

# 4PSA DNS MANAGER

## DNS MANAGEMENT AND AUTOMATION



DNS Manager is a multitenant software automation tool designed to deliver advanced DNS services to hosting providers and businesses. DNS Manager centralizes zones on a single, fail redundant DNS infrastructure. 4PSA's solution simplifies the management of this mission critical Internet resource.

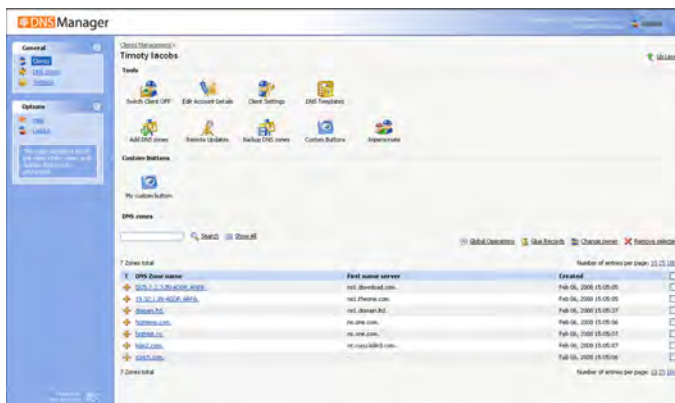
### Hosting Providers' DNS Issues

Small providers usually overlook DNS management and reliability issues, though DNS is required by most Internet services. DNS Manager can do much more than hosting control panels that come only with basic DNS features and no redundancy.

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, leading to massive business loss.

### Secondary DNS Servers

Most service providers use at least one secondary DNS server in order to replicate zones and increase reliability. However, due to the dynamic nature of the hosting business (domains are added and deleted daily), the slave server causes management problems. With DNS Manager the administration of slave servers is dramatically improved and streamlined.



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. Small hosting providers usually come up against DNS problems when they commission the second server and realize that their hosting control panel is not able to provide centralized DNS management.

Over 5,000 service providers and businesses rely on 4PSA DNS Manager to solve DNS management shortfalls and speed up the delivery of complex Internet applications.

### Highlights

- DNS hosting consolidation
- Automatic DNS replication
- DNS load balancing
- Multitenant architecture based on permissions and limits with internal auditing
- 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](http://www.4psa.com/dnsmanager)

 **DNS Manager**<sup>TM</sup>

CLOUD CALLING<sup>TM</sup>

## Small Hosting Providers

can deploy DNS Manager with minimal costs on virtualized environments. It helps their business grow from day one, as it eliminates DNS downtimes and automates management operations.

## Larger Hosting Providers

can get multiple 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 their customers to access the DNS Manager web interface and manage their DNS zones. Customer satisfaction is increased and operational costs are reduced to a great extent.

## Internet Telephony Providers

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

## Data Centers

can offer DNS hosting services to customers without increasing operational costs. DNS Manager architecture allows customers to disable the DNS server on their hosting machines, synchronize them with the Data Center DNS hosting infrastructure, and still let their end-users create, delete, and edit zones from any hosting control panel interface. All such changes are replicated in the powerful Data Center DNS infrastructure in just a matter of minutes. Advanced services, like DNS load balancing, can be easily delivered.

## Scalable and Customizable

DNS Manager is multitenant by design, which means that a single deployment can serve thousands of customers. Service providers can set up 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 and CLI APIs.

## 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, packed for Virtuozzo and VMware
- The zones are stored in database and replicated in the DNS file system
- 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)

## 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 RAM
- Minimum 36 GB HDD, RAID recommended
- 100Mbps network interface

## 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 on 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
- Change auditing for compliance
- Template-based zones generation

## About 4PSA

4PSA is an innovative software development company specialized in applications for cloud computing. The 4PSA flagship solution is the VoipNow Platform, a suite of software applications designed to accelerate Unified Communications adoption by businesses and end-users.

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

Contact us at [sales@4psa.com](mailto:sales@4psa.com) or by phone at **888-898-3082 (US)**.

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

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