

# How to Set or Unset RPM Management

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## Overview

If you do **not** want cPanel & WHM's rpm.versions system to manage an RPM, you can set that RPM's target to unmanaged. This document provides steps for how to set RPM targets to both the managed and unmanaged states.

## Common unmanaged RPM problems

### 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.

## Upgrade MySQL/MariaDB interface errors

The following message in WHM's [MySQL or MariaDB Upgrade](#) interface (*WHM >> Home >> Software >> MySQL/MariaDB Upgrade*), explains that the RPM target for the blocked version of MySQL® is not installed:

```
Your server's MySQL RPM target is set to "uninstalled". You cannot use the MySQL Upgrade feature while your server is in this state. To allow cPanel & WHM to upgrade MySQL on your server, read the rpm.versions system documentation.
```

To correct this issue, you **must** set the MySQL RPM target to the managed state, which allows cPanel & WHM to manage the RPM. To return the MySQL RPM target to the managed state, perform the steps in the [Return an RPM target to the managed state](#) section below.

### Important:

In cPanel & WHM version 11.50 and later, if you set a MySQL target to the unmanaged state, the system will **also** block MariaDB on the server. To successfully run a cPanel-managed installation of either MySQL or MariaDB, the rpm.versions system **must** manage both softwares' RPM targets.

## Why is my RPM target set to unmanaged?

### Warning:

We **strongly** recommend that you to allow the rpm.versions system to manage all RPM targets.

The RPM targets for the following services may be unmanaged, even if you did not actively change them:

Service	Associated target
Bandmin	bandmin  <div style="border: 1px solid red; padding: 5px;"><b>Warning:</b> We removed the Bandmin feature from cPanel &amp; WHM version 58. The Bandmin feature <b>only</b> exists in cPanel &amp; WHM version 56 and earlier.</div>
Courier	courier  <div style="border: 1px solid red; padding: 5px;"><b>Warning:</b> We removed the Courier mail server in cPanel &amp; WHM version 54. The Courier mail server <b>only</b> exists for cPanel &amp; WHM version 11.52 and earlier.</div>
Dovecot®	dovecot
FTP	proftpd and pure-ftpd
MySQL	MySQL55, MySQL56, or MySQL57
NSD	nsd  <div style="border: 1px solid red; padding: 5px;"><b>Warning:</b> We deprecated the MyDNS and NSD nameservers in cPanel &amp; WHM version 78 and plan to remove them a future release. We strongly recommend that you migrate to PowerDNS. For more information, read our <a href="#">cPanel Deprecation Plan</a>.</div>

## 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

The following table lists the associated targets for cPanel & WHM services:

Service	Associated target
---------	-------------------

Third-party software	3rdparty	<b>Warning:</b> Never set this target to unmanaged. It could cause <b>serious problems</b> on your server.
Analog Stats	analog	
AWStats	awstats	
ClamAV Scanner	clamav	
Composer	composer	
cPanel	cpanel	<b>Warning:</b> Never set this target to unmanaged. It could cause <b>serious problems</b> on your server.
cPanel Developer Tools	cpanel-devel	<b>Note:</b> This RPM target controls the files that allow you to rebuild certain cPanel-provided RPMs.
Dovecot	dovecot	<b>Note:</b> We removed this target in cPanel & WHM version 58. The <code>exim</code> target controls Dovecot.
Exim	exim	<b>Warning:</b> Only <b>experienced</b> system administrators, who understand the effects of the change, should set this target to unmanaged.
FTP	proftpd or pure-ftpd	
Git	git	
Horde	horde	
Mailman	mailman	
MariaDB	MariaDB100, MariaDB101, or MariaDB102	<b>Note:</b> We added MariaDB102 in cPanel & WHM version 66.
Munin	munin	
MyDNS	mydns	

