

Install macOS 11 Update via Software Package

- Parallels Device Management

Issue

Software updates for macOS Big Sur are not published in the \Software Library\Overview\Software Updates node of the Configuration Manager console. This makes it impossible to deploy such updates in a usual way.

Workaround

Find the software update label

1. On a Mac with available software updates, open **Terminal.app**.
2. Run the following command: **softwareupdate --list**
3. You will get an output similar to the following:

```
Software Update Tool
```

```
Finding available software
```

```
Software Update found the following new or updated software:
```

```
* Label: macOS Big Sur 11.4-20F71
```

```
    Title: macOS Big Sur 11.4, Version: 11.4, Size: 2987207K,  
    Recommended: YES, Action: restart,
```

4. Pick an update label. In our example, it is **macOS Big Sur 11.4-20F71**.

Create software package

1. In the Configuration Manager console, navigate to \Software Library\Overview\Application Management\Packages.
2. Choose the **Create Package** action.
3. On the **Package** page:
 1. Enter the **Name** of the package. E.g. "Download & Install macOS Big Sur 11.4 Update".
 3. Select the **This package contains source files** option and then set the path to the source files using the **Browse** button.
 1. Use source files that are attached to this article.
 4. Click **Next**.
4. On the **Program Type** page, select the **Standard Program** option. Click **Next**.
5. On the **Standard Program** page:
 1. Enter a **Name**, e.g. "Install"
 3. Enter the **Command line**:
`/usr/bin/python installosupdate.py "macOS Big Sur 11.4-20F71"`
 4. Set **Program can run** to **Only when a user is logged on**.
 5. Set **Run mode** to **Run with administrative rights**.
 6. Select the **Allow user to view and interact with the program installation** option.
6. On other pages, leave all parameters as is.

7. Complete the wizard.

Deploy software package

1. Select the package created on the previous step.
2. Choose the **Deploy** action.
3. On the **General** page, set a device collection.
4. On the **Content** page, add distribution points.
5. On the **Deployment Settings** page, set **Purpose** to **Required**.
6. On the **Scheduling** page:
 1. Click the **New** button, then set **Assign immediately after this event**, and choose **As soon as possible**. Click OK to close.
 2. Set **Rerun behavior** to **Rerun if failed previous attempt**.
 3. Click **Next**.
7. On other pages, leave all parameters as is.
8. Complete the wizard.

On a Mac computer

1. When Parallels Mac Client starts, the package deployment dialog will appear:

2. When the update is downloaded and ready to be installed, the following dialog opens:

Attachments

[installupdate.zip](#)
