

# Parallels® Virtual Automation 4.5 Beta Release Notes

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This document provides first-priority information on the Parallels Virtual Automation 4.5 Beta and supplements the included documentation.

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## 1. ABOUT PARALLELS VIRTUAL AUTOMATION 4.5 BETA

In this version, the product has changed its name from Parallels Infrastructure Manager to Parallels Virtual Automation.

Parallels Virtual Automation 4.5 is an advanced and easy-to-use administration tool designed for managing groups of physical servers running Parallels Virtuozzo Containers 4.0 and/or Parallels Server Bare Metal. With Parallels Virtual Automation 4.5, you can manage both the available physical servers and the virtual environments they host, using a standard web browser running on any platform. With Parallels Virtual Automation 4.5, you can create groups of physical servers and perform both collective and individual administration operations on these groups. Moreover, you can also manage the virtual environments residing on the registered physical servers: their productivity and resources, system tasks and processes, configuration, and much more.

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## 2. NEW FEATURES AND IMPROVEMENTS

Parallels Virtual Automation 4.5 beta enables you to take full advantage of the following:

- **Integration With Parallels Server Bare Metal** - Now it is possible to register multiple Parallels Server Bare Metal physical servers in Parallels Virtual Automation 4.5 and manage them the same way as Parallels Virtuozzo Containers servers.

- **Virtual Machines and Containers on a single host** - Parallels Virtual Automation 4.5 has become a major tool for centralized data center management. It enables you to manage both Containers and virtual machines with the highest efficiency.
- **Centralized License Management** - Parallels Virtual Automation allows you to manage both licenses for Parallels Virtuozzo Containers servers and for Parallels Server Bare Metal computers.
- **Automatic Discovery and Registration** - If you want to register a Parallels Server Bare Metal physical server in Parallels Virtual Automation 4.5, now you do not have to remember its IP address.
- **Massive Virtual Machine Creation** - Now you can create several virtual machines at once via Parallels Virtual Automation 4.5.
- **Virtual Machine Cloning and Converting** - Parallels Virtual Automation 4.5 allows you to clone your virtual machines to a complete copy, to clone or convert the virtual machine to a template.
- **VNC Console Support** - You can manage your virtual machines via integrated Virtual Network Computing Console.
- **Virtual Machine Mass Operations** - Parallels Virtual Automation 4.5 allows you to start, stop, pause, restart, delete, etc. one or several virtual machines at a time. Additionally, you can change general and hardware configuration of several machines at once.
- **Viewing Parallels Server Bare Metal physical server and its Virtual Machines Current Resource Usage** - Now you can always view the graph displaying the current resource usage of the chosen Parallels Server Bare Metal server and its virtual machines.
- **Resource Usage History** - To gather statistics on a Parallels Server Bare Metal server or its virtual machine resource usage, you can view their resource usage during a certain period of time.
- **Top Resource Consumers** - You can range Containers and virtual machines according to their resource consumption.
- **Alerts** - If a Parallels Server Bare Metal server license is expired or a virtual machine exceeds the limit of resource consumption, you will be informed by special

alerts.

- **Logical Folders Support for physical servers and Virtual Environments** - Parallels Virtual Automation 4.5 allows you to create logical folders and group your physical servers and virtual environments the way you like.
- **Security Policies for Accessing Parallels Server Bare Metal servers and Their Virtual Machines** - Using Parallels Virtual Automation 4.5, you can manage permissions of some user (a group of users) to access a Parallels Server Bare Metal server or its virtual machines and perform various operations on them.
- **Operations and Events Logs Support** - You can also view the operations or events logs of the chosen physical server and its virtual machines and Containers.
- **DMG Packages and ISO Images Library** - In Parallels Virtual Automation 4.5, you can now register any number of file shares storing various CD/DVD disk images.
- **Power Panel Policies** - In Parallels Virtual Automation 4.5, set up Power Panel policies to restrict access for users when managing virtual machines and Containers

and more...

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### 3. BUGS FIXED

Many bugs from the previous release of Parallels Infrastructure Manager 4.0 have been fixed. Here is a small sample of them:

- Current building vzcp-engine module requires existence of VZAF functionality and VZAF functionalityAgent, that are Virtuozzo specific. These libraries are needed to build Agent for Parallels.
- Incorrect Alert sign and alert value when the virtual environment CPU consumption is close to 90-100%.
- Incorrect PVA 4.5 installation and deployment: CP layout on Windows and Linux Agents.
- Virtual machine screen shots cannot be taken on the virtual machine dashboard screen.
- PVA CP doesn't show number of virtual environments located on every server: total number, the number of running/stopped virtual environments or those that have alerts.
- Virtual machine working process is terminated through the power-off procedure instead of being shut down correctly through the Stop command.
- When creating an image file of a floppy or a hard disk, the sys\_name file is

generated with an empty content.

- core/xsl/screens/login.xsl file cannot be installed without Plesk plugin.
- The virtual machine dashboard screen does not show the Parallels Tools status.
- Default timeout in VZAOCompat for migration is too small.

All these bugs together with many other have been fixed in Parallels Virtual Automation 4.5 beta.

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## **4. KNOWN ISSUES AND RESTRICTIONS**

- Container does not receive a dns address from the global IP pool;
- virtual machine cannot boot from a network image;
- IP address cannot be set for a template neither by dhcp nor manually;
- Parallels Server Bare Metal doesn't support disk I/O;
- Changing screen resolution in Linux virtual machine ruins the console view;
- A running virtual machine cannot be renamed;
- virtual machine CPU and memory usage values are shown incorrectly;
- if any of the virtual machines shows incorrect CPU usage (over 100% value), no more virtual machines can be created on this physical server;
- virtual machine's IP address is not available for the host if the routed network type is chosen;

and some other ...

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## **6. CONTACT INFO**

Product Website: <http://www.parallels.com/support>

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