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OS X El Capitan: Security

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- Security Overview
- Security Settings
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- EFI Firmware Password
- Quiz
- Summary
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OS X El Capitan: Security

Introduction

Course Description

The OS X El Capitan: Security course explores the built-in security features of OS X, such as Gatekeeper, FileVault, and other settings you can customize to ensure a Mac stays safe.

This course is part of the ACMT 2016 curriculum and is used to prepare for the Mac Service Certification Exam (MAC-16A).

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OS X El Capitan: Security

Overview

Lesson Objectives

After completing this course, you should be able to:

- Identify and describe the default settings for Gatekeeper in OS X.
- Configure FileVault 2 in OS X to secure the data on a Mac.
- Configure the Firewall in OS X to secure the network connections on a Mac.
- Enable or disable Location Services in OS X.
- Describe the data privacy concerns that are presented when Location Services is enabled in OS X.
- Set up a Firmware (EFI) password on a Mac; locate and list features and techniques that are blocked when firmware password protection is enabled.
- Describe the method for recovering a lost Firmware (EFI) password.

Audience	Prerequisites	Time Required	You will need...
Service Technicians	Successful completion of the Apple Service Fundamentals exam	45 minutes	No additional materials or equipment are required

This course is designed for technicians who do not have immediate access to a Mac running OS X El Capitan. If you do have access to a Mac running OS X El Capitan, it is recommended that you use it while reviewing the course.

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Security Overview

Security features are built in to OS X.

Gatekeeper ensures malicious applications stay out of your Mac.

FileVault provides whole-drive encryption.

Keychain stores your passwords in a secure fashion.

OS X was designed with advanced technologies that work together to constantly monitor, encrypt, update — and ultimately keep your Mac safer. These protections are built into the OS, making it easy to protect your Mac.

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Security Settings

In OS X, most security settings are accessed in System Preferences. Launch System Preferences by clicking its icon on the dock, or choose "System Preferences..." from the Apple menu. On the next page, you will explore some of the configurable settings in System Preferences.
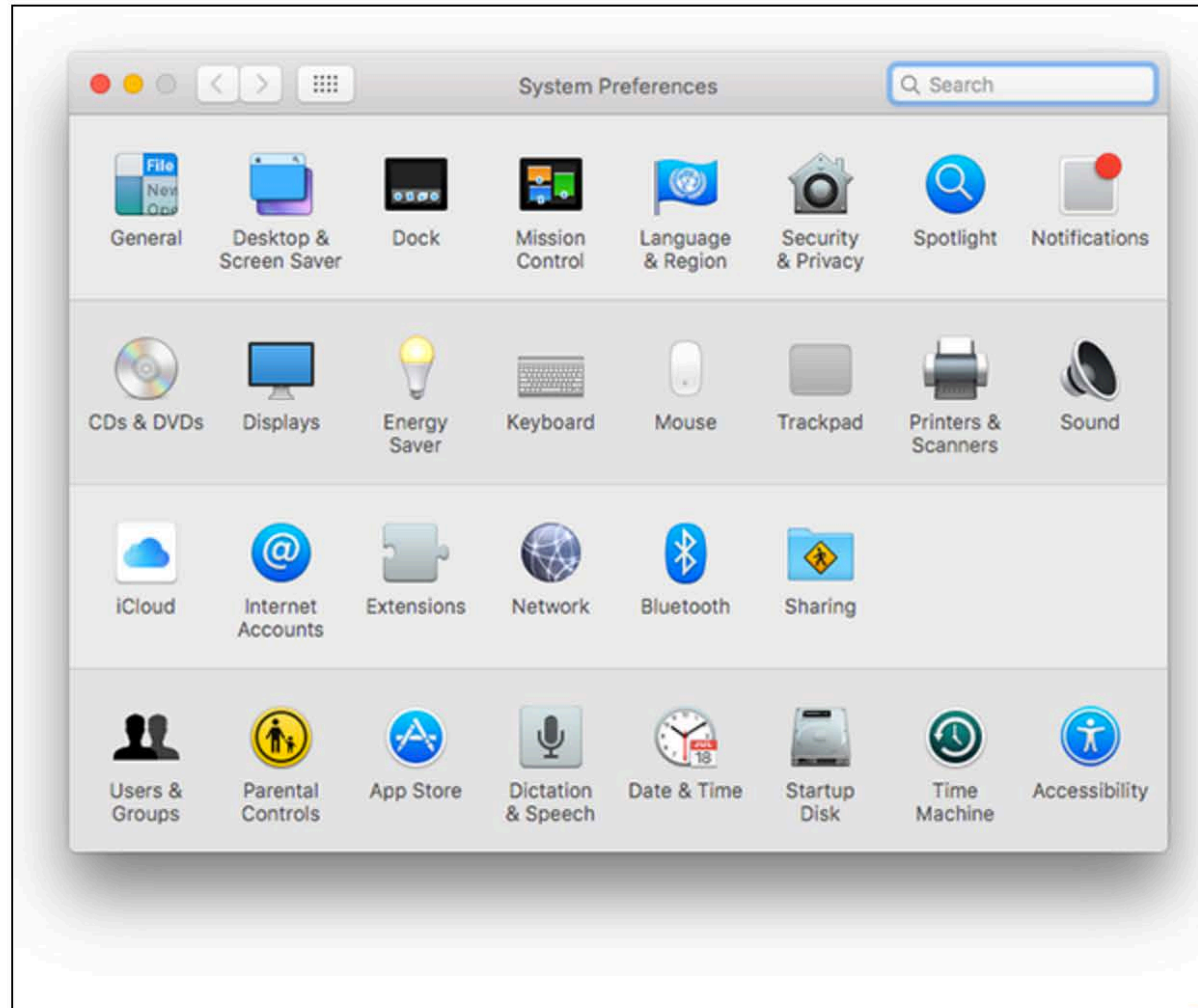
● ○