MySQL	<p>MySQL50, MySQL51, MySQL55, MySQL56, or MySQL57</p> <div style="border: 1px solid #f0e68c; padding: 10px;"> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• We deprecated the MySQL50 and MySQL51 targets in cPanel &amp; WHM version 60, and removed them in cPanel &amp; WHM version 68.</li> <li>• We removed the MySQL55 target in cPanel &amp; WHM version 80.</li> <li>• We added MySQL57 in cPanel &amp; WHM version 70.</li> </ul> </div>
NSD	nsd
Obsolete services	obsolete
Passive OS Fingerprinting	p0f
Pluggable Authentication Modules	<p>pam</p> <div style="border: 1px solid #f0e68c; padding: 10px;"> <p><b>Note:</b></p> <p>We added this target in cPanel &amp; WHM version 72.</p> </div>
Perl 5.22	<p>perl522</p> <div style="border: 1px solid #f08080; padding: 10px;"> <p><b>Warnings:</b></p> <ul style="list-style-type: none"> <li>• <b>Never</b> set this target to unmanaged. It could cause <b>serious problems</b> on your server.</li> <li>• We <b>removed</b> this target in cPanel &amp; WHM version 64.</li> </ul> </div>
Perl 5.24	<p>perl524</p> <div style="border: 1px solid #f08080; padding: 10px;"> <p><b>Warning:</b></p> <p><b>Never</b> set this target to unmanaged. It could cause <b>serious problems</b> on your server.</p> </div>
Perl 5.26	<p>perl526</p> <div style="border: 1px solid #f08080; padding: 10px;"> <p><b>Warning:</b></p> <p><b>Never</b> set this target to unmanaged. It could cause <b>serious problems</b> on your server.</p> </div>
Perl 5.28	<p>perl528</p> <div style="border: 1px solid #f08080; padding: 10px;"> <p><b>Warning:</b></p> <p><b>Never</b> set this target to unmanaged. It could cause <b>serious problems</b> on your server.</p> </div>
PHP	<p>cpanel-php56, cpanel-php72</p> <div style="border: 1px solid #f0e68c; padding: 10px;"> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• We removed the cpanel-php56 target in cPanel &amp; WHM version 76.</li> <li>• We added cpanel-php72 in cPanel &amp; WHM version 76.</li> </ul> </div>
PowerDNS	powerdns

Roundcube Webmail	roundcube
SQLite	sqlite
SquirrelMail	cpanel-squirrelmail
	<div style="border: 1px solid red; padding: 5px;"><b>Warning:</b> We deprecated SquirrelMail and its functionality in cPanel &amp; WHM version 76 and removed it in cPanel &amp; WHM version 78.</div>
System update	updatenow
cPanel user interface	userinterface
Webalizer	webalizer

## Set an RPM target to unmanaged

To set an RPM target to the unmanaged state, perform the following steps:

1. Run the following command, where `service` represents the name of the RPM target that you wish to set to the unmanaged state:

```
/usr/local/cpanel/scripts/update_local_rpm_versions --edit  
target_settings.service unmanaged
```

2. To confirm that the target is unmanaged, open the following file in your preferred text editor:

```
/var/cpanel/rpm.versions.d/local.versions
```

Notice the unmanaged value for the target.

## Example

If you set the `pure-ftpd` and `proftpd` targets to unmanaged, the `/var/cpanel/rpm.versions.d/local.versions` file might appear similar to the following example:

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

rpm_groups: {}

rpm_locations: {}

srpm_sub_packages: {}

srpm_versions: {}

target_settings:
  cpanel-devel: installed
  pure-ftpd: unmanaged
  proftpd: unmanaged
url_templates: {}
```

**Note:**

To set FTP services to unmanaged, you **must** run these commands for both the `pure-ftpd` and `proftpd` RPM targets.

## Return an RPM target to the managed state

To return an unmanaged RPM target to the managed state, perform the following steps:

1. Run the following command, where `service` represents the name of the RPM target that you wish to set to the managed state:

```
/usr/local/cpanel/scripts/update_local_rpm_versions --del
target_settings.service
```

**Note:**

When you enter the `--del` option with the `/usr/local/cpanel/scripts/update_local_rpm_versions` script, you return that RPM target to its default in the managed state, which could be installed **or** uninstalled.

2. To confirm that the RPM target is no longer unmanaged, open the following file in your preferred text editor:

```
/var/cpanel/rpm.versions.d/local.versions
```

Notice that the `/var/cpanel/rpm.versions.d/local.versions` file no longer lists that RPM target.

**Note:**

To return FTP services to the managed state, you may **must** run these commands for **both** the `pure-ftpd` and `proftpd` targets.

## Additional documentation

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

- [How to Set or Unset RPM Management](#)
- [RPM Installation Failures](#)
- [Determine Your System's Status](#)
- [How to Build and Install Custom RPMs](#)
- [How to Set Up a Third-Party RPM Repository with GPG Signatures](#)

## Content by label

There is no content with the specified labels



- [How to Set or Unset RPM Management](#)
- [RPM Installation Failures](#)
- [Determine Your System's Status](#)
- [How to Build and Install Custom RPMs](#)
- [How to Set Up a Third-Party RPM Repository with GPG Signatures](#)
  
- [Guide to Standardized Hooks - RPM::Versions Functions](#)
- [WHM API 1 Functions - get\\_rpm\\_version\\_data](#)
- [WHM API 1 Functions - list\\_rpms](#)
- [WHM API 1 Functions - edit\\_rpm\\_version](#)
- [WHM API 1 Functions - delete\\_rpm\\_version](#)