



How to create and distribute NetBoot image.

- Parallels Device Management

Creating **NetBoot** image can be divided into three steps:

1. Capture an **OS X Boot Image**.
2. Add the **OS X Boot Image** to **Configuration Manager**.
3. Distribute Content of the **OS X Boot Image**.

Capture an OS X Boot Image:

1. Download *PmmOsdImageBuilder.dmg*: Go to **SCCM > Administration > Overview > Parallels Mac Management > Mac Client Enrollment**.
2. In the **Mac Client Enrollment** list, right-click the **Mac Client installation package download URL** item and then click **Properties** in the context menu.
3. Copy the **URL** to clipboard and save it to a text file. In the file, replace the "*pma_agent.dmg*" part of the URL with "*PmmOsdImageBuilder.dmg*".
4. Transfer the file to the reference **Mac** and open the **URL** in a web browser to download the *PmmOsdImageBuilder.dmg* file. When done, mount the image in **OS X**.
5. Open **Terminal** and change directory to the *PmmOsdImageBuilder.dmg* image mount point (e.g. */Volumes/Parallels OSD Image Builder 4.0.xxxx.yyyyyy*).
6. Execute the following command in **Terminal**:

```
sudo ./pmm_osd_image_builder netboot -n [output-dir] --ntp-servers [ntp_servers] --ssh-authkeys
```

where:

[output-dir] - is a directory where you want the NetBoot image to be created;

[ntp_servers] - is comma-separated NTP server hostnames or IP addresses;

[ssh_keys_file] - is a path to the SSH keys file. The NetBoot image will have these keys configured.

7. Copy the entire resulting *[output-dir]* directory to a location on the computer running the **Configuration Manager** console.

Add the OS X Boot Image to Configuration Manager:

1. In the **Configuration Manager** console, navigate to **Software Library / Overview / Operating Systems / Operating System Images**.
2. Right-click **Operating System Images** and then click **Add OS X Boot Image**.
3. The **Add OS X Boot Image** dialog opens.
4. In the path to the **OS X Boot Image** directory field, specify the path to the **OS X Boot Image** folder. The other field should contain name and path where you want the image file *.wim* to be created.
5. Click **Next**.
6. Specify an **OS X Image** name and version and click **Next**.
7. Wait for the image to be converted to the *.wim* format.
8. Click **Finish**.

Distribute Content of the OS X Boot Image:

1. In the **Configuration Manager** console, right-click the **OS X Boot Image** and then click **Distribute Content** in the context menu
2. In the **Distribute Content** wizard, select the **Distribution Point** where the **Parallels NetBoot** server is installed and complete the wizard.
3. You can monitor the content status in the **NetBoot Image Summary** pane. You must wait for the circle to turn green (as shown in the picture below) before proceeding to the next step. You can press **F5** to refresh the view to speed things up a little.

To verify that the **OS X Boot Image** has been deployed successfully, log into a **Mac** connected to your network and open **System Preferences > Startup Disk**. The **OS X Boot Image** should be included in the **Select the system you want to use to start up your computer** list.