

PowerDNS **ZoneControl**

Centralized DNS Management. Secure. Efficient. Scalable.

The Challenge

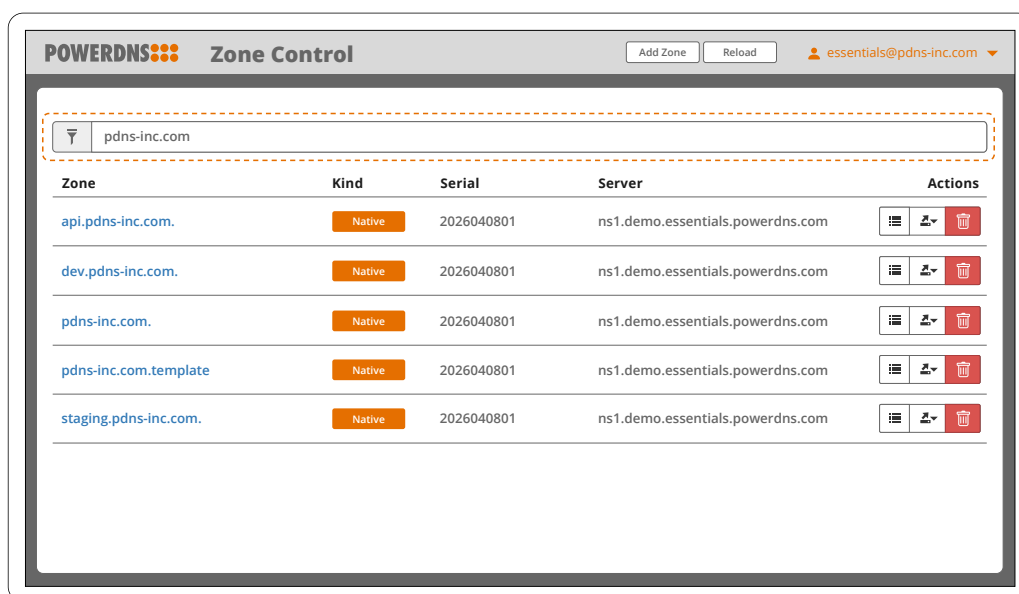
Managing DNS infrastructures at scale requires more than editing individual zone files. Organizations operating hundreds or thousands of DNS zones need centralized administration, consistent workflows, delegated access, DNSSEC management, and complete visibility into every change.

Traditional DNS management often relies on manual configuration, command-line tools, or custom scripts, making operations time-consuming, error-prone, and difficult to audit. Modern DNS operations demand intuitive management, automation, and secure collaboration across teams.

The Solution

PowerDNS ZoneControl is a web-based DNS management platform for PowerDNS Authoritative Server. It simplifies the administration of DNS zones through a centralized interface while providing secure access control, integrated DNSSEC management, scheduled changes, and complete auditability.

Designed for organizations managing anything from a few domains to large enterprise or service provider DNS infrastructures, ZoneControl streamlines daily DNS operations and improves both operational efficiency and security.



Key Capabilities

Centralized DNS Management

Manage DNS zones across one or multiple PowerDNS Authoritative Servers from a single, intuitive interface. Powerful search, filtering, and centralized administration simplify the management of large DNS environments while improving operational efficiency.

- ✓ Centralized zone management
- ✓ Multi-server administration
- ✓ Powerful search and filtering
- ✓ Unified DNS operations
- ✓ Scalable management for large domain portfolios

Intuitive Zone Editing

Create, edit, and maintain DNS records using guided workflows that reduce configuration errors and simplify day-to-day administration. Operators gain clear visibility into DNS records, TTL values, and zone configuration without relying on command-line tools.

- ✓ Easy record creation and editing
- ✓ Clear overview of DNS records
- ✓ Reduced configuration errors
- ✓ No command-line interaction required

Automated DNSSEC Management

Enable and manage DNSSEC directly from the user interface for improved DNS integrity. ZoneControl simplifies DNSSEC deployment with one-click activation while supporting flexible key management and clear status information for every zone.

