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

installosupdate.zip

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