

# How to Restart Services

## Overview

- Restart services in the WHM interface
- Restart services from the command line
  - Use the restartsrv script
  - Direct service restart
- Service error logs
- Additional documentation

## Overview

This document describes several methods to restart the services (often daemons) on your server. Daemons are small processes that run in the background of your server.

You may wish to restart a service if, for example, you changed a service's configuration, or if the service experiences problems.

### Important:

If you update your hostname, the system temporarily blocks user access to the following interfaces and services:

- Horde Webmail
- Calendars and Contacts (CalDAV and CardDAV)

The system restores access to these interfaces and services after the hostname update finishes. For more information, read our [Interface Lock Scripts](#) documentation.

### Notes:

- Whenever you change the server's hostname, you **must** use one of the following methods to ensure that all of the necessary system and service changes occur:
  - Use WHM's [Change Hostname](#) interface (*WHM >> Home >> Networking Setup >> Change Hostname*).
  - Call WHM API 1's `sethostname` function.
  - Run the `/usr/local/cpanel/bin/set_hostname` utility as the `root` user.
- If your cPanel & WHM server uses a cloud-based hosting provider, read our [Cloud-Hosted Hostname Solution](#) documentation.

## Restart services in the WHM interface

Unless problems prevent this, you can restart most services in WHM's *Restart Services* interface (*Home >> Restart Services*).

## Restart services from the command line

### Important:

If you use IPv6, the `service network restart` command **will** remove the IPv6 addresses from the network device. To restart your IPv6 configuration after you run the `service network restart` command, you **must** run the appropriate command for your version of cPanel & WHM:

- For cPanel & WHM version 11.52 and earlier, run the `/etc/init.d/cpipv6 restart` command after you restart the network service.
- For cPanel & WHM version 54 and later, run the `/scripts/restartsrv_cpipv6` command after you restart the network service.

## Use the restartsrv script

If a service will not restart from WHM, use the `/usr/local/cpanel/scripts/restartsrv_*` command to attempt to restart the service from the command line.

- When you run this command, replace `*` with the correct value for that service.

- For more information, read our [WHM Scripts](#) documentation.

## Direct service restart

If the `/usr/local/cpanel/scripts/restartsrv_*` script does not restart the service, you can attempt to restart the service directly.

For servers that run CentOS, CloudLinux™, Red Hat® Enterprise Linux (RHEL) 6, or Amazon Linux, run the following command, where `/etc/rc.d/init.d/service` is the path to the service:

```
/etc/rc.d/init.d/service restart
```

For servers that run CentOS 7, CloudLinux 7, or RHEL 7, run the following command, where `service-name` is the service that you wish to restart:

```
systemctl restart service-name.service
```

## Service error logs

If the restart fails, check the service's error log for help to diagnose the issue. Because each service logs its errors differently, check the service's documentation to find the error log's location.

The following table lists common locations for some service's error logs:

Services	Log location	Notes
Apache web server	<code>/usr/local/apache/logs/error_log</code>	Details errors encountered during Apache requests.
<ul style="list-style-type: none"> <li>• BIND nameserver</li> <li>• ProFTP FTP server</li> <li>• Pure-FTP FTP server</li> </ul>	<code>/var/log/messages</code>	
Exim mail transfer agent (MTA)	<code>/var/log/exim_mainlog</code>	Details all Exim transactions.
	<code>/var/log/exim_rejectlog</code>	Details rejected messages and reasons.
	<code>/var/log/exim_paniclog</code>	Details configuration and similar errors.
		<p><b>Important:</b> If this log is not empty, Exim has serious problems and will <b>not</b> run on some distributions.</p>
<ul style="list-style-type: none"> <li>• Courier mail server</li> <li>• Dovecot® mail server</li> </ul>	<code>/var/log/maillog</code>	<p><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.</p>
MySQL database server	<code>/var/lib/mysql/hostname.err</code>	Substitute <code>hostname</code> with your server's hostname.
OpenSSH secure shell service	<code>/var/log/messages</code>	The log file's location depends on the configuration of the <code>syslog</code> service.
	<code>/var/log/secure</code>	
	<code>/var/log/auth</code>	

## Additional documentation

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

- [System User Accounts](#)
  - [Service and Proxy Subdomains](#)
  - [How to Restart Services](#)
  - [Process Restart Exclusion](#)
  - [The cPanel Service Daemons](#)
- 
- [System User Accounts](#)
  - [The cpuser\\_service\\_manager script and the Uvic subsystem](#)
  - [The cPanel Service Daemons](#)
- 
- [System User Accounts](#)
  - [Service and Proxy Subdomains](#)
  - [How to Restart Services](#)
  - [Process Restart Exclusion](#)
  - [The cPanel Service Daemons](#)
- 
- [WHM API 1 Functions - configureservice](#)
  - [cPanel API 1 Modules - Serverinfo](#)
  - [cPanel API 1 Functions - Serverinfo::servicestatus](#)
  - [WHM API 1 Functions - servicestatus](#)
  - [cPanel API 1 Functions - ProxyUtils::proxyaddress](#)