

Installation Guide - Configuration

This document is for a previous release of cPanel & WHM. To view our latest documentation, visit our Home page.

For cPanel & WHM 11.46

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Overview

We recommend the following configuration choices when you install cPanel & WHM.

Recommended file system

When you install your operating system, we recommend that you use an `ext` filesystem (`ext2`, `ext3`, or `ext4`).

Warning

If you use the `ext4` filesystem, you **must** download and install the package mentioned in the [Red Hat documentation](#).

Remember:

We **only** develop and test cPanel & WHM on file systems that support `flock` . Some network file systems (for example, NFS) may require additional configuration in order to function properly.

Recommended partitions

Partition Name	Size
<code>/</code>	Grow to fill disk (40 GB recommended, 20 GB minimum) <div data-bbox="873 793 1425 873">Note To host a greater number of accounts, allocate more disk space to this partition.</div>
<code>swap</code>	See recommended swap space .

For some servers, additional partitions are beneficial. This is particularly true for servers with high email volume. The number of files that the operating system can access per partition is limited.

Note

Advanced partition information is available in our [Pre-Installation Options](#) documentation.

iNodes

In Linux, an inode is a filesystem object that contains the owner, permissions, and other important metadata. Every file, image, directory, email, and symbolic link on your server requires an inode.

On average, files on web servers are usually smaller than on other types of servers. Therefore, we recommend that you allocate more than the default number of inodes on your server's partitions.

If you install everything on a single partition, the base cPanel installation requires *at least* 1,000,000 inodes, *plus at least* 50,000 inodes per cPanel account that you plan to host.

Recommended swap space

For CentOS 5	
RAM	Minimum swap space
4 GB or less	2 GB
4 GB to 16 GB	4 GB
16 GB to 64 GB	8 GB
64 GB to 256 GB	16 GB
256 GB to 512 GB	32 GB

For CentOS 6	
RAM	Minimum swap space
2 GB or less	Two times the amount of RAM on the server.
2 GB to 8 GB	The same as the amount of RAM on the server.
8 GB to 64 GB	Half the amount of RAM on the server.
64 GB or more	4 GB

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