

# Enable Quotas on a Virtuozzo VPS

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## Overview

### Warning:

Your server's quotas will **not** function unless you enable both first- and second-level Virtuozzo quotas.

If you run cPanel & WHM on a Virtuozzo® Virtual Private Server (VPS), and you disable quotas, you **must** perform extra steps to reenable quotas.

## Virtuozzo disk quotas

Virtuozzo servers use the following types of disk quotas:

1. Per-container, or first-level, quotas allow system administrators to limit the amount of disk space and the number of inodes that a Virtual Server (Container) can use. This helps to control the sizes of VPS file systems.
2. Per-user and per-group, or second-level, quotas allow the Virtual Server administrator to limit the amount of disk space and the number of inodes that users and groups in the VPS can use.

## First-level quotas

The Container (VPS) start-up process enables first-level quotas.

To determine whether first-level quotas are already enabled, run the following command, where `Container_ID` represents the container ID of the container that you wish to check:

```
vzquota show Container_ID
```

## Second-level quotas

The `QUOTAUGIDLIMIT` parameter in the Container configuration file controls second-level disk quotas. This parameter defaults to 0, which disables per-user and per-group quotas.

To view the parameter and its value, run the following command:

```
grep -i QUOTAUGIDLIMIT /etc/sysconfig/vz-scripts/CT_ID.conf
```

### Notes:

- If this command returns an empty result, or a result of 0, this environment does **not** support second-level quotas.
- A non-zero value in the `QUOTAUGIDLIMIT` parameter limits the number of file owners to the number that you assign to this parameter.
- The number of file owners includes Linux system users and groups that are within the Container. You can create additional VPS users beyond this number, but these extra users **cannot** own files.

## Enable second-level quotas

To enable second-level quotas for the Container, perform the following steps:

1. Set the `QUOTAUGIDLIMIT` parameter to a value that is greater than zero.
2. Run the following command to enable second-level quotas, where `Container_ID` represents the container ID of the container that you wish enable second-level quotas on:

```
vzquota on Container_ID -s 1
```

3. Restart the Container.

**Note:**

For more information, read SWSOft's [second-level quota](#) and [vzquota on command](#) documentation.

## Additional documentation

Suggested documentation [For cPanel users](#) [For WHM users](#) [For developers](#)

- [Enable Quotas on a Virtuozzo VPS](#)
- [Linux Containers](#)
- [System Administrators FAQ](#)
- [The Quota File Systems Configuration File](#)
- [Initial Quota Setup](#)
  
- [Bandwidth](#)
- [Disk Usage](#)
- [Email Accounts](#)
- [Email Disk Usage](#)
- [FTP Accounts](#)
  
- [Enable Quotas on a Virtuozzo VPS](#)
- [Linux Containers](#)
- [How to Troubleshoot Jailshell Problems on a Virtuozzo or OpenVZ VPS](#)
- [Best Practices for cPanel Virtualization Templates](#)
- [System Administrators FAQ](#)
  
- [UAPI Functions - Ftp::set\\_quota](#)
- [WHM API 0 Functions - editquota](#)
- [UAPI Functions - Quota::get\\_quota\\_info](#)
- [UAPI Modules - Quota](#)
- [WHM API 1 Functions - editquota](#)