

TAMING THE STORM OF CLOUD COMPLEXITY

How a DDI management platform can help

A STORM IS BREWING

52%

of organizations cited **network complexity** as one of their biggest challenges to DDI management.

When enterprises migrate to **hybrid cloud** or **multi-cloud** environments, complexity compounds and DDI quickly becomes unmanageable.

The network team loses centralized control over DDI services, **which leads to...**

POOR VISIBILITY

With cloud complexity, network teams can lose the ability to:

- manage IP address spaces and DNS services in cloud environments
- deploy and manage DNS services for cloud applications and networks

A common reason for poor visibility: **shadow IT**

56%

said lines of business at their company had **engaged in shadow IT** and adopted cloud services without IT involvement or support.

Why DDI matters

DDI services are essential to routing traffic and establishing network connections in on-premises, multi-cloud, and hybrid cloud environments.

DNS, DHCP, and IP address management —together known as DDI—provide the core services that enable network communications.

Cloud-native or other free DNS services are spun up on the fly with little regard for how they fit into the rest of the network. The result? A jumbled mess of DNS management approaches.

47%

said they try to extend their DNS management solution to shadow cloud environments.

ERRORS, CONFLICTS, AND OUTAGES

Cloud complexity can result in serious challenges for DDI.

56%

say DNS forwarding rule complexity creates performance problems

53%

say DDI silos between cloud and on-premises networks create zone conflicts, errors, and outages

45%

say a lack of efficient workflows and automation results in reduced service velocity

43%

say they lack network team visibility and control

Ready to invest in a DDI management platform?

NAVIGATE TOWARD THE LIGHT

62%

said **public cloud migration** or **transformation** is the leading driver of their investment in DDI technology.

"We've been resisting the cloud, but we can't anymore. Our organization is starting to trust it, so we need to include the cloud in DDI moving forward."

— Network engineer
Fortune 500 aerospace and defense company

Don't get left behind:

61%

of organizations that have adopted cloud don't use open-source or homegrown DDI solutions.

86%

of organizations that have implemented a commercial, integrated DDI solution — have adopted cloud.

Give your security a boost, too.

81%

of organizations with cloud infrastructure are implementing DNS security solutions like DNS firewalls or DNS filtering.

ONLY 12%

of organizations with a DIY approach to DDI **are actively monitoring and analyzing** their DNS activity and logs.

Discover how a DDI management platform can **reduce cloud complexity** and **enable digital transformation** at your organization.

[Read the report](#)

Infographic courtesy of



This infographic is based on data found in the **2022 Enterprise Management Associates** report, **DDI Maturity Drives Multi-Cloud Automation and Security**. The report explores the state of DDI (DNS, DHCP, and IP address management) maturity in enterprises. It examines the drivers and benefits of DDI maturity, as well as best practices for implementing mature DDI solutions. Get your copy of the report by visiting www.bluecat.com/ddi-maturity.