



DNS SECURITY SOFTWARE & APPLIANCE
Solution Deployment



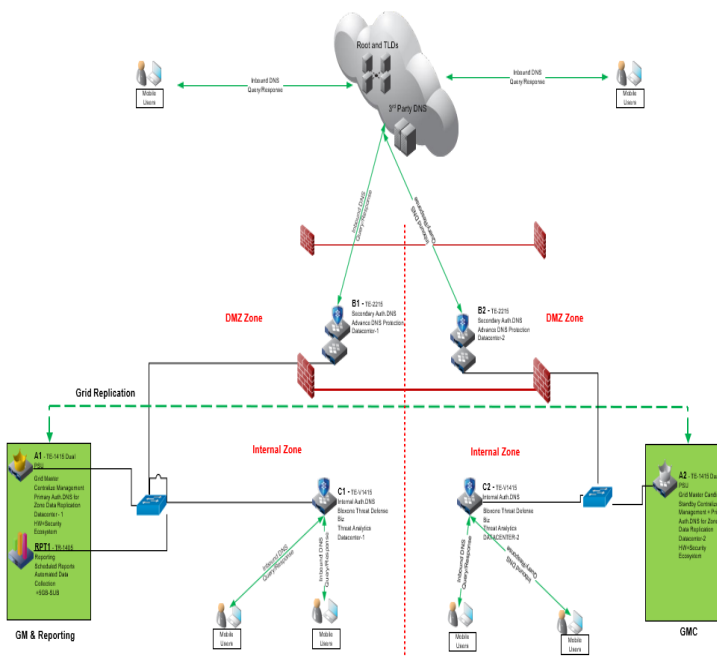
One of our reputed clients looking to replace its own Legacy BIND System with Infoblox for their Data Center and Disaster Recovery Sites. They had the requirement to prevent their infrastructure where the network management team found it was utilizing resources inefficiently. Operational costs to maintain the legacy BIND system is high and challenging.

CHALLENGES

Compounding the challenge of a huge network infrastructure was a network that would grow increasingly complex as the number of connected devices continues to climb. Additionally, the BIND legacy IPv4-capable network was unable to handle automated IPv6 addressing, requiring manual servicing of requests to meet the needs of a growing infra. Also, current DNS Security deployment required additional work hours for complex scripting when DNS changes were needed, potentially putting the entire network at risk in the event of errors.

SOLUTION

- Deployed Infoblox DDI solution which is a shorthand for the integration of DNS, DHCP, and IPAM (IP Address Management) into a unified service or solution. DDI comprises the foundation of core network services that enables all communications over an IP-based network. An attacker coordinates the use of hundreds or thousands of devices across the internet to send an overwhelming amount of unwanted to the target, which could be a company's website or network.
- Infoblox has allowed our client to better integrate and automate its systems and tools. For instance, now they can use APIs to integrate Infoblox DDI with solutions from other vendors, custom code built by the OEM and with legacy BIND. These improved integration and automation capabilities also make it easier to automate tasks using role-based access to allow the virtualization team to control its own zones, simplify DNSSEC assignment, transition to IPv6, and flexibly combine virtual and physical appliances to leverage infrastructure already in place.
- DNSSEC stops cache poisoning attacks because attackers can no longer impersonate authoritative name servers or spoof answers man-in-the-middle style, thus stopping the chain of attacks that follows.
- The Infoblox DNSSEC solution leverages Infoblox Grid technology, which makes the management and configuration of DNS Security easier across the DNS infrastructure, open with single mouse click.



Benefits of Infoblox

- **Consistent, centralized UI**

Consolidate management via a unified UI for DNS, DHCP, IPAM, DNS Traffic Control and DNS Security.

- **Automated device discovery**

Find all devices connected to the network. Convert discovered objects into managed objects.

- **DHCP fingerprinting**

Identify device properties like operating system and device type using DHCP options.

- **Identity mapping**

Match Active Directory users to IP and MAC addresses to quickly analyze resource users and troubleshoot network- and user-related issues.

- **Customizable templates**

Rapidly configure new services and reduce configuration overhead.

- **Flexible metadata tagging**

Employ extensible attribute metadata tags to identify key IP resources and to organize and share data more effectively.

- **Deliver DDI for enterprise and service providers**

With Infoblox DDI achieve higher levels of service uptime, security, and operational efficiencies across diverse infrastructures, including on-premises, cloud and hybrid deployments.

- **Centrally manage your entire network via Grid**

Infoblox DDI uses patented Infoblox Grid technology to ensure high-availability DNS, DHCP and IPAM services throughout distributed network.

- **Custom reporting and alerting**

Gain versatile reporting and alerting capabilities for devices, IP addresses and other network assets.

- **Workflow automation**

Use customizable workflows to automate a broad range of IT processes you currently perform manually

Conclusion

Legacy DNS solutions are unable to keep pace with the rapid growth of today's distributed environments. Infoblox DDI solution provides an efficient set of DNS, DHCP and IP address management core network services. It delivers centralized administration and enterprise integration, local survivability for distributed locations in the event of lost data center connectivity, right-sized deployment options and flexible, cost-effective operations for distributed environments. Infoblox DDI is the ideal solution to help organizations deliver the reliable, efficient, and resilient connectivity and as a bonus, the DDI used in distributed sites integrates with the enterprise DDI used in headquarters.