



Virtuozzo 7

Quick Start Guide

September 29, 2017

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CHAPTER 1

About This Guide

This guide provides an overview of steps required to deploy recommended Virtuozzo infrastructures. It links to and is meant to be used with other Virtuozzo manuals that offer more details on each specific step.

CHAPTER 2

Deployment Overview

With Virtuozzo, you can deploy the following infrastructures:

- Virtuozzo with Virtuozzo Storage for running virtual machines and containers on resilient, self-healing storage managed via a GUI or CLI.
- Standalone Virtuozzo nodes for running virtual machines and containers on regular storage.

On top of both setups, you can also deploy Virtuozzo Automator, a GUI-based solution for easy virtual machine and container management.

The following chapters explain how to deploy these infrastructures.

CHAPTER 3

Deploying Virtuoizzo Storage

You can deploy Virtuoizzo Storage with management either via command line tools (i.e. CLI) or web management panel (i.e. GUI, recommended). This section lists steps to deploy the recommended setup from scratch.

Note: If you are sure you need to deploy Virtuoizzo Storage with CLI management instead, see [here](#).

1. Plan your Virtuoizzo Storage infrastructure (hardware, networks, redundancy mode) as described [here](#).
2. Set up the first Virtuoizzo Storage node.

On it, a container will be created with the Virtuoizzo Storage management panel through which you will manage your Virtuoizzo Storage clusters. It will also be configured as a storage node that will automatically be registered in Virtuoizzo Storage. Finally, Virtuoizzo Automator Management Node will be installed on this server. With it, you will easily select Virtuoizzo Storage as location for your virtual environments. The Virtuoizzo Automator Management Node will be installed in another container. The node will be registered in Virtuoizzo Automator automatically.

Note: If you already have Virtuoizzo Automator set up, you can use it instead. To easily switch to the Virtuoizzo Storage management panel, you can install Virtuoizzo Storage management plugin for your Virtuoizzo Automator as described [here](#).

To set up the first node, follow these steps:

- 2.1. Boot the node from the Virtuoizzo distribution and choose **Install Virtuoizzo 7 with GUI management** on the installer's welcome screen.

- 2.2. Set up date, time, and keyboard layout, accept EULA, and choose a disk to install Virtuoizzo on. For more details on choosing installation destination, see [here](#).
- 2.3. Open the **VIRTUOZZO STORAGE** screen. On it, choose the role **Management Panel and Storage** and specify the IP address and hostname for your Virtuoizzo Storage management panel container. For details, see [here](#).

The screenshot shows the 'VIRTUOZZO STORAGE' configuration interface. At the top, there is a dark header with the title 'VIRTUOZZO STORAGE' on the left, a 'Done' button, and a language selector set to 'us' on the right. Below the header, the 'Select Node Role:' section contains three radio button options: 'Management Panel and Storage' (selected), 'Storage', and 'No Virtuoizzo Storage'. Each option has a brief description. Below this, a red warning message states: 'Important: Only one Virtuoizzo Storage management panel is required, so choose this role for the first node only.' Underneath, there are input fields for 'IP address:' and 'Hostname:'. A paragraph explains that a new management container will be created with the specified IP and hostname. At the bottom, a note provides instructions on how to access the management panel via a web browser and log in as 'root'.

- 2.4. Open the **VIRTUOZZO AUTOMATOR** screen. On it, choose the role **Management Panel and Compute** and specify the IP address and hostname for your Virtuoizzo Automator Management Node container. For details, see [here](#).

The screenshot shows the 'VIRTUOZZO AUTOMATOR' configuration interface. It has a similar layout to the storage screen, with a dark header containing the title 'VIRTUOZZO AUTOMATOR', a 'Done' button, and a language selector set to 'us'. The 'Select Node Role:' section has two radio button options: 'Management Panel and Compute' (selected) and 'Compute'. A red warning message states: 'Important: Only one Virtuoizzo Automator management panel is required, so choose this role for the first node only.' Below this are input fields for 'IP address:' and 'Hostname:'. A paragraph explains that a new container will be created with the specified IP and hostname. At the bottom, a note provides instructions on how to access the management panel via a web browser and log in as 'root'.

