# || Parallels<sup>®</sup>

## How to create and distribute NetBoot image.

• Parallels Device Management

Creating NetBoot image can be devided 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 configu

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.

<sup>© 2024</sup> Parallels International GmbH. All rights reserved. Parallels, the Parallels logo and Parallels Desktop are registered trademarks of Parallels International GmbH. All other product and company names and logos are the trademarks or registered trademarks of their respective owners.