

# SOPHOS

## Sophos SafeGuard Disk Encryption for Mac Startup guide

Product version: 5.55

Document date: August 2011



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# 1 Before you begin

## 1.1 System requirements

- **Hardware** (Intel-based 64bit CPU only)
  - MacBook
  - MacBook Pro
  - MacBook Air
  - iMac
  - Mac mini
  - Mac Pro
- **EFI**
  - EFI32 (firmware)
  - EFI64 (firmware)

With the following terminal command the EFI firmware can be verified:

```
"ioreg -l -p IODeviceTree | grep firmware-abi"
```

The return value should be "firmware-abi" = <"EFI64" >or "firmware-abi" = <"EFI32" >.

- **Operating system**
  - 10.7 (Lion) recent patch level, 32 or 64 bit kernel
- **Update of Sophos SafeGuard Disk Encryption for Mac**

As Sophos SafeGuard Disk Encryption for Mac 5.55 is the first version for Mac OS X 10.7 (Lion), an update from previous versions is not possible.

- **Update of Mac OS X to version 10.7 (Lion)**

To upgrade from MacOSX 10.6 (Snow Leopard) to 10.7 (Lion), you need to uninstall Sophos SafeGuard Disk Encryption for Mac 5.50.x first. This step includes a final decryption of the encrypted partitions.

After the successful update to Lion, you need to install Sophos SafeGuard Disk Encryption 5.55.x and encrypt the partitions again.

It is not necessary to change your exclude rules for your time machine configuration for this.

## **1.2 What you will need**

You will need the following information for installation and configuration:

- Administrator credentials of the Mac where you want to install the software.

## 2 Protecting Mac OS X computers

### 2.1 Installing Sophos SafeGuard Disk Encryption for Mac

1. Using the web address and download credentials, go to the Sophos web site and download the Sophos SafeGuard Disk Encryption installer for Mac OS X.
2. Locate the installer disk image in the folder to where it was downloaded. Open the disk image. Find Sophos SafeGuard.pkg and double-click it to start the installer.
3. Click **Continue**. Follow the steps.
4. Enter the Mac OS X administrator credentials when the installer prompts you to do so. This is necessary to allow the installer to make changes.
5. When the installer has finished, restart your Mac.
6. After the restart Sophos SafeGuard Disk Encryption is installed.
7. Power-on Authentication (POA) has not been activated yet, but only displays the "Secured by SOPHOS" logo and continues booting the operating system after about one second. The software will continue to display the "Secured by SOPHOS" logo as long as no SafeGuard user has been created. When the first user is created Power-on Authentication is activated.

Sophos SafeGuard Disk Encryption for Mac places an icon on the right-hand side of the menu bar. Clicking the icon gives you access to the Sophos SafeGuard Disk Encryption user and disk management functions.

#### 2.1.1 Uninstalling Sophos SafeGuard Disk Encryption for Mac

To uninstall Sophos SafeGuard Disk Encryption for Mac, use the uninstaller package **Sophos SafeGuard Uninstaller.pkg** in `/Library/Sophos SafeGuard`. You need to decrypt the hard drive first.

### 2.2 Configuring Sophos SafeGuard Disk Encryption

After the installation of the software you have to add SafeGuard users and specify which volumes of your Mac are to be encrypted.

### 2.2.1 Creating the first Sophos SafeGuard Disk Encryption Admin user

There must always be one Admin user. The first user created must be an Admin user. This is enforced by the user management and is the prerequisite for all administration tasks. When users are deleted it is not possible to delete the last Admin user, if more than one has been created.

1. Choose Sophos SafeGuard Disk Encryption icon and click **User Management**.
2. Enter a name for the Admin user.
3. Enter the password in the **Password** and **Confirm Password** field. Sophos SafeGuard Disk Encryption accepts only passwords with eight or more characters. Checking the **Show Password** option makes the entered password visible.
4. Click **OK**.

Now you can proceed with creating other users.

### 2.2.2 Encrypting a partition

Sophos SafeGuard Disk Encryption lets you encrypt the hard disk or partitions of your Mac. Every disk management task (encrypt/decrypt/pause/resume) requires an authentication as a SafeGuard Admin.

1. Choose Sophos SafeGuard Disk Encryption icon and click **Disk Management**.
2. Enter your SafeGuard Admin credentials and click **OK**.
3. Choose **Partitions** in the management pane. All partitions available are displayed.
4. Click **Encrypt** right beside the partition you want to encrypt.
5. Encryption of the selected partitions starts immediately. To enhance encryption speed, check the **Fast Mode** option in the lower left corner of the **Disk management** pane.

Encryption/decryption can be paused by clicking the **Pause** button on the right end of the progress bar. To resume encryption, click the **Resume** button, which is displayed when the encryption has been paused. For both actions, you must authenticate as a SafeGuard Admin.

Paused encryption/decryption tasks are resumed automatically after you restart your Mac.

For a detailed description see the Sophos SafeGuard Disk Encryption User help manual.

## 2.3 Time Machine backups

The following components of Sophos SafeGuard Disk Encryption should be excluded from Time Machine Backups:

- /.com.sophos
- /System/Library/Extensions/sgbiodrv.kext
- /usr/sbin/sgd
- /usr/bin/sgadmin
- /Library/Sophos SafeGuard
- /Library/LaunchDaemons/com.sophos.sgd.plist
- /Library/LaunchAgents/com.sophos.sguimenu.plist
- /Library/LaunchAgents/com.sophos.sgsynclang.plist
- /Applications/sgui.app

### **3 Technical support**

You can find technical support for Sophos products in any of these ways:

- Visit the SophosTalk forum at <http://community.sophos.com/> and search for other users who are experiencing the same problem.
- Visit the Sophos support knowledgebase at <http://www.sophos.com/support/>
- Download the product documentation at <http://www.sophos.com/support/docs/>
- Send an email to [support@sophos.com](mailto:support@sophos.com), including your Sophos software version number(s), operating system(s) and patch level(s), and the text of any error messages.

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### **Freetype**

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FreeType font driver for bdf files

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FreeType font driver for pcf fonts

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### **Zlib, Part of FreeType**

zlib.h -- interface of the 'zlib' general purpose compression library version 1.1.4, March 11th, 2002

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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