

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 and businesses. 4PSA DNS Manager centralizes zones on a single, fail redundant DNS infrastructure. As the online presence of any business relies on a fully functional DNS, 4PSA DNS Manager simplifies the management of this mission-critical Internet resource.

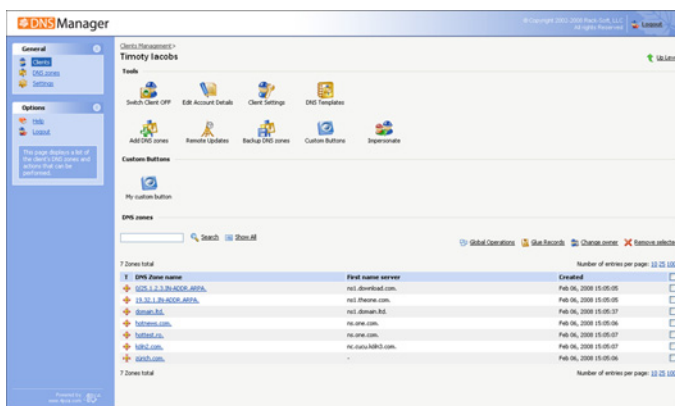
Hosting Providers' DNS Issues

Small providers usually overlook DNS management and reliability issues, though 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 systems.

Because in many cases all name servers 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

Most service providers use at least one 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. The administration of slave servers usually turns into a nightmare.



The web based management interface can be easily customized. Users can change the skin, language, logo and they can even hide 4PSA copyright notices using the white-label license support.

DNS Manager Helps your Business Scale

All Internet Service Providers have to 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 server and realize that their 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 their 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

 **DNS Manager**

CLOUD CALLING

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 100,000 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 fast and convenient way.

System Management

- Multitenant software architecture for DNS hosting
- Web based management interface
- Hierarchical management with two levels of control (administrator and client)
- Account separation with individual permissions and limits
- Easy to customize as the interface is based on skin and language packs
- 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
- The zones are stored in SQL and replicated in the 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)
- CentOS 5.x (i386/x86_64)
- CentOS 4.x (i386/x86_64)
- Suse 10.3 (i386)

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's DNS hosting infrastructure, and still let their end-users create, delete, and edit zones from any hosting control panel interface. All changes made are replicated in the Data Center's powerful DNS infrastructure in minutes. Advanced services, like 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 (for example customer area) using the available SOAP API and CLI.

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 2 GHz or faster Intel x86 CPU
- Minimum 512Mb of RAM
- Minimum 36 GB 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
- Automation on multiple levels simplifies DNS zone record management
- Checks the availability of a name server
- Automatic insertion of glue records on DNS zones
- SPF records generation tools
- Template based zones generation

About Rack-Soft

Rack-Soft is an innovative software vendor specialized in applications that run on computer clouds. The company uses the proprietary 4Grid framework to build Unified Communications solutions that replace traditional telecom services and devices with a cloud based model.

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/>