

How to Install OpenVZ 7 on CentOS 7

Written by BiRU

Saturday, 17 February 2024 11:52 - Last Updated Tuesday, 20 February 2024 07:54

This is a complete guide to converting a CentOS 7 server to a OpenVZ host server.

The recommended pattern to install OpenVZ is to use the ISO and install it on the bare metal.

However, that isn't always possible, so in this tutorial, we'll explain how to install OpenVZ on CentOS.

You'll need a server with CentOS 7 x86_64 installed.

I'll be using CentOS 7.9.

Update

Ensure you have everything up to date.

`yum update && yum upgrade` **Get OpenVZ releases**

`yum -y localinstall`

`https://download.openvz.org/virtuozzo/releases/openvz-7.0.17-347/x86\_64/os/Packages/p/pyth-on-subprocess32-3.2.7-1.vz7.5.x86\_64.rpm #yum -y localinstall`

`https://download.openvz.org/virtuozzo/releases/openvz-7.0.17-347/x86\_64/os/Packages/o/open-vz-release-7.0.17-29.vz7.x86\_64.rpm #yum -y localinstall`

`https://download.openvz.org/virtuozzo/releases/openvz-7.0.16-552/x86\_64/os/Packages/o/open-vz-release-7.0.16-7.vz7.x86\_64.rpm yum -y localinstall`

`https://download.openvz.org/virtuozzo/releases/openvz-7.0.15-628/x86\_64/os/Packages/o/open-vz-release-7.0.15-4.vz7.x86\_64.rpm yum -y install epel-release`

- Note: If you get Requires: disp-helper-scripts, use the .15 version.

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Install

```
yum install python3 rpm -Uvh  
http://repo.virtuozzo.com/vzlinux/7.9/x86_64/os/Packages/r/readykernel-scan-0.11-1.vl7.noarch.  
rpm rpm -Uvh  
http://repo.virtuozzo.com/vzlinux/7.9/x86_64/os/Packages/z/zstd-1.4.4-1.vl7.x86_64.rpm rpm  
-Uvh  
http://repo.virtuozzo.com/vzlinux/7.9/x86_64/os/Packages/v/vzlinux-release-7-1.vl7.91.x86_64.r  
pm
```

Cleanup

```
mv /etc/yum.repos.d/CentOS-* /root/ rpm -e --nodeps --justdb json-c yum -y erase jansson  
yum -y localinstall  
http://repo.virtuozzo.com/vzlinux/7.9/x86_64/os/Packages/j/jansson-2.10-1.vl7.1.x86_64.rpm  
yum -y localinstall  
http://repo.virtuozzo.com/vzlinux/7.9/x86_64/os/Packages/j/json-c-0.11-13.vl7.1.x86_64.rpm  
rpm -e --nodeps --justdb nspr nss nss-pem nss-softokn nss-softokn-freebl nss-sysinit nss-tools  
nss-util yum -y localinstall  
http://repo.virtuozzo.com/vzlinux/7.9/x86_64/os/Packages/n/nss-3.67.0-4.vl7.x86_64.rpm yum  
-y install nss-softokn-freebl.i686 nss-tools yum -y install prctl prl-disp-service vzkernel *ploop*  
yum -y update
```

Check grub

```
# awk -F' $1=="menuentry "' {print i++ " : " $2}' /etc/grub2.cfg 0 : Virtuozzo 7  
(3.10.0-1160.42.2.vz7.184.10) 1 : CentOS Linux (3.10.0-1160.53.1.el7.x86_64) 7 (Core) 2 :  
CentOS Linux (0-rescue-6a03f95fe90f43b786afa291f08bbbf6) 7 (Core) # grub2-editenv list  
saved_entry=Virtuozzo 7 (3.10.0-1160.42.2.vz7.184.10)
```

Reboot

reboot

Initial Settings

modprobe ploop pfmt_ploop1 pfmt_raw pio_direct

Install OpenVZ kernel and

other packages.

yum -y install prctl prl-disp-service vzkernel

Install quota tools

yum -y install vzctl vzquota ploop

Install all available Linux Distro

templates

yum -y install *ez.noarch

Reboot

reboot