

## How to update Mac OS X to El Capitan via Parallels Management for Mac

• Parallels Device Management

## **Symptoms**

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## Resolution

- 1. On the Mac with **Install OS X El Capitan.app** file open **Terminal** and change directory to ../Install OS X El Capitan.app/Contents:
  - ♦ in Finder navigate to Install OS X El Capitan.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\ OS\ X\ El\ Capitan.app/Contents
```

- ♦ hit Enter
- 2. Archive "Frameworks" folder by executing the following command in Terminal:

```
tar -cf Frameworks.tar.gz Frameworks
```

move the original folder and compressed file in the directory where *Install OS X El Capitan.app* is located:

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

- 3. In **Finder** check that in **Install OS X El Capitan.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 OS X El Capitan.app** is located.
- 5. Now copy **Install OS X El Capitan.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 **OS X El Capitan 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**:

- ♦ 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 El Capitan 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 El Capitan package:
  - ♦ Right-click on El Capitan 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.

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