

RPM Targets

Overview

An RPM target represents the group of RPMs that **must** exist on the server for a specific service to function properly.

What is an RPM target?

The rpm.versions system uses the target setting to determine whether to install or uninstall that target's specific RPMs. The `target_settings` section of the `/usr/local/cpanel/etc/rpm.versions` file contains the cPanel-provided default status for each target.

For example, the cPanel-provided distribution of ClamAV consists of three RPMs:

- `cpanel-clamav`
- `cpanel-clamav-virusdefs`
- `cpanel-perl-522-File-Scan-ClamAV`

In the `/usr/local/cpanel/etc/rpm.versions` file, the setting for the `clamav` RPM target controls how the rpm.versions system manages all three of these components.

For more information about the `/usr/local/cpanel/etc/rpm.versions` file, read our [The rpm.versions File](#) documentation.

List of RPM targets

For a complete list of RPM targets, read our [How to Set or Unset RPM Management](#) documentation.

RPM target states

The RPM targets on your server may exist in any of the following states:

- `installed` — The rpm.versions system ensures that the RPMs for that target are installed and functional.
- `uninstalled` — The rpm.versions system ensures that the RPMs for that target are uninstalled.
- `unmanaged` — The rpm.versions system ignores the RPMs for that target, regardless of whether they are installed on the server.

Warning:

You may experience problems with certain services if cPanel & WHM does not manage them:

- The rpm.versions system does **not** update unmanaged RPMs. These RPMs require manual upgrades and maintenance.
- If you upgrade a server with unmanaged FTP targets, problems may occur in cPanel's FTP-related interfaces. For more information, read our [How to Restore Missing FTP Interfaces in cPanel](#) documentation.
- Unmanaged RPM targets may become **upgrade blockers** for a future version of cPanel & WHM.
- If a MySQL® RPM target is unmanaged, the system **also** blocks MariaDB on the server. To successfully use a cPanel-managed installation of either MySQL or MariaDB, the rpm.versions system **must** manage both RPM targets.

For more information, read our [How to Set or Unset RPM Management](#) documentation.

Legacy RPMs

The RPMs that cPanel, Inc. provided prior to the implementation of the rpm.versions system are now legacy RPMs. The settings in the `/var/cpanel/cpanel.config` file control these legacy RPMs. The system stores these settings in the `/usr/local/cpanel/etc/rpm.versions` file.

Note:

The files in the `/var/cpanel/rpm.versions.d/` directory can override the `target_settings` configuration.

cpanel.config file settings

The following table lists the settings in the `/var/cpanel/cpanel.config` file that control the actions of legacy RPMs:

cpanel.config setting	RPM target
<code>mysql-version</code>	MySQL55, MySQL56, MariaDB100
<code>local_nameserver_type</code>	bind, mydns, nsd
<code>mailserver</code>	dovecot, exim
<code>ftpservers</code>	pure-ftpd, proftpd

For more information, read our [The cpanel.config File](#) documentation.

Additional documentation

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

- [How to Set or Unset RPM Management](#) — This document provides steps for how to set RPM targets to unmanaged, and how to return RPM targets to a managed state.
- [How to Override the rpm.versions System](#) — This document explains the files in the `/var/cpanel/rpm.versions.d/` directory, which system administrators and third-party developers can use to modify cPanel-provided RPM management.
- [The update_local_rpm_versions Script](#) — Use the `/scripts/update_local_rpm_versions` script to update the `/var/cpanel/rpm.versions.d/local.versions` file.

Content by label

There is no content with the specified labels



- [How to Set or Unset RPM Management](#)
- [RPM Installation Failures](#)
- [The find_and_fix_rpm_issues Script](#)
- [RPM Targets](#)
- [cPanel PHP](#)

- [Guide to Standardized Hooks - RPM::Versions Functions](#)
- [WHM API 1 Functions - edit_rpm_version](#)
- [WHM API 1 Functions - list_rpms](#)
- [WHM API 1 Functions - package_manager_upgrade](#)
- [WHM API 1 functions - package_manager_list_packages](#)