

SOLUTION NOTE

BloxOne™ DDI

SUMMARY

Historically, branch offices and retail locations used local server or router implementations for DDI, or backhauled DNS and DHCP traffic to their enterprise data center. Local server or local router implementations are cumbersome to manage per site, and backhauling is not optimal for reaching cloud-based applications. A virtualized solution offering local DDI services with cloud-based management is the superior option because it ensures application performance and local survivability while centralizing management.

BloxOne DDI

With a micro services-based architecture, BloxOne DDI is the industry's first cloud-managed DDI offering. It moves control and management functions to the cloud, requiring only a lightweight virtual appliance on premises.

Use Cases

Automated DHCP Services

DHCP services are offered today at remote locations and branch offices using a local server or router. This method leads to a device-centric approach to

management. Each site is managed individually. Provisioning, feature upgrades, monitoring and management and policy control are all performed manually per site. At scale, this approach is both cumbersome and error prone.

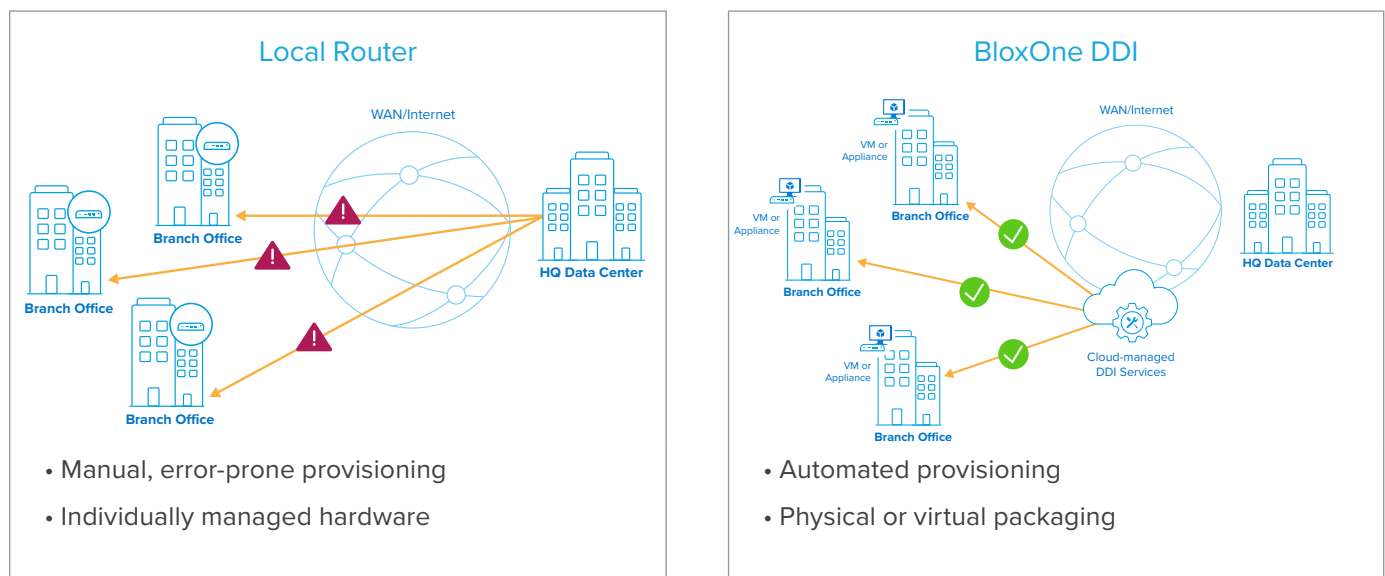


Figure 1: Use case: cloud-managed automation for DHCP services

A cloud-managed solution eliminates these issues.

DNS Optimized for Cloud-based Applications

When using DNS backhaul, end users may not connect to the closest point in the cloud for their SaaS applications. The data center's DNS service could resolve to a PoP closer to headquarters than the branch office, which may lead to poor response time, impaired operations and an unsatisfactory user experience. In addition, remote sites depend on the link to the data center for DNS resolution. If that link is down, business can be interrupted.

By resolving DNS queries locally, BloxOne DDI vastly improves end users' experience when connecting to cloud-based applications such as Office 365. Users are guaranteed that they are connected to the closest entry point in the cloud for their SaaS applications. Additionally, the solution is locally survivable and does not depend on the WAN link to their headquarter's data center.

