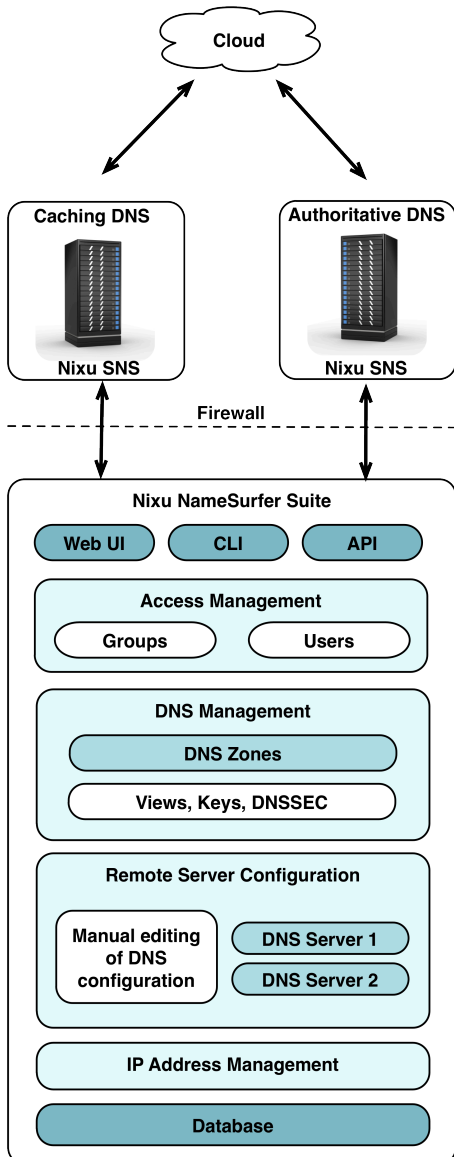


Nixu Secure Name Server (SNS) is a virtualizable DNS software appliance streamlining the operational routines associated with running a DNS service. With automated software update process and support for centralized management via Nixu NameSurfer IPAM, it slashes the Operating Expenses (OPEX) associated with traditional DNS server products.

### Secure and Scalable DNS Server for Your Network

Social media, peer-to-peer networks and IP-everywhere are having a significant impact on the number of DNS queries. This trend is expected to gain further momentum over the coming years, requiring DNS platforms that can be easily scaled up to cope with increasing loads. At the same time, disaster recovery processes in virtualized computing environments rely on DNS, making it perhaps the single most critical network service today. Unlike traditional hardware-based computing appliances, Nixu SNS introduces a new level of platform independence and provides an easily manageable, secure and scalable DNS solution for your network.

### Nixu SNS as Part of an End-to-End Nixu DDI Solution

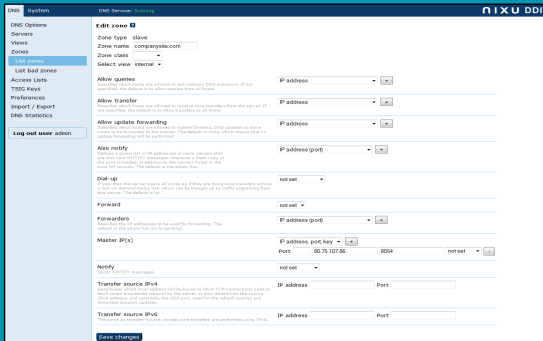


### Key Features

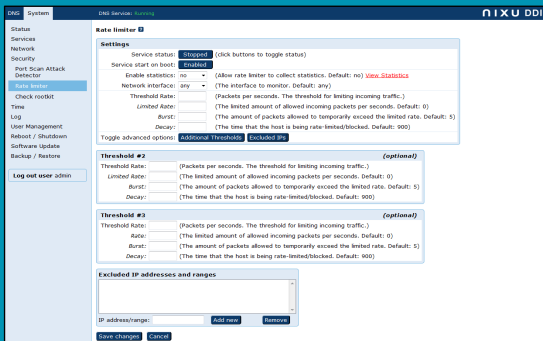
- GUI-based user-friendly management tools reducing OPEX
- Automated validation of DNS configuration
- Functions as authoritative DNS server
- Functions as a recursive DNS server with Access Control
- Functions as DNS forwarder with Access Control
- Support for IPv4 and IPv6
- Support for DNSSEC (NSEC, NSEC3)
- Support for dynamic DNS
- Support for TSIG-secured transactions, NOTIFY, IXFR/AXFR
- Monitoring utility for DNS performance
- Monitoring utility for DNS analytics
- Rate-limiter restricting amount of DNS traffic from individual IPs
- Intrusion Prevention System (IPS) blocking IP addresses generating abnormal traffic
- Support for centralized management via Nixu NameSurfer
- Scales up to 100,000 queries-per-second on a suitable platform
- Distributed as software appliance with hardened Linux OS
- Automated software update and patch management process
- Supports any RHEL-compliant native or virtual x86-based platform
- Certified as VMWare and Citrix Ready

### Key Benefits

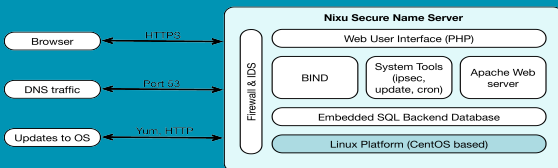
- Jump-start optimized and secure DNS servers in just minutes
- Slash OPEX through automated software updates and centralized management
- Manage DNS service locally via user-friendly GUI or centrally from NameSurfer
- Deploy high-performance DNS platform at a reasonable cost
- Monitor DNS performance and analytics
- Support emerging networking standards (IPv6, DNSSEC)
- Run DNS servers on native and/or virtual x86 platforms
- Ideal solution for cloud computing initiatives with virtualized DNS service



Edit Zones



Rate Limiter



The architecture of Nixu Secure Name Server

### Platform Support

- Citrix XenServer
- VMWare Server & ESX Server
- Any RHEL-compliant x86 server

**Note:** Nixu software continuously develops its products. For the latest information please refer to our website.



## Simplified Management

- Simplify DNS server management process with:
  - user-friendly GUI designed for system management
  - tools and validations for advanced DNS configurations
  - automated log rotation
  - built-in support for syslog forwarding
  - easy backup process managed via GUI
  - patch management with support for automated software updates
- Configure ACLs, intrusion prevention and rate-limiter via simple graphical user interface
- View real-time reports on most active hosts and queried Resource Record (RR) types
- Integrate Nixu SNS with central Nixu NameSurfer to:
  - centralize the management of zone files
  - automate creation of slave zones
  - verify that incremental zone serial numbers on secondary servers are up to date
  - perform DNS server status monitoring and process control centrally
  - view collected DNS analytics centrally
  - monitor DNS performance in real-time

## Increased Security

- Secure access to Nixu SNS with built-in support for SSL and user authentication
- Communicates with Nixu NameSurfer IPAM using signatures and encrypted API connections
- Hardened server design optimized for DNS
- Access Control Lists for restricting queries to authorized networks
- Built-in Intrusion Prevention System (IPS) blocking abnormal network traffic
- Rate-limiter restricting the amount of DNS traffic from individual IP addresses

## High Availability & Scalability

- Simple backup facilitates quick disaster recovery
- Embedded SQL backend for high performance
- Deploy as high performance DNS server (100,000+ queries per second) on native x86-based hardware
- Deploy as highly available virtual machine in VMWare or Citrix environment
- Monitor DNS performance centrally from Nixu NameSurfer
- Monitor DNS analytics centrally from Nixu NameSurfer