HYBRID WORKPLACE

Empower Your Work-from-Anywhere Organization Using a Modern Secure Network

OVERVIEW

External forces and business imperatives are driving workplace modernizations across every industry and geography.

The hybrid workplace—where employees move among on-site, home and work-from-anywhere locations—is here to stay. To create such a hybrid workplace, organizations are increasing adoption of the cloud and SaaS along with other major shifts. According to Gartner, over 45 percent of IT spending will have shifted to the cloud by 2024 (up from 33 percent in 2020). Broader use of cloud and SaaS applications is driving greater investment in technologies that improve productivity, data security and continuous business operations. The demands of a modern, distributed workforce require IT to prioritize agility, velocity and scale. As a consequence, networks are shifting from a traditional architecture focused on headquarters and the data center to a distributed, edge-to-cloud architecture (Figure 1). To support the hybrid workplace, your organization needs to be able to easily secure networks and unify management across cloud, HQ and branch locations.
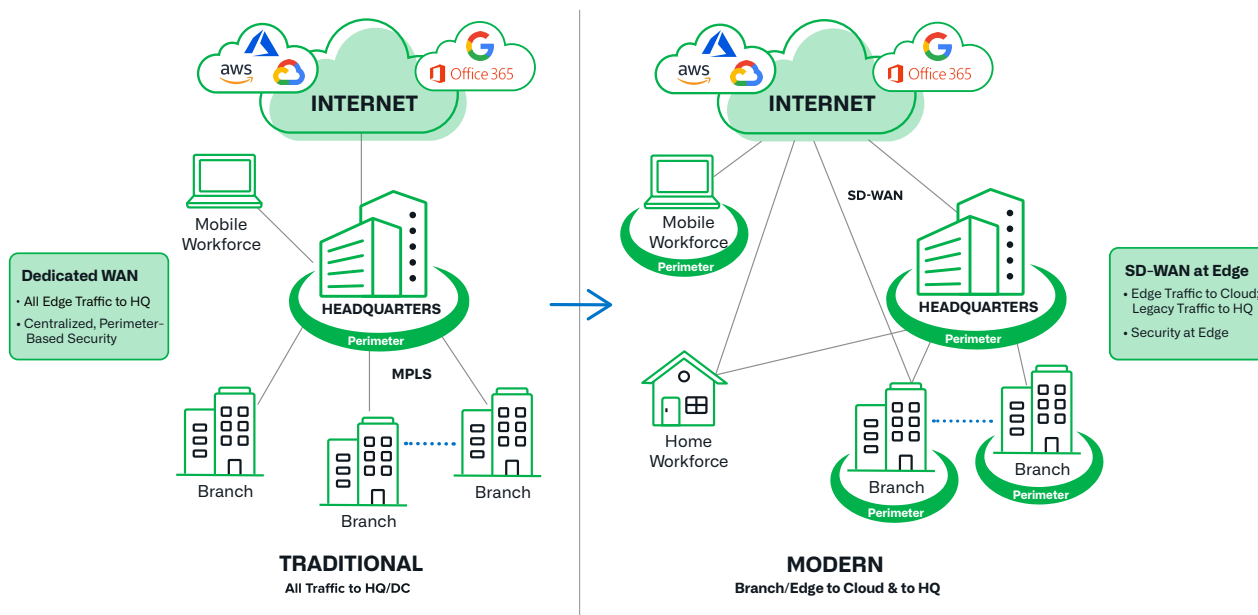

Figure 1: Enterprises are shifting from traditional network architectures focused on the data center to ones focused on the edge.

IT AND SECURITY CHALLENGES

While transformation is essential to stay competitive, streamline costs, increase revenue and adapt to changing customer needs, it exposes companies to new operational and security risks.