X

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Security Settings

Click Security and Privacy to begin exploring the options available.
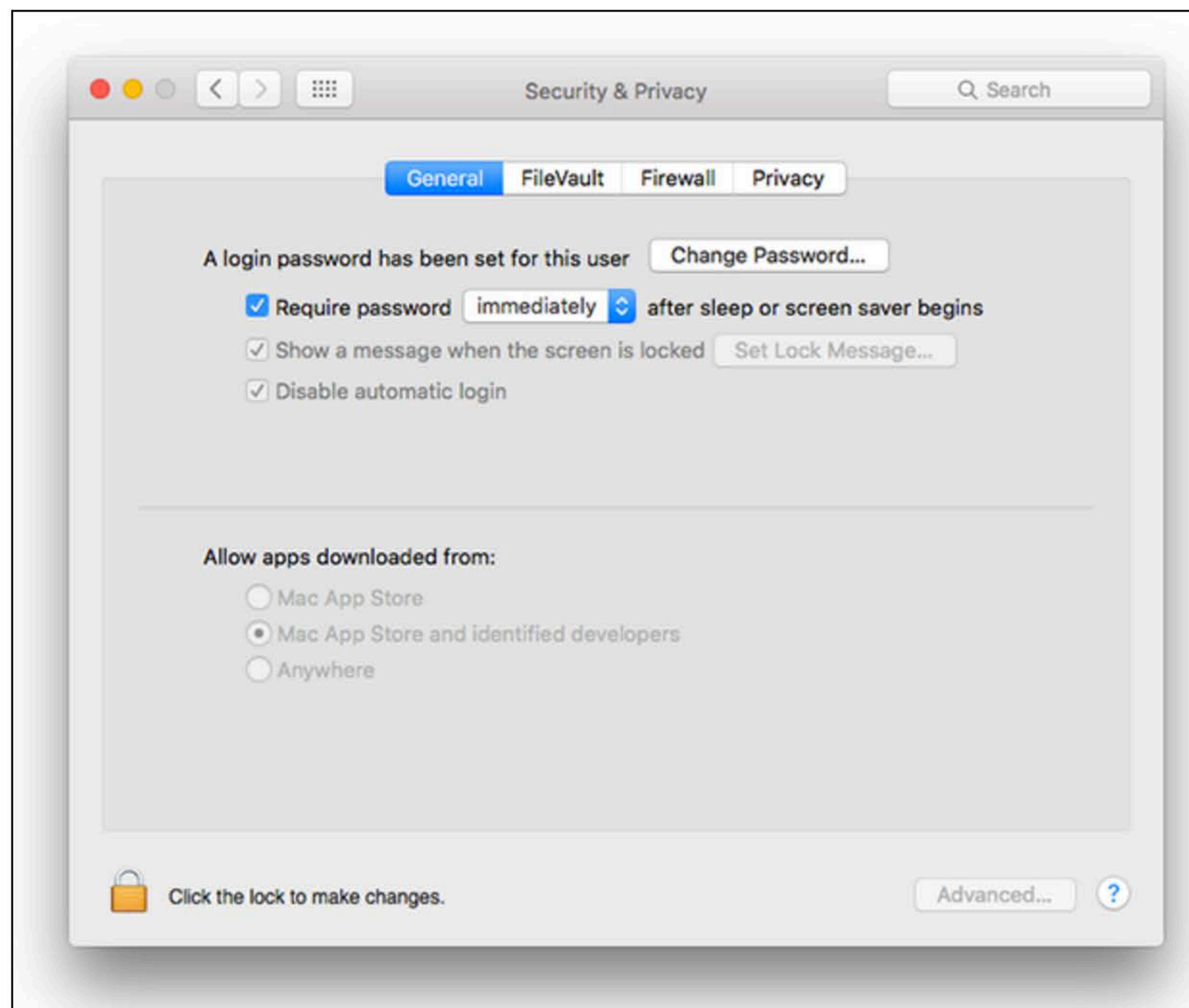
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Security Settings

