

Using SSH in NetBoot image

- Parallels Device Management
- Parallels Mac Management 4.0
- Parallels Device Management 4.5

Information

It is possible to make SSH available in NetBoot image. The following argument (hidden) must be used when NetBoot image creation:

```
--ssh-authkeys <authorized-keys-file>
```

where **<authorized-keys-file>** - is a location of a file with SSH2 public key in authorized_keys format.

To get the SSH public key on Mac:

1. Execute the following command in Terminal

```
ssh-keygen -t rsa
```

2. Specify file name to save key when you asked:

```
Enter file in which to save the key (/Users/user/.ssh/id_rsa):
```

3. Specify passphrase and repeat it when asked:

```
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
```

4. Use created **"*.pub"** file when creating NetBoot image with SSH by executing the following command:

```
sudo ./pmm_osd_image_builder netboot -n <path-to-output-folder> --ssh-authkeys <path-to-public-k</pre>
```

To convert pub key to PuTTY ppk:

- 1. Copy files with private and public keys (*.pub) on machine from which you will use SSH to login on Mac.
- 2. Install PuTTY.
- 3. Use **puttygen.exe** (it's installed with PuTTY into C:\Program Files (x86)\PuTTY\ by default) to convert rsa key to PuTTY *.ppk key:
 - 3.1. Double click on **puttygen.exe**.
 - 3.2. Click Load button near Load an existing private key file in Actions pane.
 - 3.3. Choose All Files (.) in drop-down list in opened Load private key dialog.
 - 3.4. In files list choose file with **private key** (file name **doesn't** contain *.pub) and click **Open** button.
 - 3.5. Enter passphrase when asked and click **OK** button.
 - 3.6. Close the dialog by click **OK** button.
 - 3.7. Click **Save private key** button and save key somewhere (result is *.ppk file).

To login via SSH on Mac booted from NetBoot image with enabled SSH:

- 1. Run **putty.exe**.
- 2. In Category tree go to Connection -> SSH -> Auth.
- 3. In Authentication parameters pane click Browse button for Private key file for authentication.
- 4. Choose *.ppk file (converted from private key in steps above).
- 5. In Category tree go to **Session**.
- 6. Type Mac hostname or IP address and open session.
- 7. When asked, enter **root** as user name and specify **passphrase**.

NOTE There is no need to download PuTTY on the server where Parallels Mac Management Console Extension is running as Parallels Mac Management Console Extension installer will place both **putty.exe** and **puttygen.exe** in its installation directory.

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