As companies transition from traditional deployment models to an edge-to-cloud architecture, infrastructure becomes more fragmented. Challenges include:

Fragmented Control

- Disjointed network foundations for DNS, DHCP and IP address management (also known as DDI)

- Remote users and cloud workloads relying on disparate DHCP/DNS systems with little to no centralized control

Limited Visibility

- Work-from-home users invisible to enterprise inventory systems

- Difficult to manage devices in remote offices that have direct-to-Internet connections

Limited Security

- Data center security unable to cover remote users or remote branches

- Lack of centralized security and remediation capabilities

Bridging from traditional architecture to modern is hard. Your enterprise needs a modern secure network for a successful and seamless transition. Infoblox can make it easier, expediting time to value for companies.

INFOBLOX POWERS THE HYBRID WORKPLACE

Infoblox network and security solutions provide integrated features that secure networks and unify management across cloud, HQ and branch offices.

Infoblox hybrid workplace solutions allow companies to:

- Easily transition to any cloud platform and/or application

- Embed security everywhere to protect work from anywhere

- Improve productivity of DevOps/SecOps

- Regain visibility through a centralized console to view all devices across the data center, clouds and remote locations

- Achieve centralized control of DHCP/DNS for local, public and private cloud assets and remote locations with local survivability

Key characteristics of the solution include:

- Only cloud native platform that delivers extensible network and security capabilities as a service at hyperscale, independent of location

- Automation and integrations to streamline operations

- Hybrid architecture to ensure business continuity with the same reliable services for the modern workforce and workloads across data center, cloud and edge locations

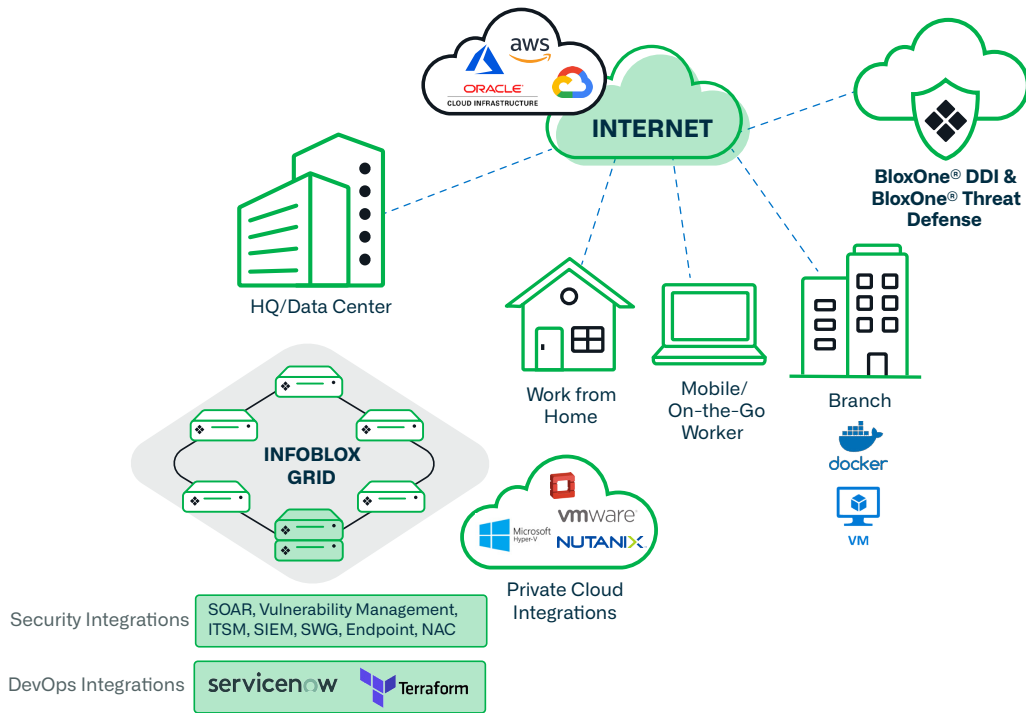- Single point of management for the hybrid enterprise

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Figure 2: Infoblox hybrid security architecture spans on-premises and cloud infrastructure.

CUSTOMER STORY (DDI): SATELLITE COMMUNICATION FIRM

A global provider of satellite broadband services for military and commercial markets wanted to ensure the firm's global operations are reliable and secure.

Challenge: Its global business footprint was plagued with outages resulting in revenue losses. The firm had implemented disparate DDI systems between the data center and branch offices, causing inconsistencies in configuration and security policies. These inconsistencies led to costly outages.

