



How to install legacy macOS virtual machine

- Parallels Desktop for Mac Standard Edition
- Parallels Desktop for Mac Pro Edition
- Parallels Desktop for Mac Business Edition
- Parallels Desktop for Mac App Store Edition

Information

A macOS virtual machine can be created only from a valid macOS image. Such images must be signed by Apple. If you find out that a macOS image has an outdated codesign certificate please try to find the respective image with a valid certificate.

Symptoms

I cannot install one of the old macOS versions in Parallels Desktop. The installation interrupts with the error message.

Cause

The codesign certificate of macOS image is expired.

Resolution

First of all, please make sure the version you are trying to install is in the list of supported operating systems.

Then try to follow the instructions below:

1. Start a macOS virtual machine's creation as usual.
2. As soon as the virtual machine starts, disable the network connection: in the top menu click **Devices > Network > Disable**.
3. Wait until installation environment completely boots and you'll see macOS/OS X Utilities screen:

4. On the top Mac menu click on **Utilities > Terminal**:

5. Execute in Terminal the following command:

```
date 0101000020xx
```

where XX is taken in accordance with the table below

XX	macOS version
07	OS X 10.5 Server
09	OS X 10.6 Server
11	OS X 10.7
13	OS X 10.8
14	OS X 10.9
15	OS X 10.10
16	OS X 10.11
17	macOS 10.12
18	macOS 10.13

For example, if you want to create a macOS 10.8 Mountain Lion virtual machine, you should execute the command *date 010100002013* as shown below:

5. Exit from Terminal by clicking Terminal on Mac top menu and selecting the option **Quit Terminal**:

7. Proceed with the installation, following the on-screen instructions. Once the installation is over, you can re-enable the network in the virtual machine (in the top menu click **Devices > Network > Shared Network**).

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