

How to Override the rpm.versions System

For cPanel & WHM version 60

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Overview

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.

Notes:

- All of the rpm.version system's `.versions` files are stored in the [YAML](#) format.
- Because YAML is space-sensitive, misspelled words are common when system administrators edit a file manually. For this reason, we encourage system administrators to use the `/scripts/update_local_rpm_versions` script to edit the `/var/cpanel/rpm.versions.d/local.versions` file. For more information, read our [The update_local_rpm_versions Script documentation](#).

rpm.versions files

The `/usr/local/cpanel/etc/rpm.versions` file contains cPanel-provided settings for the rpm.versions system, based on the version of cPanel & WHM that your server runs. However, the rpm.versions system allows any `.versions` files in the `/var/cpanel/rpm.versions.d` directory to override these settings.

The following table lists information about the files from which the rpm.versions system retrieves information:

Source of changes	Location	Description
cPanel, Inc.	<code>/usr/local/cpanel/etc/rpm.versions</code>	<p>cPanel, Inc. provides these settings based on the version of cPanel & WHM that your server runs.</p> <div style="border: 1px solid red; padding: 5px;"><p>Warning: We strongly recommend that you never directly edit this file, because you will lose your changes when you perform an upgrade.</p></div>
Third-party developers	<code>/var/cpanel/rpm.versions.d/*.versions</code>	<p>We encourage third-party developers who wish to override the <code>/usr/local/cpanel/etc/rpm.versions</code> file to create their own <code>.versions</code> files in the <code>/var/cpanel/rpm.versions.d/</code> directory. These settings override the cPanel-provided settings.</p> <div style="border: 1px solid red; padding: 5px;"><p>Important: If multiple <code>.versions</code> files on a server list an RPM target, conflicts may occur. For more information, read the Third-party conflicts section below.</p></div>

System administrators	<code>/var/cpanel/rpm.versions.d/local.versions</code>	These settings override all other settings. <div style="border: 1px solid green; padding: 5px;"><p>Remember: We encourage system administrators to use the <code>/scripts/update_local_rpm_versions</code> script to edit the <code>/var/cpanel/rpm.versions.d/local.versions</code> file. For more information, read our The update_local_rpm_versions Script documentation.</p></div>
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Third-party conflicts

If a conflict exists between two or more third-party files in the `/var/cpanel/rpm.versions.d/` directory, **no** RPM updates will take place.

A conflict can occur if two vendors modify the same setting in a file. You can resolve a conflict in either of the following ways:

1. If the `/var/cpanel/rpm.versions.d/local.versions` file contains a modification to the same setting that caused the conflict between the vendor files, the setting that the `/var/cpanel/rpm.versions.d/local.versions` file specifies will override the conflict.
2. The vendors can resolve the conflict through changes to their respective files in the `/var/cpanel/rpm.versions.d/` directory.

File format

The files in the `/var/cpanel/rpm.versions.d/` directory use the [YAML](#) format, and follow a structure that resembles the `/usr/local/cpanel/etc/rpm.versions` file. However, these files should **only** contain the values that you wish to specifically override in the rpm.versions system.

Note:

For a full description of this file format, read our [The rpm.versions File](#) documentation.

A file in the `/var/cpanel/rpm.versions.d/` directory that overrides only one RPM target will appear similar to the following example:

```
file_format:
  version: 2
install_targets: {}

rpm_groups: {}

deferred_settings: {}

deferred_optional: {}

rpm_locations: {}

srpm_sub_packages: {}

srpm_versions: {}
target_settings:
  pure-ftpd: unmanaged
url_templates: {}
```

Additional documentation

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

Content by label

There is no content with the specified labels



Content by label

There is no content with the specified labels



Content by label

There is no content with the specified labels



Content by label

There is no content with the specified labels