Solution: A cloud-first hybrid deployment of on-premises Infoblox NIOS along with cloud-managed BloxOne DDI and BloxOne Threat Defense was implemented to drive modernization across its global footprint. The hybrid deployment enabled consistent and consolidated management of DDI throughout the organization as well as the simplified implementation and enforcement of DNS-layer security policies in all locations.
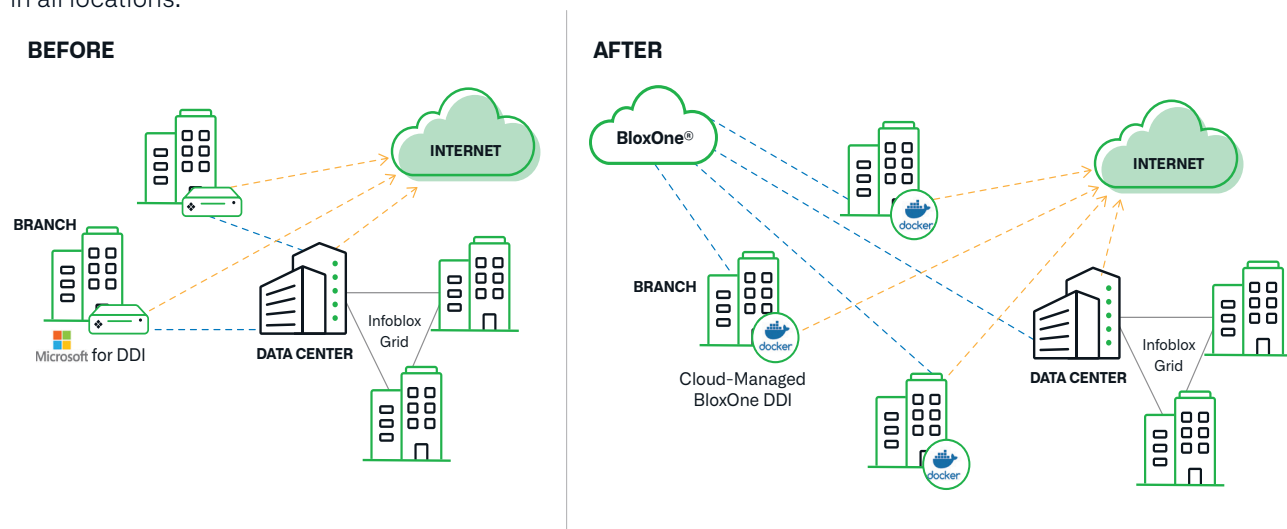

Figure 3: Deploying NIOS, BloxOne DDI and BloxOne Threat Defense in the distributed enterprise.

CUSTOMER STORY (SECURITY): FIFTH LARGEST U.S. CONSUMER BANK

The bank, which has three divisions—credit card, consumer banking and commercial banking—is undergoing digital transformation to retain its competitive advantage and improve customer experiences.

Challenge: The bank's critical assets were distributed among cloud, on-premises and employee devices, protected by disparate security systems. There was a lack of coordination and integration for effective defense while its global operations continued to be exposed to new threats that target financial institutions. There was also a recent incident of unauthorized access to PII of new credit card applicants.

Solution: The bank saw the Infoblox hybrid solution (Figure 2) as crucial to supporting its current and future growth while improving its cyberdefense. Infoblox DNS security minimizes risk from data exfiltration while monitoring all devices and workloads in the cloud and on-premises.

CONCLUSION

Infoblox plays a vital role in driving the success of a company's transition from traditional to modern networks. It allows organizations to maintain visibility of their road warriors, use critical network and security services when and where they need them, securely enable the anywhere workplace and automate tasks for improved efficiencies. With Infoblox, companies can ensure business continuity using proven solutions that enhance business outcomes.

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Infoblox unites networking and security to deliver unmatched performance and protection. Trusted by Fortune 100 companies and emerging innovators, we provide real-time visibility and control over who and what connects to your network, so your organization runs faster and stops threats earlier.

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