- ✓ One-click DNSSEC enablement
- ✓ Flexible KSK/ZSK management
- ✓ Clear DNSSEC status indicators
- ✓ Simplified DNSSEC operations

Role-Based Access Control

Delegate DNS administration securely across teams and departments using granular role-based permissions. Users only see and manage the zones they are authorized to access, enabling secure collaboration without compromising operational control.

- ✓ Role-based permissions
- ✓ Granular zone access
- ✓ Secure delegation
- ✓ Controlled operational access

Scheduled DNS Changes

Automate planned DNS updates by scheduling changes in advance. This enables organizations to prepare maintenance activities, migrations, and service launches while ensuring that updates are executed consistently and at the intended time.

- ✓ **Scheduled DNS changes**
- ✓ **Simplified maintenance windows**
- ✓ **Automated execution**
- ✓ **Reduced operational effort**

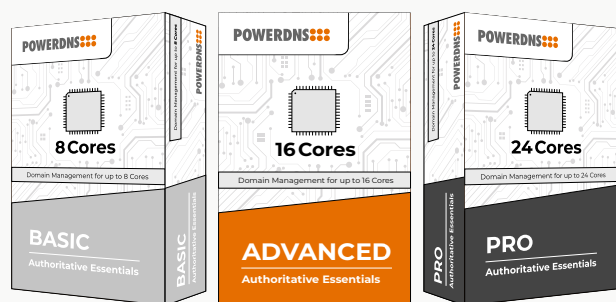
Change Tracking & Auditability

Maintain complete visibility into DNS changes with built-in version history and audit capabilities. Operators can review modifications, identify who made each change, and review previous changes when necessary.

- ✓ **Complete change history**
- ✓ **Version tracking**

Part of PowerDNS Authoritative Essentials

PowerDNS ZoneControl is included with *PowerDNS Authoritative Essentials* – a standardized, enterprise-grade solution that combines the PowerDNS Authoritative Server, ZoneControl, built-in DNSSEC, and commercial support into a single subscription. PowerDNS Authoritative Essentials provides everything organizations need to deploy and operate a secure, high-performance authoritative DNS infrastructure with simplified domain management and professional support directly from the PowerDNS engineering team at an affordable entry price point.



- ✓ **High-performance PowerDNS Authoritative Server**
- ✓ **ZoneControl for centralized domain and zone management**
- ✓ **Built-in DNSSEC support**
- ✓ **Commercial support with SLAs**
- ✓ **Enterprise-ready, standardized deployment**
- ✓ **Single subscription for software and support**
- ✓ **Affordable entry price point**

Key Benefits at a Glance



Centralized DNS management



Scheduled DNS changes



Intuitive web-based administration



Multi-server management



One-click **DNSSEC** management



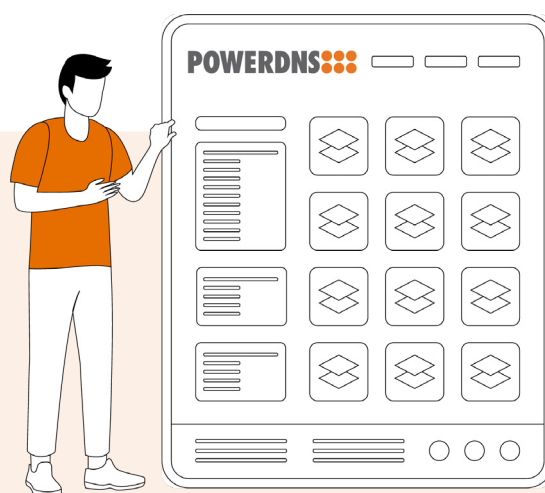
Enterprise-ready scalability



Role-based access control

Ready to Simplify DNS Management?

Discover how PowerDNS ZoneControl centralizes DNS administration, simplifies daily operations, and helps your teams manage DNS securely and efficiently at any scale.



[Contact us](#)

doc.powerdns.com