



Parallels Virtual Automation 6.1

Readme

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About This Document

This document provides the first-priority information on Parallels Virtual Automation 6.1 and supplements the included documentation.

Distribution Contents

The following components are included in the Parallels Virtual Automation 6.1 distribution:

- **PVA Management Server.** This component ensures communication between slave physical servers and their virtual environments.
- **PVA Agent.** This component ensures interaction between the physical server it is installed on, the Master Server, and your client physical computer. Without this component a physical server cannot be registered in the system.
- **Parallels Power Panel.** An auxiliary tool for managing single virtual machines or single Containers via a standard Web browser. It can be installed only along with the PVA Agent component.
- **Documentation.** The Parallels Virtual Automation 6.1 documentation.

Licensing

Parallels Virtual Automation 6.1 is a management tool for Parallels virtualization products and is distributed without a license. Nevertheless, a valid license is needed for the Parallels product being managed. Servers running Parallels Containers for Windows require a license to create and work with Containers.

Hardware Requirements

If a Windows-based computer serves as a Master Server, there are no special requirements for it. However, below is the list of the basic hardware requirements you can use as a checklist:

- Intel Celeron, Pentium III, Pentium 4, Xeon, or AMD Athlon CPU
- at least 1 GB of RAM
- hard drive with at least 15 GB of free disk space
- network card

If a Windows-based computer serves as a Slave Server where virtual environments will be stored and managed, then Parallels Virtual Automation will call for more complex hardware. The general considerations regarding the configuration of your physical servers could be as follows:

- CPUs. The more virtual environments you plan to run simultaneously, the more CPUs you need.
- Memory. The more memory you have, the more virtual environments you can run. The exact figure depends on the number and nature of applications you are planning to run in your virtual environments.
- Disk space. Each virtual environment occupies 40-150 MB of hard disk space for system files in addition to the user data inside the virtual environment (for example, web site content). You should consider it when planning disk partitioning and the number of virtual environments to run.
- Virtualization support. Intel VT-x or AMD-V hardware virtualization technology support.

For detailed information on the requirements, see the *Parallels Containers for Windows 6.0 Installation Guide*.

Software Requirements

Before starting to deploy Parallels Virtual Automation, make sure your computers meet the requirements below.

Supported Web Browsers

A Client computer needs a supported Web browser:

- Internet Explorer 9.x, 10.x or 11.x,
- Firefox 26 or newer,
- Safari 5.x or newer,
- Chrome 31.x or newer.

Although other browsers will most likely work, only those listed above have been extensively tested for compatibility with Parallels Virtual Automation 6.1.

If a Windows-based computer serves as a Slave Server where virtual environments will be stored and managed, then Parallels Virtual Automation will call for more complex requirements, as the creation and management of Containers and virtual machines demand more complex software resources. So, in choosing an appropriate Windows-based computer, you should be guided by the Parallels Containers for Windows system requirements. For detailed information on the requirements, see the *Parallels Containers for Windows 6.0 Installation Guide*.

Supported Virtualization Products

The PVA Management Server component can be used to manage servers running Parallels Virtuozzo Containers for Linux 4.0, 4.6 and 4.7, Parallels Virtuozzo Containers for Windows 4.6, Parallels Containers for Windows 6.0, Parallels Server Bare Metal 5.0, and Parallels Cloud Server 6.0.

The PVA Agent component can be installed on Parallels Virtuozzo Containers for Windows 4.6, Parallels Virtuozzo Containers for Linux 4.7, Parallels Containers for Windows 6.0, Parallels Server Bare Metal 5.0, and Parallels Cloud Server 6.0.

Supported Operating Systems for Master Servers

If a Windows-based computer serves as a Master Server, it should be free of any software virtualization technology and have the Windows Server 2008 R2 SP1 or Windows Server 2012 operating system installed.

Master servers (management nodes) can be based on Containers created with Parallels Containers for Windows. To create such a Master Server, you should first create a Container and then start the PVA Management Server component installation there.