In the Security and Privacy pane, you can make changes to general security settings, as well as to FileVault, the system firewall, and privacy preferences, all of which will be explored later in this course.

Only certain options can be changed without an administrator password.

Click the padlock at the bottom of the screen to authenticate.

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Gatekeeper

Gatekeeper is a feature that helps to keep applications from having an adverse effect on your Mac. For more information on Gatekeeper, review the following Apple Support article:

[HT202491: OS X: About Gatekeeper](HT202491)

Next, answer the following questions regarding Gatekeeper:

1. What does it mean when an application is signed?
2. Where can you change the settings for Gatekeeper?

Check Your Understanding

▸ Question 1
▸ Question 2

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Gatekeeper

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HT202491: OS X: About Gatekeeper

Next, answer the following questions regarding Gatekeeper:

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Check Your Understanding

▸ Question 1
▾ Question 2

Gatekeeper options are found in System Preferences > Security & Privacy > General tab under the header "Allow apps downloaded from:"

the activity.

HT204837: Use FileVault to encrypt the startup disk on your Mac

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After reviewing the support article, drag the following statements about FileVault into the correct column.

Submit

Correct   Incorrect

✓   ✓

FileVault requires a working OS X Recovery   By default, all users can unlock a FileVault-
volume on your startup disk.   encrypted drive at startup.

✓   ✓

If, after enabling FileVault, you forget your   Once enabled, you cannot turn FileVault
password and recovery key, you will not be   off.
able to access your data.

✓

A portable Mac must stay connected to AC
power to encrypt its drive.

