



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

- Parallels Device Management

Information

This article describes how to upgrade to Mac OS X Catalina using the actual installer.

Procedure

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

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

- ◆ in **Finder** navigate to **Install macOS Catalina.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\ Catalina.app/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 Catalina.app* is located:

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

3. In **Finder** check that in **Install macOS Catalina.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 both located in the same directory where **Install macOS Catalina.app** is located.
5. Now copy **Install macOS Catalina.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 Catalina** 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** check box, click **Browse...** and specify the required directory. Click **Next** in the **Package** page of the wizard.
- ◆ Choose **Standard program** and click **Next** in **Program Type**.
- ◆ At the **Standard Program** page:

◇ Specify **Name**.

◇ Use the following **Command line**:

```
tar -xzf Frameworks.tar.gz -C 'Install macOS Catalina.app/Contents/' && chmod -R 77
```

- ◇ Set **Run mode** to **Run with administrative rights**.
- ◇ Tick **Allow users to view and interact with the program installation** checkbox.
- ◇ Click **Next**.
- ◇ Leave other field values in the wizard as is.

8. Configure properties of the package to copy its content to distribution point:

- ◆ Right-click on the macOS Catalina package in **Software Library > Overview > Application Management > Packages** and click **Properties** in the opened context menu.
- ◆ Check **Copy the content in this package to a package share on distribution points** checkbox in the **Data Access** tab of the package properties dialog.
- ◆ Apply changes and close the dialog.

9. Deploy the macOS Catalina package:

- ◆ Right-click on macOS Catalina package in **Software Library > Overview > Application Management > Packages > Deploy**.
 - ◆ Choose the required collection the "**General**" page of the wizard.
 - ◆ Add Distribution Point on the **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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