Installing Parallels Virtual Automation 6.1

To install Parallels Virtual Automation 6.1, run the installer of Parallels Containers for Windows 6.0 and check the required box(es) on the Parallels Virtual Automation Installation screen.

Removing Parallels Virtual Automation 6.1

To uninstall Parallels Virtual Automation 6.1 from your physical server, go to the directory where the installation files are stored and start the Parallels Virtual Automation uninstallation.

New Features and Improvements

- Support for Windows Server 2012 as a host operating system for Parallels Virtual Automation master servers and Parallels Containers for Windows 6.0 slave servers.
- Support for Internet Explorer 10.x and 11.x.
- A new `--quiet/--no-progress` option for the `vzmigrate`, `vzabackup`, and `vzarestore` utilities.

Known Issues and Restrictions

- Parallels Virtual Automation only installs the latest update for Parallels Containers for Windows of all currently available (#PVA-33296).
- Cannot set custom DNS to Containers with DHCP bridged interface (#PVA-33513).
- Cannot restore backups containing excluded files (#PVA-33699).

- Parallels Containers for Windows 4.6 Hardware Nodes may lose offline services after registration in Parallels Business Automation Standard (#PVA-33784).
- Attempts to create VE requests result in system error #cp1100 (#PVA-33857).
- Redirects from Parallels Virtual Automation or Parallels Power Panel to Plesk do not work for Containers with only IPv6 networking configured (#PVA-34086).
- PVA Agent for Windows will not work if port 4435 is closed by the firewall (#PVA-34093).
- Cannot install application templates to Container after p2c migration in PVA; Also, incorrect OS template version is shown for such Containers (#PVA-34114). As a workaround, try removing the line `P2VType="w2k3"` from the Container configuration file and restarting the PVA Agent.
- Cannot update Parallels Containers for Windows 4.6 licenses from Parallels Virtual Automation (#PVA-34146).
- Only Parallels Containers for Windows 6.0 and Parallels Virtuozzo Containers for Windows 4.6 are supported for slave servers.
- Container offline management cannot be set to **Enabled** with default settings.
- Creating new Windows-based Containers may fail if there are no free IPv4 addresses left in IP pools and the **DHCPv6** checkbox is not selected. As a workaround, you can select the **DHCPv6** checkbox manually.
- The selective restoration of cached files fails if a parent directory is missing.
- Containers with assigned IPv6 addresses cannot be accessed via Parallels Power Panel in Firefox or Safari Web browsers.

More Resources

In addition to this readme, there are a number of other resources shipped with Parallels Virtual Automation which can help you use the product more effectively. These resources include:

- *Parallels Virtual Automation Administrator's Guide*. Introduces you to the main features of Parallels Virtual Automation. It contains comprehensive information on all the necessary theoretical conceptions and all practical aspects of working with Parallels Virtual Automation functionality, physical servers and virtual environments.
- *Getting Started with Parallels Virtual Automation*. Provides brief instructions on how to install and run Parallels Virtual Automation on your server. It also explains the basics of working with physical servers, Containers and virtual machines: how to register a server, to create and manage a virtual environment, and the like.
- *Parallels Power Panel Guide*. Introduces you to the Power Panel working principles. Power Panel is a means for administering individual Containers and virtual machines through a Web browser on any platform.
- *Parallels Virtual Automation Installation Guide for Windows*. Provides extensive information on how to install Parallels Virtual Automation components. It also helps you plan the structure of the Parallels Virtual Automation network and explains the interconnections between all components.

- *PVA Agent XML API Reference*. A complete reference on all Parallels Virtual Automation configuration files and physical server command-line utilities.

These documents are available at <http://www.parallels.com/products/pva/documents/>.

Contact Information

Parallels website: <http://www.parallels.com/>.

Parallels IP Holdings GmbH.
c/o Parallels International GmbH.
Parallels International GmbH
Vordergasse 49
CH8200 Schaffhausen
Switzerland
Tel: + 41 526320 411
Fax: + 41 52672 2010
www.parallels.com

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