



Parallels Desktop for Mac with Apple silicon limitations

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

Due to the peculiarities of ARM architecture Parallels Desktop for Mac computers with Apple silicon has some limitations contrary to Parallels Desktop for Mac computers with Intel processors.

Below you can find a full list of limitations that Parallels Desktop for Mac with Apple silicon contains.

Missing features

The following Parallels Desktop features are not supported in Parallels Desktop for Mac computers with Apple silicon yet:

- Nested Virtualization
- Support for mmap() in Linux Shared Folders
- Transfer PC to a virtual machine
- Import VMware, VirtualBox, and Hyper-V virtual machines
- Download ready-to-go Windows 11 virtual machine with Visual Studio
- Use Windows from Boot Camp
- PXE network boot
- NVMe disk controller support
- There are some limitations for macOS virtual machines running on Mac computers with Apple silicon.
Learn more in [KB 128867](#).

Architecture

Apple silicon chip is built on ARM architecture. Virtual machines (VMs) created on Intel-based Mac computers have x86_64 CPU architecture that is fundamentally different from the ARM architecture.

Therefore, a virtual machine created on a Mac with an Intel processor cannot be used on a Mac with Apple silicon chip, and vice-versa.

If you are switching from a Mac with an Intel processor to a Mac with Apple silicon or the other way around, you can copy personal data between Intel-based and ARM-based virtual machines.

Third-party applications

Software applications are heavily dependent on a computer's CPU architecture: an application that is compiled/created for one architecture cannot be easily run on another architecture. However, thanks to the Microsoft built-in emulator the majority of applications can easily run in Windows on ARM.

However, if you experience an issue with 3rd-party applications, we advise you to try following the steps from [KB 128796](#).

The unsupported applications on ARM architecture

Based on our own tests and feedback from customers, few apps are not supported to run in Windows 11 on ARM yet. Luckily, the number of such apps is quite limited.

If you want to share your experience and findings with others, you can do that on our [Forum](#).

© 2024 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.