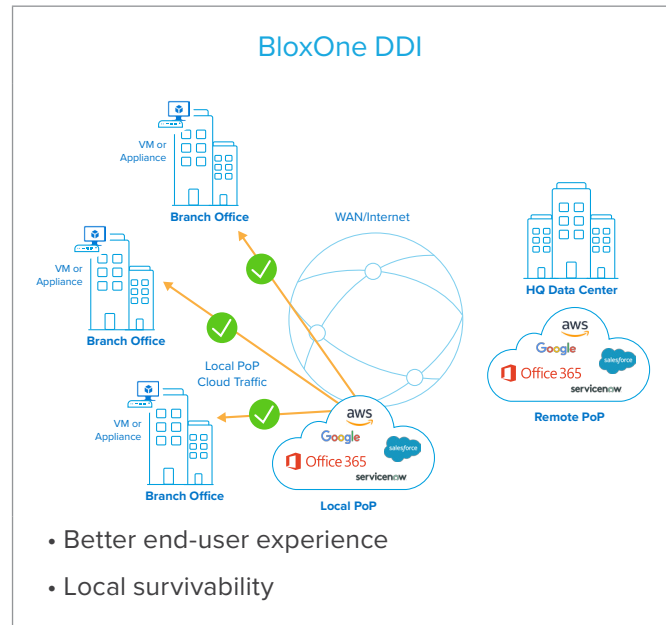
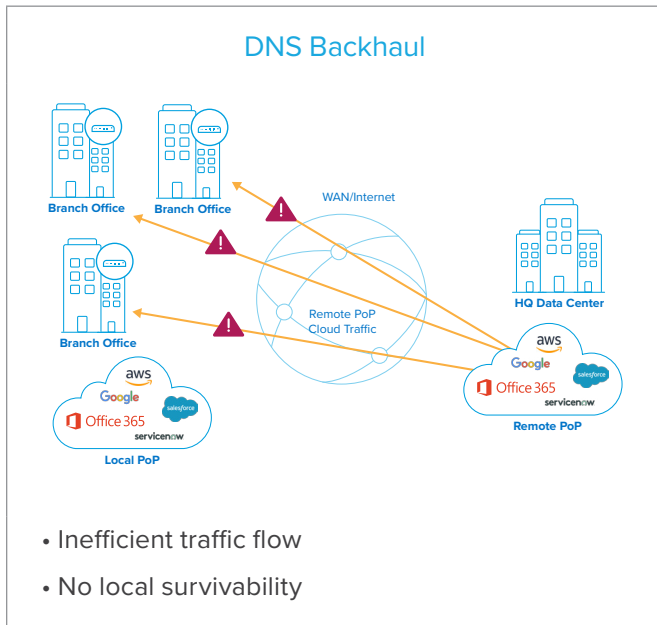


Figure 2: Use case: DNS services optimized for cloud-based applications

Simplified DDI Management

Server-based DDI solutions such as Windows Server and BIND require constant updates and patches. Rolling these out to multiple locations is cumbersome and time consuming.

The cloud-managed BloxOne DDI solution eliminates those obstacles. It combines large-scale automation for provisioning, configuration and policy control with inherently better performance and reliability.

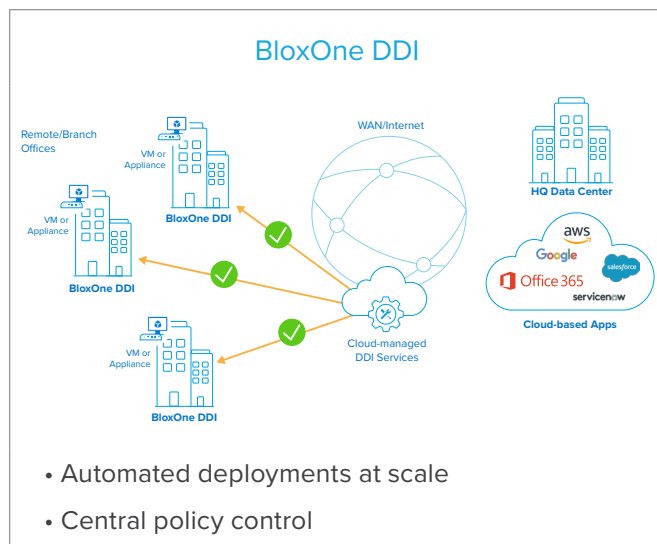
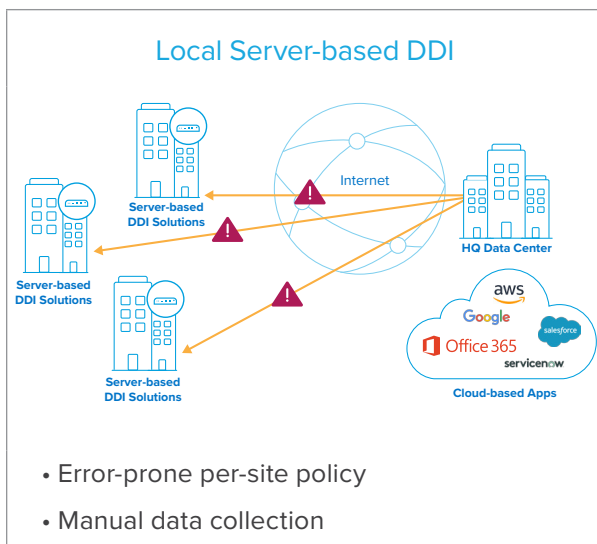


Figure 3: Use case: cloud-managed DDI

Conclusion

Conventional DDI solutions for remote and branch office locations are too slow and cumbersome for an increasingly cloud-first world. BloxOne DDI supplies remote sites and branch offices with location-aware access to cloud-based applications, improves deployment flexibility through virtualized form factor options and offers local survivability. In addition, cloud-based management automates large-scale provisioning, configuration and policy control.



Infoblox is leading the way to next-level DDI with its Secure Cloud-Managed Network Services. Infoblox brings next-level security, reliability and automation to on-premises, cloud and hybrid networks, setting customers on a path to a single pane of glass for network management. Infoblox is a recognized leader with 50 percent market share comprised of 8,000 customers, including 350 of the Fortune 500.

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