, Smart Folders, Spaces, and Time Machine. With each subsequent update to OS X, Apple brought refinements and new features for all users. In June 2011, Apple went from a roughly every eighteen months to two year cycle, to a yearly cycle. This back with Mac OS X 10.7 Lion. OS X 10.11 El Capitan for Users, Administrators and Developers The yearly upgrade cycle has continued four years later with the release of OS X 10.11 El Capitan.

There have been many changes to OS X over the years. On the software side, this included introduction and eventual removal of a brushed metal interface, and the transition to the “flat” design aesthetic introduced last year with OS X 10.10 Yosemite. On the hardware side, one of the biggest shifts occurred between 2006 and 2007 with the transition from PowerPC-based Macs to Intel-based Macs. The entire transition took less than eighteen months to complete. This was a major feat and Apple expected this transition to take OS X 10.11 El Capitan for Users, Administrators and Developers longer. But it did not.

OS X 10.11 El Capitan builds on the foundations of OS OS X 10.11 El Capitan for Users, Administrators and Developers X 10.10 Yosemite and brings some new advancements in the areas of Safari, security, graphics programming, window management, and refinements to many of the built-in applications like Notes, Maps, and Spotlight.

OS X 10.11 El Capitan is not chock full of hundreds of new features, but the ones that it brings are ones that will benefit many users. There are definitely some advancements for administrators as well as developers. Let us look at whether your current Mac can run OS X 10.11 El Capitan.

## Requirements

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One of the major benefits of Apple's operating systems since the transition to Intel-based processors is that it allowed Apple to remove old and legacy code that was no longer needed. Mac OS X 10.5 Leopard was OS X 10.11 El Capitan for Users, Administrators and Developers the last version to support Power-PC chips. In terms of architecture, OS X 10.8 Mountain Lion required a 64-bit processor and chipset in order to be able to run the operating system.

With the new base being 64-bit computers, There is a wide range of Macs that OS X 10.11 El Capitan for Users, Administrators and Developers can, and have been able, to run Apple's latest operating system. The quick answer is, if your Mac is running OS X 10.10 Yosemite. you will be able to run OS X 10.11 El Capitan. The official list of supported Macs is:

- iMac: Mid 2007 or newer
- MacBook: Aluminum Late 2008; Early 2009 or newer
- MacBook Air: Late 2008 or newer
- MacBook Pro: 13-inch, Mid 2009 or newer; 15-inch, Mid/Late 2007 or newer; 17-inch, Late 2007 or newer
- Mac Mini: Early 2009 or newer
- Mac Pro: Early 2008 or newer
- Xserve: Early 2009

These are the same requirements as OS X 10.10 Yosemite. It appears that Apple's aim, much like with iOS, is to allow as many Macs as possible to run the latest version. With the focus for OS X 10.11 El Capitan being on improvements, there will eventually come a time when the older machines on the list will no longer be able to run a version of OS X, but so far this has not been the case.

## **Naming**

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In 2013, at its World Wide Developer Conference, Apple announced that they would no longer be using OS X 10.11 El Capitan for Users, Administrators and Developers the “Big Cats” names that they had been using for the previous nine releases. Instead, they would be moving to names that reflect where OS X is created, California. At the time Craig Federighi joked that they came up with some places in California, like “Weed”. Ultimately, they decided on Mavericks as the name for OS X 10.9.

Last year, in 2014, Apple decided on one OS X 10.11 El Capitan for Users, Administrators and Developers of the most iconic places in California, Yosemite. Yosemite is one of the California’s most notable National Parks. The name chosen for OS X 10.11 is El Capitan. El Capitan is a vertical rock formation that resides within Yosemite National Park.

The naming pattern of using an OS X 10.11 El Capitan for Users, Administrators and Developers slight modification of a base name is not new for Apple. It began with Mac OS X 10.11 El Capitan for Users, Administrators and Developers OS X 10.5 Leopard and Mac OS X 10.6 Snow Leopard. It continued with Mac OS X 10.7 Lion and OS X 10.8 Mountain Lion. It skipped OS X 10.9, but now OS X 10.10 Yosemite and OS X 10.11 El Capitan are now following the same naming convention.

Each of the names were hinting that each of the secondary updates was an improvement or slight differences from the previous version. This was definitely the case with when going from Mac OS X 10.5 Leopard to Mac OS X 10.6 Snow Leopard. Apple even said as much at the OS X 10.11 El Capitan for Users, Administrators and Developers unveiling of Snow Leopard.

With each of these updates, there are some improvements that come over the previous versions. This pattern continues with OS X 10.11 El Capitan. The first update is Window Management.

## **Window Management**

There are aspects to every operating system that you use, but may not be aware of. One of these aspects is likely Window Management. The primary interface to Window Management in OS X is the Finder.

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The Finder is how a user generally interacts with OS X. It is used for creating folders, file management, handling USB thumb drives, and accessing iCloud files. One of the things that you do not often realize Finder is used for, is managing applications.

In Mac OS X 10.7 Lion, Apple introduced a new option for applications called Full Screen. Full Screen is one of the features that was brought over from iOS. From its initial release iOS was designed to run applications full screen. While this has changed with iOS 9, it is still possible to do. Apple made the choice to bring Full Screen to OS X. One of the features OS X 10.11 El Capitan for Users, Administrators and Developers that Apple unveiled at its World Wide Developer Conference in June of 2015, was Split View applications on the iPad and OS X OS X 10.11 El Capitan for Users, Administrators and Developers 10.11 El Capitan.

## **Split View**

There are a couple of concepts that you need to be aware of ahead of time. There is a limit of two applications that can be used in Split View. With applications that support Full Screen, you can now run two applications side by side in a single full screen space. This is done by performing the following:

1. Determine which two applications you wish to use OS X 10.11 El Capitan for Users, Administrators and Developers in Split View mode.
2. Enter Full Screen mode on one of the applications.
3. Use Spaces to bring up all of the open spaces.
4. Locate the second application you would like to use Split OS X 10.11 El Capitan for Users, Administrators and Developers View mode with.

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## Developers

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