Infoblox

IN AN INCREASINGLY
5G AND EDGE WORLD
DNS MATTERS

Communications Service Providers (CSPs) are embracing the distributed cloud model to power new 5G and multi-access edge computing (MEC) services. They also understand that they must reassess their Domain Name System strategies and product requirements.

DNS is a critical element of the new network architectures and technologies, yet significant build-out challenges remain, including:

— **A lack of mature DNS solutions**

— **The inability to deploy efficiently at the edge**

— **A shortage of virtualized configurations**

As a result, few CSPs believe their DNS can currently support the automation and scalability needed to deliver future high-bandwidth, low-latency services.

The new global market survey report from Heavy Reading and Infoblox, *DNS and the Edge: The Evolution Will Be Distributed*, provides the detailed business case findings, clear vendor analysis and ROI considerations that CSPs need in order to optimize their DNS infrastructure to support critical new 5G and multi-access edge services.

The strategic importance of DNS has has grown in the distributed cloud era.

71% believe DNS is critical to 5G adoption.

56% plan to upgrade to centralized 4G DNS for initial deployments of 5G and MEC.

16% believe their DNS is "capable today" of supporting MEC or 5G NGC.

66% believe DNS is critical for the delivery of cloud-based managed security services.

Survey results from *DNS and the Edge: The Evolution Will Be Distributed*

Infoblox DDI solutions solve the build-out challenges providers face with 5G and MEC.

Deliver the lowest latency and secure DNS to support ultra-reliable low-latency communication (URLLC).

Provide automated DNS and IPAM for ultra-fast network function instantiation and selection.

Supply DNS security with a lightweight footprint—delivering automatic monitoring and proactive threat identification across all devices.

Integrate DDI between SDN and public/private cloud networks by automating core network services.

Get the Survey: www.infoblox.com/DNS-and-the-Edge-Report