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Name Commander™

Centralized DNS Management System

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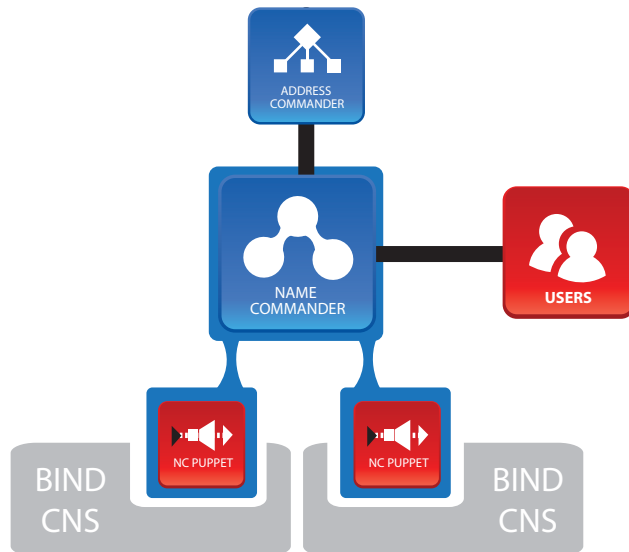
Global DMS Management System with Centralized Web-based GUI

Name Commander™ is a DMS management system with a centralized web GUI to manage large numbers of BIND.

It automatically populates zone, resource record, and configuration data in real time across a constellation of DMS servers.

Through pre-configured diagnostics checks, extensive error-checking and auditing tools, Name Commander ensures that domains follow strict standards. It improves the consistency, quality, and integrity of network and Internet data across millions of domain records and hundreds of thousands of zones. With Name Commander, you can minimize the cost of DMS administration while driving sustainable competitive advantage to your business.

Name Commander is suitable for integration into new or existing DMS environments. It also integrates with back-office applications and Incognito's Address Commander™ IP Address Management (IPAM) solution to manage the complete IP address lifecycle.



Features

High Security

Comprehensive security includes login protection; access control lists (ACLs) for domains, zones, and records; and auditing to track historical changes and user-initiated sessions. User activity can be further restricted by assigning different levels of roles from the highest level privileges with full administrative access to the lowest entity-level user privileges with domain self-management functionality.

Support for IPv4 and IPv6

Name Commander's infrastructure is designed to support both IPv4 and IPv6 resource records. The features and functionalities associated with the new IETF protocol are now available for implementation.

HIGHLIGHTS

- Improve tracking of IP space and routing of network entries
- Automatically capture DHCP network configurations and regional deployments
- Provision static addresses directly from Address Commander
- Access network information and manage your IP space anytime anywhere
- Streamline searching of IT assets
- Track and report your space utilization, get a network centric view of your devices
- Keep on top of your RIR reconciliation to ensure expedient future allocations
- Automatically synchronize IP management changes with DMS systems
- Allow local administrators to provision available blocks via an End User Portal
- Seamlessly integrate with OSS
- Import your data into a centralized IPAM operation
- Proactively audit user sessions and assign security roles
- Scalable architecture allows incremental deployment of IPAM components on one or many machines
- Initial Support for IPv6

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Time-saving GUI

A web browser-based GUI includes wizards, forms, and templates to speed up record creation and editing, and also to minimize errors or incomplete data. It automates editing for network-wide changes using Policies and Templates, and facilitates quick import of zones, records, and security data from other DMS systems. The Name Commander interface displays domain data according to your needs – by customer, corporate division, administrator, or other entities in the system. It also allows domain searches by name, description, serial number, zone type, policy, owner, or create/modify time. Color codes indicate which records are configurable and which are inherited from a local or global policy.

Create Record for Template: Standard Template ← ?
Back Help

▼ Resource Record SAVE CREATE ANOTHER

Name: .<Domain Name>

Type:

Class:

Description:

Visibility: Internal External Global Inherited(Global)

Total Time To Live: Days Hours Minutes Seconds

Data Syntax:

Data Description:

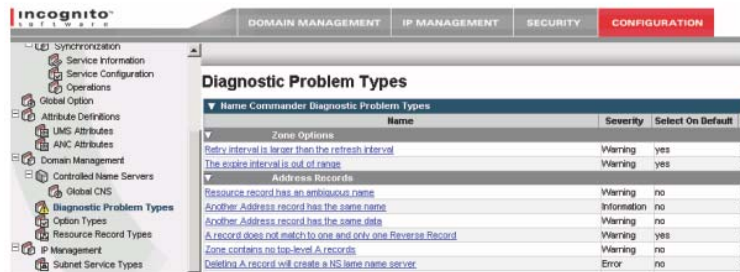
IP Address: * [Select IP](#)

Multi Server Management

Name Commander centrally manages many Controlled Name Servers (CNS), including BIND servers based on operator-defined policies. With a multi-server management architecture, Name Commander can perform network-wide changes across thousands of records with a click of a mouse.

Diagnostics and Auditing

Name Commander's diagnostic and auditing tools minimize server downtime. The diagnostic systems prevent users from pushing out zones that will cause an error in the DMS system, ensuring that strict standards are met. For example, the tools will enforce that forward records have corresponding reverse record mappings to eliminate errors such as DMS spoofing.



