

PowerDNS Recursor

to speed up your customers' experience



For a fast and secure internet experience

Internet service providers who use PowerDNS Recursor provide a fast and secure internet experience to their subscribers.

This exceptional internet experience also extends to subscribers' personal devices like laptops, tablets, mobile phones, and the many IoT devices so prevalent in households around the world today.

Our high-performance caching name server delivers reliable DNS service and provides the flexibility modern DNS deployments require. It comes with a variety of DNS protection features that provide security for both providers and subscribers. You can trust our experience; we power DNS resolution for hundreds of millions of subscribers.



High-performance, low latency DNS resolver



Dynamic protection against subscriber originated issues, runaway traffic, and DoS attacks



Automated reports and dashboards provide details of important KPIs



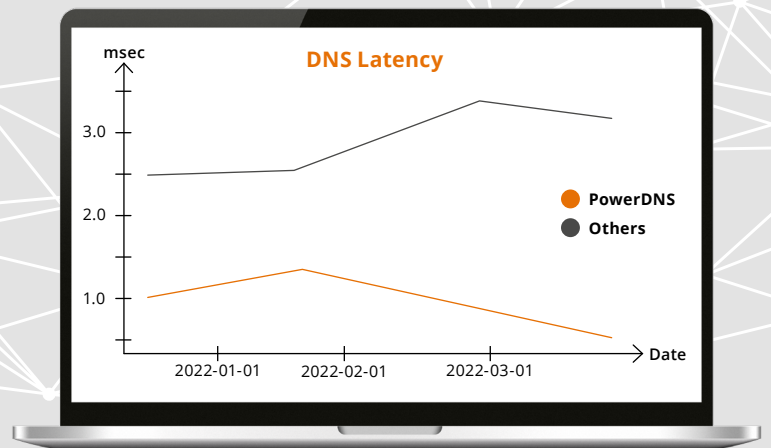
Reliable DNS service provides the power and flexibility modern DNS deployments require



Tools to manage large-scale automation and deployments

Superior DNS performance

- State-of-the-art low latency DNS resolution for subscribers
- Delivers for the ultra-low latency, high device-density needs of IoT
- Performance comparisons on equivalent hardware shows PowerDNS outperforms competitors
- Our Professional Services Team measures and analyses performance to fine-tune deployments



PowerDNS for 5G networks

5G networks aim to improve bandwidth, significantly reduce latency, and achieve specific goals for new services such as VR/AR.

This requires wholesale architectural changes to move to an SDN/NFV-based network. Typical centralized legacy DNS deployments do not support 5G latency targets or architectural requirements.

PowerDNS supports 5G-optimized DNS requirements:

- Deployment at the edge of the 5G network for ultra-low latency
- Virtualization, orchestration, and control panel functions for monitoring, deployment automation, and configuration management
- High localized cache-hit ratio and CDN support
- DNS privacy with DoH and DoT encryption and qname minimization
- IoT device protection to prevent malicious activities and detect infected devices

Security for today and the future

- Malware filtering, detection, and blocking
- Subscriber notifications and block-pages
- Protects DNS infrastructure from DoS-like attacks
- Lua scripting for individual and customized protection
- Detect, block, and alert on infected IoT devices
- PowerDNS Protect: Safe browsing and family protection

Key benefits at a glance

- High performance, low latency, fully flexible DNS resolver
- Reliable DNS service provides the power and flexibility modern DNS deployments require
- Malware protection for subscribers
- Infrastructure security for operators
- Automation and control tools for smooth operations
- Reports and notifications for performance monitoring
- Migrates from a wide range of other DNS platforms for a completely safe and validated transition
- Customer-friendly licensing with a "per subscriber" pricing model
- Outstanding support and maintenance from PowerDNS developers

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