

PowerDNS Authoritative Server to always be ahead of new DNS trends and threats



Scale-up your DNS Hosting

The PowerDNS Authoritative Server is a versatile authoritative server for hosting domain names.

It rapidly serves DNS queries for domain records, helping hosters offer a high-performing authoritative service for their domain customers. PowerDNS Authoritative Server is flexible and scalable to serve individual needs and is the leading DNSSEC implementation used by many of the world's larger domain hosters.

PowerDNS Authoritative Server supports geographical load balancing. It allows to send visitors to the closest content servers in order to distribute the load and traffic across servers and regions. This load balancing improves end-user experience by pointing users to the best server.



A **versatile authoritative nameserver** for hosting DNS records



Responds rapidly to recursive nameservers and offers a high-performing authoritative service to domain customers



Flexible and scalable to serve individual needs



Domain management with ZoneControl



The **world's leading DNSSEC solution**



Support for the various databases used by the world's largest domain hosting companies

Highly scalable to serve individual needs and large hosting deployments

Lightning Stream – S3 Synchronization for LMDB Backends

The Authoritative Server comes with Lightning Stream, a feature which synchronizes each Authoritative Server's local LMDB DB with all other Authoritative Servers and supports multi-primary architectures.

Based on LMDB backends, Lightning Stream provides speed and scalability through enabling one-way or two-way replication for efficient data transfers between authoritative instances in different data centers. In turn, it also eliminates the requirement for complex and expensive hot standby primaries, as well as fragile zone transfers.

LMDB with Lightning Stream is the default backend for cloud-native deployments of the Authoritative Server using PowerDNS Cloud Control.

The world's leading DNSSEC implementation

PowerDNS Authoritative Server is the world's leading DNSSEC implementation and is used by many of the world's largest domain hosting companies. It gives customers easy "one-click signing" and supports all major databases, including but not limited to MySQL, PostgreSQL, SQLite and plain text files. Operators can script DNS answers for dynamic redirection or real-time intervention with a variety of languages such as Lua, Java, Perl, Python, Ruby, C, and C++.

Domain management with ZoneControl

ZoneControl is our graphical web-based interface for managing domains. It provides all the features necessary to manage a large number of domains. In addition, it provides "one-click" DNSSEC. It allows role-based access so specific persons or departments can manage specific domains. ZoneControl also includes version and history management to smoothly revert changes. Reports and stats let you keep track of trends and provide a simple way to analyze your authoritative performance.

