

Integrated DNS, DHCP, and IPAM (DDI)

Unify, simplify, and automate your DDI core services

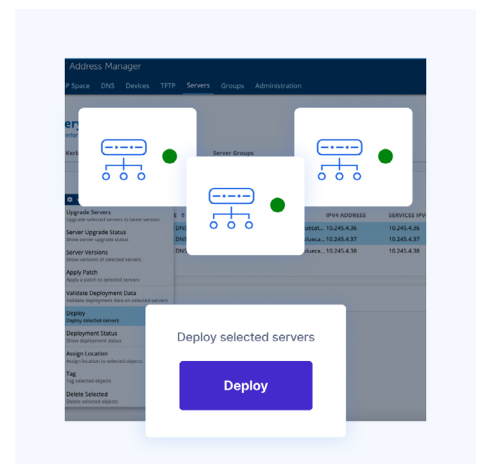
Complete visibility and control over critical network services

BlueCat Integrity is BlueCat’s core offering: a software suite that provides centralized control of mission-critical DNS, DHCP, and IP address management (IPAM) services and insight into the relationship between devices, users, and IP addresses across the enterprise. DNS, DHCP, and IPAM are together known as DDI.

The solution: BlueCat Integrity

With devices and applications multiplying exponentially, networking teams are forced to maintain complex infrastructures as they integrate new hybrid and multicloud platforms, security tools, SDN, IoT, and more.

For most organizations, DDI services seem invisible until they malfunction. Integrity is your single source of truth—an integrated DDI platform designed to eliminate complexity, automate provisioning, accelerate application deployment, and ensure business resilience.



Benefits

- ✓ **Single source of truth**
 Unify disparate DDI solutions into a single source of truth
- ✓ **Plug-and-play automation**
 Open, well-documented, and vendor-agnostic RESTful APIs are easily accessible and improve operational efficiency, reduce repetitive tasks, and integrate with third-party tools
- ✓ **Accelerate cloud adoption**
 Cloud Discovery & Visibility, an application within Integrity, discovers the entirety of your on-premises and multicloud footprint and streams that data to your IP address manager
- ✓ **Role-based access controls**
 Define users with different levels of access, including multiple administrative users
- ✓ **Modern user interface**
 A user experience that enhances visual elements for an intuitive, aesthetically pleasing, and consistent interface
- ✓ **Disaster recovery**
 Highly reliable backup, failover, and recovery options regardless of deployment in the cloud or on premises
- ✓ **Data visualization and reporting**
 Get an instant view of your entire network structure and utilization statistics
- ✓ **RFC compliance**
 BlueCat DNS/DHCP Servers are unconditionally compliant with applicable RFC standards

Architecture

Integrity is comprised of BlueCat Address Manager and BlueCat DNS/DHCP Server (BDDS). This uniquely resilient architecture separates the management plane from the services plane, enabling linear scale to accommodate most enterprise customers. Integrity is right-sized from the start, allowing true pay-as-you-grow without any artificial speed bumps to re-architect or surprise forced upgrades. When using virtual or DDI appliances, BDDSeS can scale up queries per second and provide resilient backup servers for highly available DNS and DHCP services.

Features



DNS

Integrity's feature-rich and fully integrated DNS solutions can be deployed in any environment. Integrity delivers a responsive and reliable network that manages unwanted traffic, rapidly enables core services, and speeds application performance and availability.



DHCP

Integrity's DHCP solution offers built-in security, high availability, a scalable architecture, and dual-stack support. We help you make the most of limited IPv4 space and manage dual-stacked IPv4 and IPv6 environments.



IP address management

Address Manager provides a centralized source of intelligence and insight into the relationship between the devices, users, and IP addresses on your network. It uses built-in IP modeling tools and network templates for simplified management.



Full-featured APIs

Integrity enables an automated environment through a robust library of APIs that facilitate continuous updates, improve threat detection, and enforce policies by providing instant access for users and applications. Our API-first approach works with any environment and optimizes existing IT investments.



High availability

Integrity delivers highly available DDI services across the enterprise, with the flexibility to deploy in high-throughput, centralized architectures or fully distributed environments. DNS and DHCP failover ensure that IPv4 and IPv6 retain the highest standards of service uptime.



Threat protection

BlueCat's threat protection add-on offers integrated security intelligence to help cybersecurity teams rapidly identify and stop threats before they can reach business-critical applications or data. Your DNS data is enriched with crowdsourced data and backed by an elite group of threat analysts and security researchers.

BlueCat's Intelligent Network Operations (NetOps) solutions provide the analytics and intelligence needed to enable, optimize, and secure the network to achieve business goals. With an Intelligent NetOps suite, organizations can more easily change and modernize the network as business requirements demand.

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Next steps

Get in touch with a BlueCat representative to unify your core network services.

Contact us

