

How to Use cPanel's PowerDNS

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Overview

The [PowerDNS](#) open source DNS server software offers high performance with very low memory requirements. cPanel's PowerDNS implementation reads DNS data from the BIND files and stores DNSSEC data in a SQLite database. This makes cPanel's PowerDNS compatible with most of cPanel's DNS Management tools.

Note:
System files and other online sources may refer to PowerDNS as *pdns*.

Install PowerDNS

To install PowerDNS via WHM's [Nameserver Selection](#) interface (*WHM >> Home >> Service Configuration >> Nameserver Selection*), perform the following steps:

1. Navigate to WHM's [Nameserver Selection](#) interface (*WHM >> Home >> Service Configuration >> Nameserver Selection*).
2. Select *PowerDNS*.
3. Click *Save*.

PowerDNS version

To check your server's PowerDNS version, run the [WHM API 1 installed_versions](#) function. The function's output contains the `powerdns` return, which displays the server's currently-installed PowerDNS version.

DNSSEC

PowerDNS allows you to use DNS Security Extensions (DNSSEC) with your domains' DNS records. DNSSEC adds a layer of security to your domains' DNS records. DNSSEC uses digital signatures and cryptographic keys to validate the DNS responses' authenticity. These digital signatures protect clients from various forms of attack, such as Spoofing or a Man-in-the-Middle attack.

To enable DNSSEC, follow the directions in our [Zone Editor](#) documentation.

Important:
This feature **only** appears in cPanel's [Zone Editor](#) interface (*cPanel >> Home >> Domains >> Zone Editor*) if your system administrator disables DNS clustering **and** installs PowerDNS in WHM's [Nameserver Selection](#) interface (*WHM >> Home >> Service Configuration >> Nameserver Selection*).

Troubleshoot PowerDNS

To troubleshoot PowerDNS further, check the `/var/log/messages` error log.

Additional documentation

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

- [How to Use cPanel's PowerDNS](#)

- [Server Profiles Roadmap](#)
- [How to Use MyDNS-NG](#)
- [How to Set Up Nameservers in a cPanel Environment](#)
- [How to Modify Your Hosts File](#)

- [How To Clear Your DNS Cache](#)

- [How to Use cPanel's PowerDNS](#)
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- [WHM API 1 Functions - addzonerecord](#)
- [WHM API 1 Functions - editzonerecord](#)
- [UAPI Functions - DNS::has_local_authority](#)
- [UAPI Functions - DCV::check_domains_via_http](#)
- [WHM API 1 Functions - has_local_authority](#)