
NEXT GENERATION OPERATIONS

A GUIDE TO DNS, DCHP AND IP ADDRESS MANAGEMENT

HIGHPOINT

As organisations embrace digitalisation, the number of 'things' connected to the corporate network is growing exponentially.

At the same time, IT teams are under immense pressure to provide greater levels of agility, resilience and performance across the network infrastructure.

Traditional manual approaches to DNS, DHCP and IP address management can no longer cope with this complexity and the required pace of changes to the network. As a result, we are seeing more and more organisations looking to automate these areas of IT management as part of their journey to next generation operations.

INFOBLOX DDI MANAGEMENT

Over half of organisations adopting DNS, DHCP and IP address management (DDI Management) do so with Infoblox, making it the clear market leading solution.

Infoblox's solution in this area enables you to take an integrated and centrally managed approach to DDI Management, with DNS, DHCP and IPAM all being controlled from within a central platform and management console.

Infoblox enables you to simplify DDI management, automating many manual network management tasks and gain access to rich reporting and analytics that empower you to make more informed network management decisions.



KEY CAPABILITIES

DNS MANAGEMENT

You rely on DNS to provide end-users with access to the applications and data they need, connecting clouds and core services to end-user devices. With Infoblox DNS, you can centrally manage and automate all aspects of DNS management, utilising a purpose-built platform that delivers high-availability and responsive services.

DNS management is both simplified and automated through the use of templates and automated workflows, and fully integrated with the management of DHCP and IP address management.

Infoblox provides a solution for DNS Management that can evolve in line with your underlying infrastructure, fully supporting physical, virtual and hybrid cloud infrastructure as well as seamlessly operating with architectures based on Network Functions Virtualisation (NFV).

DHCP AND IP MANAGEMENT

It is difficult to cope with the exponential growth in the number of devices connected to your network using traditional IP address management (IPAM) and Dynamic Host Configuration Protocol (DHCP) systems.

Traditional IP address management tools involve a high degree of manual effort, often conducted in isolation from DNS and DHCP. This approach is proving challenging as IT teams need to provision vast numbers of IP addresses across a diverse range of physical and virtual devices and across private and public cloud environments.

With Infoblox IP address management and DHCP, you can automate and centralise all aspects of IP address provisioning and DHCP server management in conjunction with DNS. What is more, it also allows you to automatically discover, provision, and monitor all IP assets across your distributed network.



THE KEY BENEFITS DELIVERED:

Infoblox provides you with a single consolidated tool to manage DNS, DHCP, IP address management, centralising control and leveraging next generation automation.

Key benefits include:

- ▶ **Simplification of DDI management** across your entire estate including virtual and physical infrastructure and public and private cloud environments.
- ▶ **Rich reporting and analytics** enable better-informed support for capacity planning, asset management, compliance control and auditing.
- ▶ **Simplification and automation** of many of the aspects of DNS, DHCP and IP address management reduces management overhead while increasing the agility of network management.

HOW CAN HIGHPOINT HELP:

We believe that to become an agile enterprise, organisations need to adopt next generation operations tools and practices.

We believe that Infoblox provides these capabilities in one of the most fundamental areas of network management, while our expertise in this solution can assist you on your journey.

HighPoint's Agile Operations team can also help you explore the possibilities of next generation operations. How you can leverage automation for every aspect of operating a Secure Software-Defined Infrastructure, from orchestration and provisioning of resources to proactive, AI-driven monitoring, management and remediation.

For more information or to discuss a particular requirement, please contact our team at digital.transformation@highpoint.com or call us directly on **+44 (0)1895 262 350**.



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