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EFI Firmware Password

A firmware password will add an additional layer of protection to your Mac and prevent it from starting up from any device other than your designated startup disk.
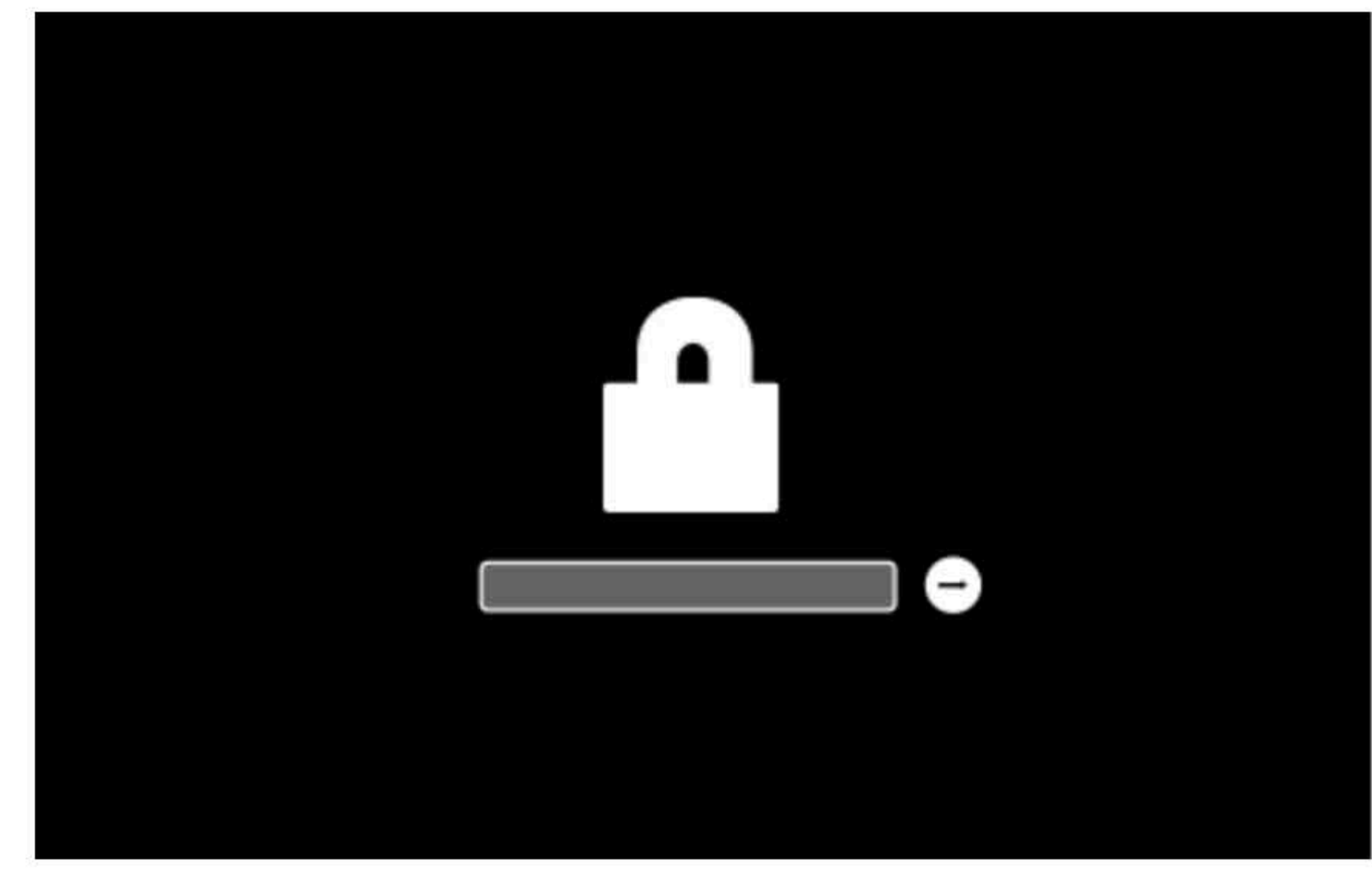
Macs with a firmware password enabled will display this screen when booting to something other than the designated startup disk.

Review Apple Support article, HT204455: Use a firmware password on your Mac.

You will be asked questions based on this content in the Quiz chapter or on the exam.

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EFI Firmware Password

To set up a firmware password on your Mac, follow these steps:

1. Shut down your Mac.
2. Start up your Mac again and immediately hold the Command and R keys after you hear the startup sound to start from OS X Recovery.
3. When the Recovery window appears, choose Firmware Password Utility from the Utilities menu.
4. In the Firmware Utility window that appears, click Turn On Firmware Password.
5. Enter a new password, then enter the same password in the Verify field.
6. Click Set Password.
7. Click Quit Firmware Utility to close the Firmware Password Utility.
8. Click the Apple menu and choose Restart or Shutdown. The next time your Mac starts up, your firmware password is active.

> ⚠️ If you forget your firmware password, you will need to schedule a service appointment with an Apple Retail Store or Apple Authorized Service Provider. Be sure to bring a proof of purchase for your Mac.

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Summary

Having completed this course, you should be able to:

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- Configure the Firewall in OS X to secure the network connections on a Mac.
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This concludes the OS X El Capitan: Security course. For other courses in the ACMT 2016 curriculum, see Apple Support article, HT205332: AppleCare Service Certifications, or search for ACMT 2016 in ATLAS.