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## Netbooting is too slow

• Parallels Device Management

## Symptoms

- Netbooting is too slow
- It takes more than 30 minutes to get to Task Sequence window
- Netboot server and Mac are located in the same network

## Cause

This behavior is observed if Mac from which image has been created has OS X version that is different from OS X version installed in Recovery partition.

You can check OS X versions by running **pmm\_osd\_image\_builder** tool that is used to create a netboot image as described in **Creating an OS X Boot Image** at page 102 of <u>Parallels Mac Management Administrator Guide</u>:

Note: you can interrupt the process by pressing ctrl+c combination.

## Resolution

Update Recovery partition to the latest build:

- 1. Disable System Integrity Protection (required only for OS X El Capitan and later):
  - ♦ <u>Boot in recovery mode</u>.
  - Open **Terminal** from the **Utilities** menu.
  - Execute the following command:

csrutil disable

- 2. Reboot Mac.
- 3. Download the Lion Recovery Update from here in ~/Downloads folder on your Mac.

Note: Although tool is called Lion, it will work on El Capitan fluently.

- 4. Download .app installer of OS X system that is currently installed on your Mac in ~/Downloads folder. We recommend updating OS X to the latest version available and then download installer from App Store.
- 5. Right click on the .app installer file > Show Package Contents. Go to Contents/SharedSupport/. Copy the InstallESD.dmg file in ~/Downloads folder.
- 6. Download <u>recovery.sh</u> script in ~/Downloads folder.
- 7. Open **Terminal** and give execute permissions to downloaded script:

sudo chmod +x ~/Downloads/recovery.sh

8. Run Recovery update

cd ~/Downloads
sudo ./recovery.sh

- 9. Wait till update is finished and reboot Mac.
- 10. Now you can create a Netboot image following **Creating an OS X Boot Image** at page 102 of <u>Parallels</u> <u>Mac Management Administrator Guide</u>

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