

Integrated DNS, DHCP, and IPAM (DDI)

Unify, simplify, and automate your DDI core services

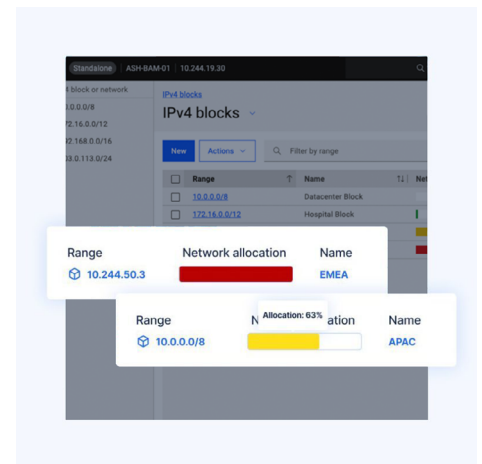
Complete visibility and control over critical network services

BlueCat Integrity is BlueCat's core offering. It's a software suite that provides centralized control of mission-critical DNS, DHCP, and IP address management (IPAM) services, as well as 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 X

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.

Most organizations overlook DDI services until they fail to perform. Integrity's unified single source of truth, with an intuitive UI built on a powerful RESTful API, is designed to support the next generation of IT initiatives. It reduces complexity, automates provisioning, accelerates application deployment, and guarantees business resilience.



Benefits

- ✓ **Unified single source of truth**
Unify disparate DDI solutions into a single source of truth
- ✓ **Automate everything**
BlueCat's OpenAPI is RESTful, vendor-agnostic, and well-documented, making it easy to discover API calls and implement custom integrations
- ✓ **Accelerate cloud adoption**
Discover the entirety of your on-premises and multicloud footprint and stream that data to your IP address manager with Cloud Discovery & Visibility
- ✓ **Role-based access controls**
Define users with different levels of access, including multiple administrative users
- ✓ **Intuitive user interface**
Built on top of RESTful APIs that automation teams can control, Integrity features a modern UI without a patchwork design
- ✓ **Disaster recovery**
Highly reliable backup, failover, and recovery options regardless of deployment in the cloud or on premises
- ✓ **Data visualization and reporting**
See problems before they turn into network downtime with always-on, Prometheus-based, real-time metrics
- ✓ **Accessible and compliant by default**
Integrity is unconditionally compliant with applicable RFC, OpenAPI Specification, and WACG 2.2 AA standards to empower every user

Architecture

Integrity combines BlueCat Address Manager and BlueCat DNS/DHCP Servers (BDDSeS) with an intuitive interface and resilient architecture. Its hub-and-spoke model enables phased upgrades, and one enterprise-grade appliance can manage thousands of DNS/DHCP servers, enhancing control and performance without incurring extra infrastructure costs. With N-2 release support, over 1,000 BDDSeSs can connect to BAM, delivering 20-40% more LPS/QPS for equivalent resources. Integrity’s flexible architecture allows for a pay-as-you-grow deployment, ensuring no unexpected upgrades while maintaining DNS and DHCP service availability.

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