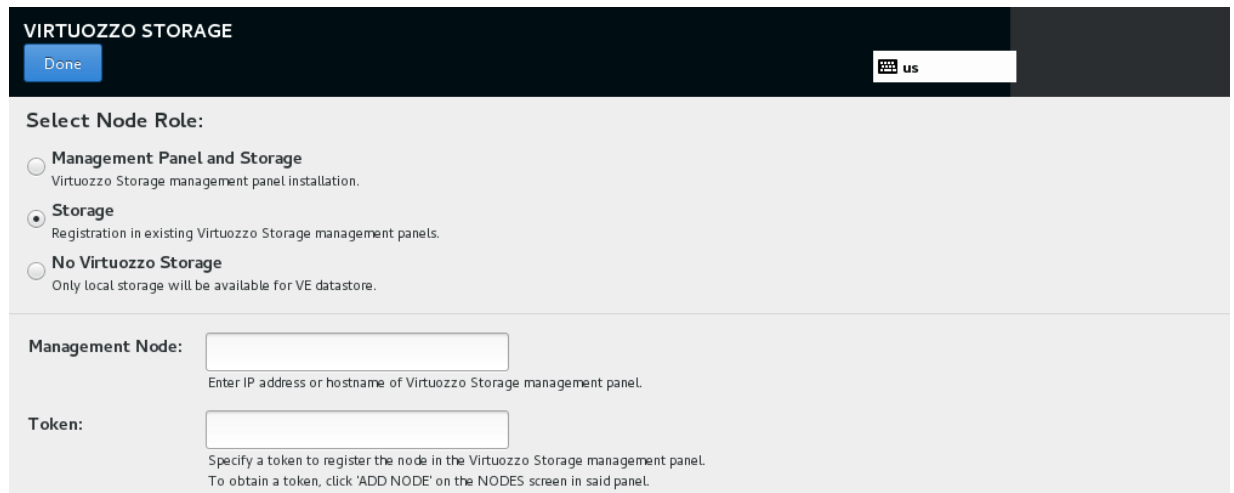
- 2.5. Complete installation by setting license and root password. For details, see [here](#).

3. Set up the second and other Virtuozzo Storage nodes.

Each of these similar storage nodes will be automatically registered in Virtuozzo Storage. In addition, they will be automatically registered in Virtuozzo Automator.

Follow these steps:

- 3.1. Boot the node from the Virtuozzo distribution and choose **Install Virtuozzo 7 with GUI management** on the installer's welcome screen.
- 3.2. Set up date, time, and keyboard layout, accept EULA, and choose a disk to install Virtuozzo on. For more details on choosing installation destination, see [here](#).
- 3.3. Open the **VIRTUOZZO STORAGE** screen. On it, choose the role **Storage** and specify the IP address or hostname of your Virtuozzo Storage management panel container as well as token. For details, see [here](#).



The screenshot shows the 'VIRTUOZZO STORAGE' configuration window. At the top left is a 'Done' button, and at the top right is a language selector set to 'us'. The main section is titled 'Select Node Role:' and contains three radio button options: 'Management Panel and Storage' (with subtext 'Virtuozzo Storage management panel installation.'), 'Storage' (selected, with subtext 'Registration in existing Virtuozzo Storage management panels.'), and 'No Virtuozzo Storage' (with subtext 'Only local storage will be available for VE datastore.'). Below this, there are two input fields: 'Management Node:' with a text box and subtext 'Enter IP address or hostname of Virtuozzo Storage management panel.', and 'Token:' with a text box and subtext 'Specify a token to register the node in the Virtuozzo Storage management panel. To obtain a token, click 'ADD NODE' on the NODES screen in said panel.'

- 3.4. Open the **VIRTUOZZO AUTOMATOR** screen. On it, choose the role **Compute** and specify the IP address or hostname of your Virtuozzo Automator Management Node container as well as password. For details, see [here](#).

- 3.5. Complete installation by setting license and root password. For details, see [here](#).
4. Log in to the Virtuoizzo Storage management panel at the IP address (or hostname) specified during installation and default port 8888 and set up storage networks as described [here](#).
5. From the Virtuoizzo Storage management panel, create a Virtuoizzo Storage cluster as described [here](#).
6. From the Virtuoizzo Storage management panel, create datastores to store your virtual machines, containers and their backups in a Virtuoizzo Storage cluster as described [here](#).
7. In Virtuoizzo Automator, click **New... > Virtual Environment** on the toolbar and start creating virtual machines and containers. For more details, see [here](#). If you have chosen not to use Virtuoizzo Automator, you can create VMs and containers [from CLI](#).

CHAPTER 4

Deploying Standalone Nodes

You can deploy standalone nodes with Virtuozzo Automator (recommended) or without it. This section lists steps to deploy the recommended setup from scratch.

Note: If you are sure you need to deploy standalone nodes without Virtuozzo Automator, see [here](#).

1. Set up the first node.

On it, a container will be created with Virtuozzo Automator Management Node for easy virtual machine and container management. The node will be registered in Virtuozzo Automator automatically.

Note: If you already have Virtuozzo Automator set up, you can use it instead. To easily switch to the Virtuozzo Storage management panel, you can install Virtuozzo Storage management plugin for your Virtuozzo Automator as described [here](#).

2. If required, set up second and other nodes.

Each of these similar nodes will be automatically registered in Virtuozzo Automator.

3. Log in to Virtuozzo Automator at <VA_MN_IP_addr_or_hostname>:4648. Click **New...** > **Virtual Environment** on the toolbar and start creating virtual machines and containers. For more details, see [here](#).