# NameSurfer DNS Management

Data Sheet by FusionLayer Inc.

*NameSurfer® is a traditional IPAM solution implemented as the centralized DNS, DHCP, and IPAM (DDI) management overlay. Run by thousands of organizations worldwide, it is the IPAM overlay of choice for traditional network environments leveraging Microsoft AD and BIND-architectures.*

# IP Address Management Slashes OPEX

IP Address Management (IPAM) is an integral part of network management and planning processes. However, network management becomes tedious without a transparent real-time view of blocks, subnets, and individual IP addresses, slowing down change requests and accurate tracking of network use.
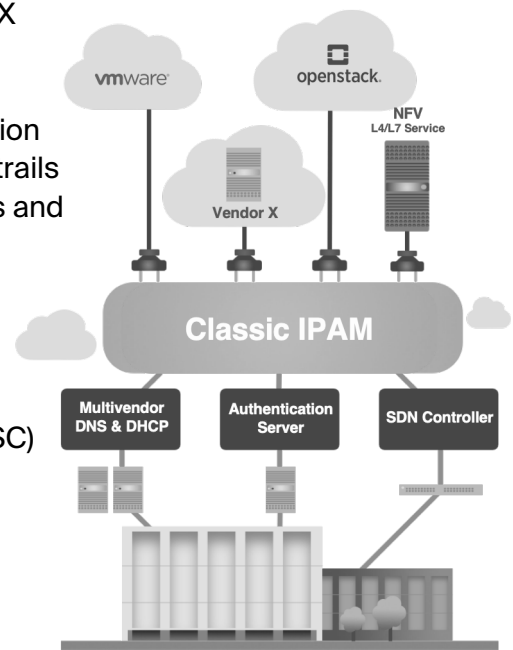
NameSurfer is a proven solution for DNS, DHCP, and IP Address Management. Thanks to its robust architecture and management automations, it allows organizations to slash the lead times for change requests and gain real-time visibility into one's network resources usage.

## Feature at Glance:

- Management automations designed to reduce OPEX
- Web-based thin client architecture with native SSL support
- Granular user management functionality for delegation
- Supports centralized user authentication with audit trails
- Scales up to hundreds of thousands of IP addresses and zones
- Full support for IPv4, IPv6, and DNSSEC
- Network-based API with granular access privileges
- Available as hot-standby replicated server pair for HA
- Supports DDI servers (FusionLayer, Microsoft and ISC)
- Certified as VMware and Citrix Ready

## Key Benefits:

- Slash the IPAM OPEX by up to 90%
- Support IPv6 and DNSSEC out of the box
- Supports multi-vendor environments
- Become immune to hardware failures by virtualizing IPAM
- Simplify the provisioning of new virtual machines
- Monitor and analyze DNS and DHCP performance centrally
- Support RHEL-compliant x86-based platforms

## Simplified Management:

- The central dashboard provides a one-stop:
  - View of subnets, zones, and server performance
  - Search tool for all DDI data
- Auto-sync of live DNS, DHCP, and IPAM data
- Track IP space and network resources in real-time
- IPAM tools for IPv4 and IPv6 network management:
  - Embedded bitmask calculator
  - Simple subnet-DHCP server binding
  - Simple subnet-zone binding
  - Merge and split subnets on the fly
  - Drop-down menus listing free IP addresses
  - Subnet use and allocation reports
  - IP use and allocation reports
  - Multiple graphical report views on IP space
  - Fully configurable fields, values & display preferences
  - Import / export in CSV format
  - IP sweeps for locating clients
- Seamless integration with Microsoft DNS, DHCP, and LDAP
- Bulk data changes with ease
- Automate DNS management process with ease
  - Slave zone creation
  - Zone serial incrementing
  - Reverse entries
  - Validation and consistency checks
  - Pre-filled data entries from templates
- Delegate IPAM process by leveraging
  - Automations
  - Flexible user privileges
  - Pre-configured templates
  - Predetermined values from drop-down menus

## Increased Security

- Built-in support for SSL and AAA
- Deploy as a hidden server only interacting with integrated
- DNS and DHCP servers
- Use SSH and shared secrets for all DDI server communications
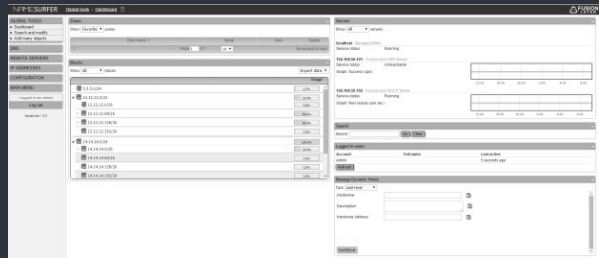- Supports DNSSEC with NSEC, NSEC3 & automated key rollovers

## High Availability & Scalability

- Automated online backup of embedded SQL database
- Deploy as a hot-standby replicated server pair
- Deploy as a highly available virtual IPAM overlay
- Scales up to hundreds of thousands of IPs & zones

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## Platform Support

- Citrix XenServer
- VMware Server & ESX Server
- Any RHEL-compliant x86 server
- Software binary for Linux platforms
- Software binary for SPARC/Solaris
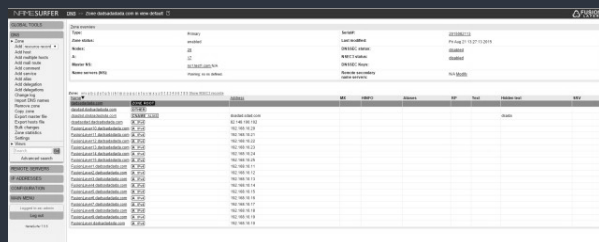  platforms



Global Toolset - Dashboard

## Top DNS RFCs Supported

1034, 1035, 1183, 1706, 1876, 1912, 1945, 1982,
1995, 1996, 2136, 2317, 2671, 2672, 2673, 2782,
2845, 2854, 2874, 3007, 3225, 3226, 3363, 3364,
3402, 3596. 3645, 3761, 4033, 4034, 4035, 4470,
4592

## Remote Server Support

- FusionLayer DNS, DHCP & Discovery Servers
- Microsoft DNS, DHCP Servers
- Nominum Servers
- Bind & NSD
- Secure 64 DNS Product Family

*Note: FusionLayer, Inc. continuously develops
its products. For the latest information, please
refer to https://www.fusionlayer.com*



DNS Menu - Zone Overview

## About FusionLayer

Managing complex corporate and telecom networks is a challenge where the cost of failure is enormous. FusionLayer collates all network information into a single Network Source of Truth, accessed securely by both engineers and automation to eliminate the chance of network downtime – on-premise, at the edge, and in the public cloud. This provides our customers with reassuring real-time information, so their digitalized operations can connect 24x7x365.