

## Managed Internal DNS Service

### Local Resolution Global Management from the DNS Experts.

#### DNS/DHCP: An Increasingly Complex Infrastructure

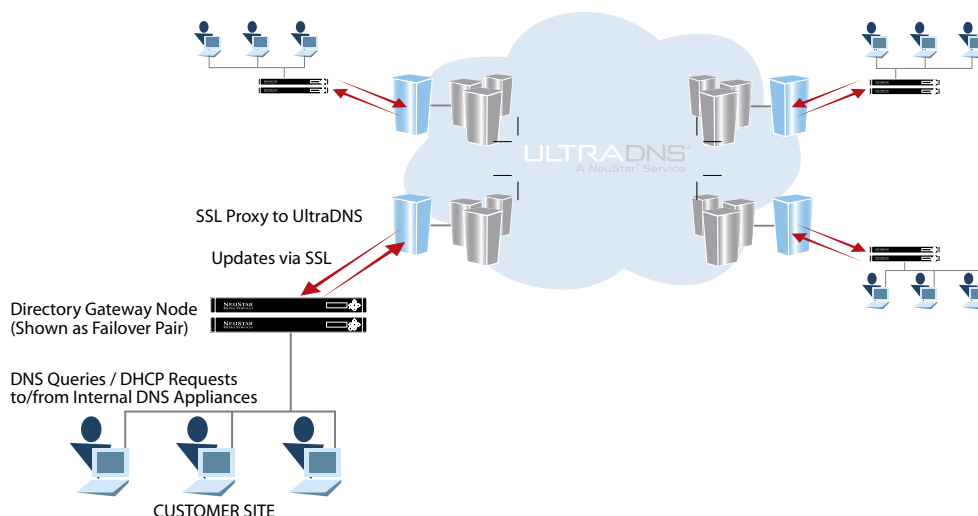
With the convergence of geographically distributed IT infrastructures like VoIP, Active Directory, Wi-Fi and messaging, internal DNS /DHCP infrastructure is under greater demand than ever. And, without DNS/DHCP, users can't access mission-critical Services rendering their time, and your technology resources, useless. The diversity found in DNS/DHCP environments creates even more complexity often spanning across multiple administration groups and departments.

Today's IT departments are challenged with shrinking IT budgets, inexperienced staff and high turnover of manpower leading to longer response times for resolving complex DNS/DHCP infrastructure issues. Organizations that have deployed commercially available BIND-based products for DNS/DHCP management find that these solutions are limited in scalability, security and ability to centrally manage the DNS infrastructure reliably. As organizations increasingly become dependent on DNS and DHCP services, there is a need for a scalable, secure and cost effective solution to manage mission critical services.

#### Local Resolution. Global Management

NeuStar has leveraged its expertise in delivering its Managed External DNS Service to the leading e-commerce and Fortune 1000 companies to provide customers with a comprehensive Managed Internal DNS Service with integrated DHCP functionality. The Managed Internal DNS service leverages NeuStar's UltraDNS Global Directory Platform to provide highly secure, flexible, and scalable DNS/DHCP data management through the same web-based management portal used to administer the external DNS service.

With the UltraDNS Directory Gateway Appliances deployed within your internal network, DNS/DHCP resolution is provided locally, minimizing latency and maximizing reliability of service. Through this combination of global data management and local resolution, NeuStar can help you reduce the overall costs of managing mission critical DNS and DHCP services, while increasing performance and scalability.



### KEY BENEFITS OF Managed Internal DNS

- Industry's first Managed Internal DNS/DHCP Service
- Local service delivery through hardened failover appliance "nodes"
- Proactive Support: monitoring, notifications and hardware replacement
- Unrivaled performance and scalability
- Secure, non-BIND solution
- Powerful DNS/DHCP management tools
- Cost Effective: Lower hardware, software, training and support costs



### The UltraDNS Directory Services Platform

The foundation for UltraDNS solutions, including Managed Internal DNS Service, is the Directory Services Platform — a combination of patented, proprietary technologies and innovations that together provide high reliability, availability, performance and security. The UltraDNS fault-tolerant, redundant global network provides fast and reliable resolution for any business globally. The Directory Services Platform provides a central point for all DNS/DHCP data management needs for your organization.

The DNS/DHCP data is replicated across the Directory Services Platform to ensure global availability; UltraDNS proprietary Directory Gateway Appliances are used to supply data where it is needed most within your organization's firewalls. The Appliances maintain a local replica of your organization's data synchronized with the Directory Services Platform; this replication mechanism allows your DNS and DHCP data to be available anywhere in your organization on demand. Scalability is as simple as adding another node; whether it's in an existing location or a completely new one.

### UltraDNS Managed Services Support Model

All Directory Gateway Appliances are shipped as failover pairs (two appliances for every node) to avoid service outages due to hardware failure. By using the Directory Services Platform as a centralized platform for data security, storage and management, you can rest assured your data is safe, secure and always available. Because all appliances "check in" with the Directory Services Platform, UltraDNS can proactively monitor all appliances in your network and notify you if/when problems occur. If the problem is one of our appliances, we troubleshoot and if necessary, replace it at no cost – one of the real benefits of a managed service.

### The UltraDNS Data Management Portal

Our user friendly web-based management portal provides consolidated management interfaces for Internal and External DNS services. A powerful set of DNS/DHCP management tools simplify administration and configuration including any appliance-specific tasks such as automatic software update scheduling, appliance monitoring review and local recursive Access Control List (ACL) configuration. The management portal allows you to have centralized control of your network while delegating to local IT through role-based access.

### The UltraDNS Competitive Pricing Model

Managed Internal DNS Service pricing is based on the number of appliances deployed and IP usage. Appliance placement in your environment is carefully analyzed and mutually selected by both your organization and UltraDNS experts who ensure the proper DNS/DHCP infrastructure design to fit your organization's needs and budget.

Our flexible and competitive "Pay As You Grow" pricing model allows you to get started with your optimum solution. Then, as your organization expands, you can simply upgrade your services by either adding appliances at new node locations or by increasing IP usage.

### We Are the DNS Experts

Handling the entire DNS process is what we do better than anyone. NeuStar UltraDNS is a leading global directory infrastructure service provider managing over 20 million domains, or about 20% of the global domain market.

UltraDNS Managed Internal DNS Service combines local resolution and control with the unrivaled performance and scalability of the UltraDNS global network to provide the industry's first managed service to address internal DNS and DHCP requirements behind the corporate firewall. Internal DNS is a non-BIND solution providing protection against security vulnerabilities that can be exploited behind your firewall.

## Managed Internal DNS SERVICE ADVANTAGE

### Reliability & Security

"Hardened" Linux-based Appliance with Secured Data via Directory

- UltraDNS securely manages millions of domains for thousands of customers.
- Reduced security threats to appliances within customer network itself.

Data Integrity through Distributed Database Replication

- Authenticated to Directory via client certificates.
- Encrypted traffic via SSL.

### Manageability & Performance

Simplified Data Management and Protection

- Customer data stored on industry-leading Directory Platform.

Unrivaled Scalability and Performance

- Leverages the UltraDNS industry-leading global DNS network.

Proactive Support

- Monitoring & Notifications by UltraDNS 24x7x365.
- Hardware replacements included for failures and End of Life (EOL).

### Cost Effective

Managed Service Offering

- Lowers overall costs for hardware, software, training and support.
- Reduces capital expenditures. Cost-Effective, Appliance-Based Solution
- Fully redundant local service while managing data in Directory Platform.

Simple & Intuitive Management Portal

- Reduced Administration = Reduced Operating Costs

### For more information:

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