

4PSA DNS MANAGER

DNS MANAGEMENT AND AUTOMATION



4PSA DNS Manager is a multitenant software automation tool designed to deliver advanced DNS hosting to service providers, businesses, and individuals. 4PSA DNS Manager centralizes zones on a single, fail redundant DNS infrastructure. As online presence of any business relies on a fully functional DNS, 4PSA DNS Manager simplifies the management of this mission critical Internet resource.

Hosting Providers DNS Issues

Small providers usually overlook DNS management and reliability issues, although DNS is required by most Internet services. While modern hosting control panels integrate some DNS management areas, they provide only basic DNS features and no redundancy.

Because in many cases all nameservers on a domain point to the same physical server, when this machine becomes unavailable, DNS zones do not resolve anymore, emails are lost, search engine spiders cannot find the domain, etc.

Secondary DNS Servers

Many providers use at least a secondary DNS server in order to replicate zones and increase reliability, but due to the dynamic nature of the hosting business (domains are added and deleted daily), the slave server introduces management problems. Administration of slave servers usually turns into a nightmare.



The web based management interface is customizable. Users can change the skin, language, logos and they can even hide 4PSA copyright notices with the whitelabel license support.

4PSA DNS Manager Helps your Business Scale

All Internet Service Providers deal with DNS records used by modern applications, IPv6, DNS load balancing, redundancy, and management issues. For small hosting providers, DNS problems start when they commission the second hosting server and realize that a hosting control panel is not able to provide centralized DNS management.

Over 3,500 providers rely on 4PSA DNS Manager to solve DNS management shortfalls and to speed-up the delivery of applications that would have required many hours of work.

Product highlights

- DNS hosting consolidation
- Automatic DNS replication
- DNS load balancing
- Multitenant architecture based on permissions and limits
- Allows DNS end users to modify zones
- Can provide redundant, geographically distributed DNS hosting
- Automatic infrastructure monitoring
- Global DNS zone changes based on sophisticated criteria

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www.4psa.com/dnsmanager

ADVANTAGES

Small Hosting Providers

can deploy 4PSA DNS Manager with minimal costs on virtualized environments. It helps providers scale from day one, as it eliminates DNS downtimes and automates DNS management operations.

Larger Hosting Providers

can get multiple 4PSA DNS Manager servers to increase reliability and manage over 100000 zones. DNS synchronization with hosting control panels is performed automatically.

Internet Service Providers

can allow customers to access the 4PSA DNS Manager web interface and to manage their DNS zones. Customer satisfaction is greatly increased and operational costs reduced.

Internet Telephony Providers

can manage their ENUM infrastructure in a very fast and convenient way.

Data Centers

can offer DNS hosting services to customers without increasing operational costs. 4PSA DNS Manager's architecture allows these customers to disable the DNS server on their hosting machines, synchronize them with the Data Center DNS hosting infrastructure, and yet let their end users create, delete, and edit zones in any hosting control panel interface. All changes made replicate to the Data Center powerful DNS infrastructure in minutes. Advanced services as DNS load balancing can be easily delivered.

Scalable and Customizable

4PSA DNS Manager is multitenant by design, which means that a single deployment can serve thousands of customers. Service providers can setup utilization limits and permissions in order to define DNS hosting plans. The product allows integration with third party applications (like customer areas or DNS registrars) using the available SOAP API and CLI.

System management

- Multitenant software architecture for DNS hosting
- Web based management interface
- Hierarchical management with two levels of control (admin, client)
- Account separation with individual permission and limits
- Customizable, skin and language pack based interface
- Dump and import client preferences
- Dump and import zones using the web interface

Reliability and scalability

- High Availability ready
- Virtualization ready with Virtuozzo, OpenVZ, and VMware integrations
- Zones stored in SQL and replicated to DNS file system storage
- Automatic monitoring and intervention
- SOAP API for integration with third party applications

Operating system compatibility

- RedHat Enterprise Linux Server 5 (i386/x86_64)
- RedHat Enterprise Linux (AS/ES) 4 (i386/x86_64)
- RedHat Enterprise Linux (AS/ES) 3 (i386)
- CentOS 5.x (i386/x86_64)
- CentOS 4.x (i386/x86_64)
- CentOS 3.x (i386)
- Suse 10.3 (i386)

DNS centralization

- Automatically update zones from hosting servers
- Remote update location management
- Remote update location prioritization
- SSL encrypted and password secured remote updates
- Automatic synchronization of zone names (masters and slaves)
- Detection of unavailable remote update sources
- Zone locking to update source

Hardware requirements

- Server with 2Ghz or faster Intel x86 CPU
- Minimum 512Mb of RAM
- Minimum 36Gb HDD, RAID recommended
- 100Mbs network interface
- No installed operating system is required

DNS administration

- Supports NS, A, CNAME, MX, TXT, PTR, SRV, NAPTR, AAAA resource record types
- Forward and reverse DNS zones
- ENUM zones supported
- Automatic management of round-robin records for DNS load balancing
- Management of SOA settings at client and zone level
- Classless DNS delegation
- Non-continuous reverse zones
- Mass changes of selected DNS zones
- Multiple automations simplify DNS zone record management
- Check the availability of a nameserver
- Automatic insertion of glue records on DNS zones
- SPF records generation tools
- Template based zones generation

About Rack-Soft

Rack-Soft specializes in development and integration of server level software that supports major operating systems and platforms. The company delivers solutions that help service providers and enterprises control their infrastructure, automate processes, and improve communications.

The organization implements a quality management system certified by TÜV CERT.

Contact us at sales@4psa.com or by phone at **646-957-8997 (US)**.

For more information about 4PSA DNS Manager please visit: <http://www.4psa.com/dnsmanager>

For partnership opportunities check the Partnership Programs: <http://www.4psa.com/partners/>