



How to update Mac OS X to Sierra via Parallels Management for Mac

- Parallels Device Management 4.5

Symptoms

How to update Mac OS X to Sierra via Parallels Management for Mac

Resolution

Put the **Install macOS Sierra.app** file somewhere on the Mac in the user Home Folder (e.g. on the Desktop).

1. On the Mac with **Install macOS Sierra.app** file open **Terminal** and change directory to *../Install macOS Sierra.app/Contents*:

- ♦ in **Finder** navigate to **Install macOS Sierra.app** > right-click it > **Show Package Contents**.
- ♦ in **Terminal** window type "**cd** " - note the space after "**d**".
- ♦ drag and drop **Contents** folder from **Finder** to **Terminal** window, so the command will look like

```
cd /<some_path>/Install\ macOS\ Sierra.app/Contents/Contents
```

- ♦ hit **Enter**

2. Archive "Frameworks" folder by executing the following commands in Terminal:

```
sudo su
tar -cf Frameworks.tar.gz Frameworks
```

move the original folder and compressed file in the directory where *Install macOS Sierra.app* is located:

```
mv Frameworks.tar.gz ../../
mv Frameworks ../../
```

3. In **Finder** check that in **Install macOS Sierra.app/Contents** directory there is NO **Frameworks.tar.gz** file and **Frameworks** folder.
4. In **Finder** check that **Frameworks.tar.gz** file and **Frameworks** folder are located in the same directory where **Install macOS Sierra.app** is located.
5. Now copy **Install macOS Sierra.app** and **Frameworks.tar.gz** file (**Frameworks** folder should **not** be copied) to the SCCM server.
6. If you need a working .app installer on Mac side, go back to **Terminal** and move **Frameworks** folder back to its default directory (make sure this is done after the files are copied on the server):

```
mv ../../Frameworks ./
```

7. On the SCCM server Create **macOS Sierra** package:

- ♦ Right click on **Packages** in **Software Library** -> **Overview** -> **Application Management** and click **Create Package** in opened context menu.
- ♦ Fill in the fields. Check 'This package contains source files' checkbox, click **Browse...** and specify the required directory. Click **Next** in **Package** page of the wizard.
- ♦ Choose **Standard program** and click **Next** in **Program Type**.
- ♦ At **Standard Program** page:

- ◊ Specify **Name**.

- ◊ Use the following **Command line**:

```
tar -xzf Frameworks.tar.gz -C 'Install macOS Sierra.app/Contents/' && chmod -R 777
```

◇ Set **Run mode** to **Run with administrative rights**.

◇ Tick **Allow users to view and interact with program installation** checkbox .

◇ Click **Next**.

◆ Leave other field values in the wizard as is.

8. Configure properties of the package to copy it's content to distribution point:

◆ Right click on the macOS Sierra package in **Software Library > Overview > Application Management > Packages** and click **Properties** in opened context menu.

◆ Check **Copy the content in this package to a package share on distribution points** checkbox in **Data Access** tab of the package properties dialog.

◆ Apply changes and close the dialog.

9. Deploy the macOS Sierra package:

◆ Right-click on macOS Sierra package in **Software Library > Overview > Application Management > Packages > Deploy**.

◆ Choose required collection in **General** page of the wizard.

◆ Add Distribution Point on **Content** page of the wizard.

◆ Add assignment schedule **Assign immediately after this event: As soon as possible**.

◆ Leave other parameters as is.
