

6

NETWORKING TRENDS YOUR BORDERLESS ENTERPRISE MUST ACCOMMODATE NOW

And How Cloud-Native DDI Can Help

As a result of ever-rising demand for mobile access and cloud application migration, today's enterprise is increasingly borderless. To thrive in the age of the cloud, enterprise networks must confront these six interrelated trends. Cloud-native core network services, DNS, DHCP and IP address management (aka DDI), play a central role in all network interactions—and in meeting the demands presented by each of these trends.

1

WORK FROM HOME

Up to **30%**
Telecommuting
multiple days a week
by end of 2021

The Covid-19 pandemic accelerated the long-term shift toward greater reliance on remote work scenarios.

Cloud-native DDI enables higher reliability and better networking experiences for employees working from home.

25%
Annual growth
through 2023

4

MICROSERVICES

Increasingly, enterprises are turning to microservices—technology that enables developers to separate application services from underlying hardware, resulting in greater deployment agility and cost savings.

Cloud-native DDI uses microservices to provide advanced DNS, DHCP and IP address management capabilities as applications deployed in virtualized containers from the cloud.

5

INTERNET OF THINGS

Borderless enterprises face the growing challenge of having to monitor and manage the exploding numbers of IoT endpoints connecting to their networks.

Cloud-native DDI, through its command of DNS traffic and IP address management, enables network teams to see endpoints wherever they are from a single pane of glass.

24 BILLION
Connected
devices by 2030

2

EDGE NETWORKING

As mobile access and cloud adoption continues to soar, the network edge becomes the central hub of activity, not the data center.

Cloud-native DDI ensures fast, low latency connections at the network edge.

61%
Already using or
actively researching
edge computing
in 2020

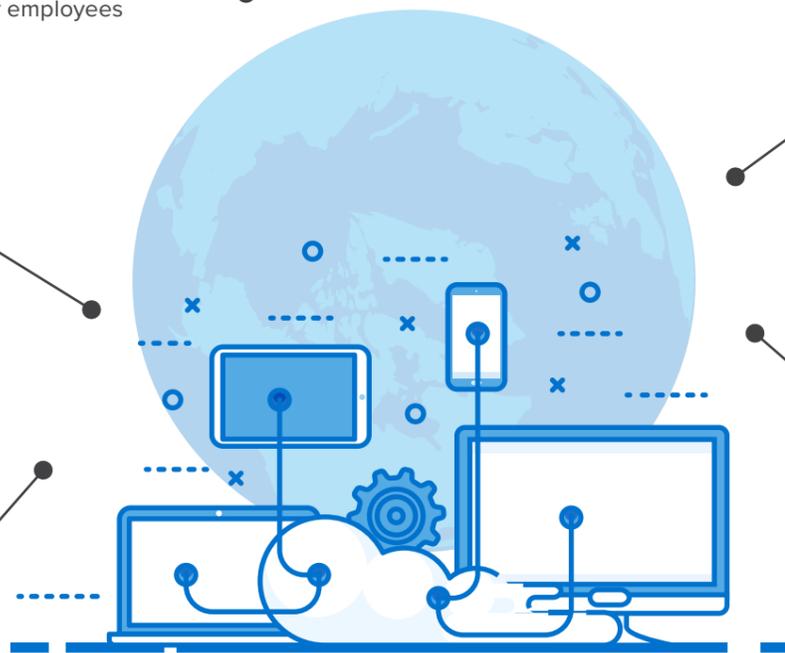
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CONTAINERIZATION

Adoption of containerized applications through Docker, Kubernetes and other platforms is growing as enterprises (or replace enterprises with organizations for broader reach) seek to reduce hardware deployment and operating costs.

Cloud-native DDI replaces traditional DDI servers with lightweight, virtualized and containerized appliances deployed and managed from the cloud.

29%
Annual
growth
through 2025



BORDERLESS ENTERPRISE

Cloud-Native BloxOne™ DDI

BloxOne DDI from Infoblox provides the simplicity, resiliency, agility and cost control today's borderless enterprises demand.

SECURE ACCESS SERVICE EDGE (SASE)

The SASE model, first coined by Gartner, is a response to cloud-driven demands at the network edge. It merges networking and security into a single, unified platform, built using cloud-native principles, deployed and managed from the cloud, and delivered on a SaaS basis.

Cloud-native DDI embodies SASE architectural principles and provides a critical foundational layer that SASE platforms require.

40%
Of enterprises will
have SASE strategies
in place by 2024

6

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