The screenshot shows the 'Diagnostic Problem Types' section of the Name Commander interface. It features a table with columns for Name, Severity, Select On Default, and a checkbox. The table lists various diagnostic rules such as 'Zone Options', 'Refresh interval is larger than the refresh interval', and 'The expire interval is out of range'.

Name	Severity	Select On Default	Is
▼ Name Commander Diagnostic Problem Types			
▼ Zone Options			
Refresh interval is larger than the refresh interval	Warning	yes	ye
The expire interval is out of range	Warning	yes	ye
Address is not in zone	Warning	no	nc
Resource record has an ambiguous name	Information	no	nc
Another Address record has the same name	Warning	no	nc
Another Address record has the same data	Warning	yes	nc
A record does not match to one and only one Reverse Record	Warning	no	nc
Zone contains no top-level A records	Warning	no	nc
Deleting A record will create a NS lame name server	Error	no	ye

Automatic Management of DDNS and Slave Zones

Through the Synchronization Service (SS), Name Commander automatically captures the addition and deletion of DMS records by the DHCP server so that users can view the updates dynamically from the Web Management Console. It also captures the synchronization of zones between the master (primary) DMS server and slave (secondary) servers so that users would not be required to access each name server and manually record updates.

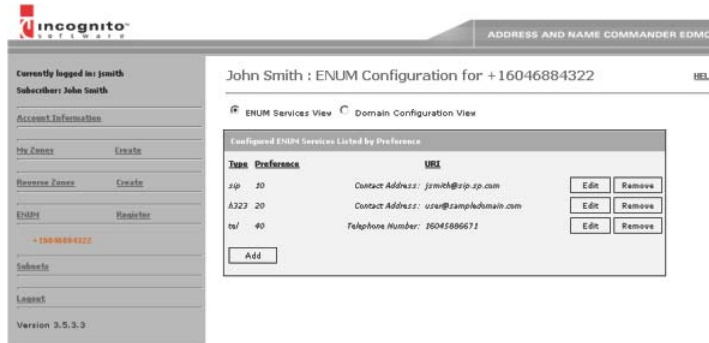
Seamless Back-office and IPAM Integration

Name Commander supports full featured CORBA and Java SDK APIs to enable back-office integration. It also seamlessly integrates with Incognito's Address Commander IPAM solution to perform auditing, diagnostic and configuration of related DMS information directly from one management console. The integration enables automatic configuration of hostnames, in-addr.arpa zones, PTR records and classless delegations. These changes are diagnosed for DMS accuracy and they are automatically synchronized between your IPAM and DMS servers.

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Domain Self-management Using the Customer Portal (optional)

With the optional End User Domain Management Console (EDMC) Customer Portal, Name Commander enables business customers to securely self-manage domains and resources with granular control.



Scalable, Distributed Implementation Architecture

Name Commander's DMS management components can be installed on one centralized machine or multiple units for load distribution. Due to the system's scalability, Name Commander's deployment can range in scale to manage as many name servers as required.

ENUM Management (optional)

Name Commander simplifies the management of DMS ENUM resource records, ensuring the costs saved through VoIP peering are not eroded in the operations and time spent on managing your DMS services. The system uses built-in wizards to specify the endpoint destinations and simplify the management of ENUM zones and records.

Specifications

Required elements include at least one Controlled Name Server (CNS), JSP packages on web servers for the Web Management Console (WMC), servers for the User Management Service (UMS), Central Database (Oracle or PostgreSQL), the Name Commander Synchronization Service (NCSS), and BIND 9 Puppet Service.

The services can be installed on one centralized machine or multiple units to enable load distribution, except for the NCSS and CNS components that must be deployed on separate machines.

Due to the system's scalability, Name Commander's deployment can range in scale. Download the Hardware Specifications list for details and contact Incognito for larger scale installations.

Interfaces

- CORBA
- Java API development toolkit (included)

Minimum Operating System Requirements*

- Windows 2000, 2003, XP (Server Edition), Debian 3.1, Red Hat AS 4.0, ES 4.0, Solaris 8 / 9 / 10

Central SQL Database

- Oracle 9.2.0, 10.1.0, 10.2.0
- PostgreSQL 8.1 (automatically installed on Linux OS)

DNS Support

- BIND 9, BIND 8 (using Import Wizard)
- Incognito DNS Commander name server

Minimum Server Requirements*

- Disk Space: 20 GB
- CPU Speed: Pentium 4 2.0 GHz or equivalent, Solaris UltraSPARC-IIi Processor
- RAM: 1GB

Minimum Client Requirements

- Internet Explorer 6.0 +
- Mozilla / Firefox 1.4 +

Web Service (automatically installed)

- Jakarta-Tomcat 5.5.17 Web Server
- Java Run time environment (JRE) 1.4.1_02 and Jacob 2.3

Java API

- Java Run time environment (JRE) 1.4.2 and Jacob 2.2

* Specifications are minimum requirements for a small installation of Address Commander on a single machine. Please note that for large deployments, Address Commander can be distributed over multiple machines, including a dedicated Database and Web Server. For the most up-to-date information, please refer to product release notes. Note that hardware processing power influences overall system performance.