



BlueCat and Equinix

A partnership for a hosted DDI management solution in multicloud environments



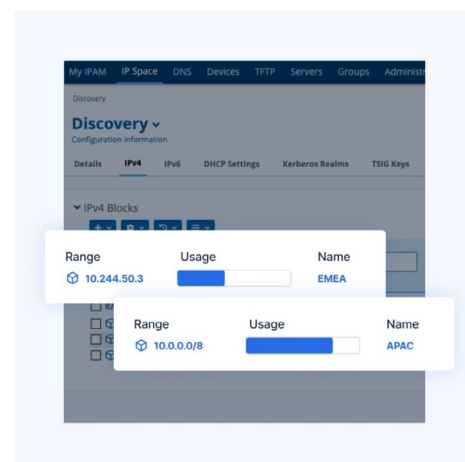
Complete visibility and control over critical network services

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, DNS, DHCP, and IP address management (DDI) services seem invisible until they malfunction. However, DDI management solutions provide a single source of truth, simplify management, improve business resilience, and enable automation and DevOps practices. Networking teams operating agile environments and cloud infrastructure need a DDI platform that works at the speed of business growth.

The solution: BlueCat Integrity on Equinix Network Edge

BlueCat and Equinix bring BlueCat's core DNS and DHCP solution on Equinix Network Edge, which is hosted by Equinix and delivered by BlueCat. The straightforward configuration process through an automated workflow enables customers to swiftly deploy devices in a flexible as-a-service model. This solution extends BlueCat Integrity to Equinix Fabric, making it easy to provide DDI services to endpoints across clouds and endpoints connected over other networks.

Deploying BlueCat Integrity on Equinix Network Edge avoids high egress fees and variable costs that come with deploying in the public cloud. With centralized management and cost-effective scalability, Equinix Network Edge and BlueCat Integrity provide a change-ready cloud infrastructure solution for businesses striving for efficiency, agility, and cost savings.



Benefits

- ✓ **Single source of truth**
 Unify disparate DDI solutions into an authoritative single source of truth
- ✓ **Deploy and scale anywhere**
 Deploy in traditional data centers, AWS, Azure, or Google Cloud—or all the above
- ✓ **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
- ✓ **Role-based access controls**
 Define users with different levels of access, including multiple administrative users
- ✓ **Modern UI**
 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 and DHCP servers are unconditionally compliant with applicable RFC standards

Furthermore, BlueCat Edge brings additional IP forwarding, discovery, resolution, and security capabilities to standard DDI infrastructure to make multicloud complexity feel simple, safe, and reliable. Adding BlueCat Edge to your environment increases visibility, allowing you to capture and log any internal or external queries from any client, branch, or user globally. You also gain complete control of all DNS resolution paths while detecting malicious behavior and restricting access to critical internal resources.

Features



DNS

Integrity's feature-rich recursive and authoritative DNS solutions can be deployed in any environment, delivering 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

BlueCat Address Manager provides an authoritative source of intelligence and insight into the relationship between the devices, users, and IP addresses on your network, using 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 highthroughput, centralized architectures or fully distributed environments. DNS and DHCP failover ensure that IPv4 and IPv6 retain the highest standards of service uptime.



Integration with Equinix Network Edge

Equinix Network Edge is available globally, enabling a highly available platform through geographically redundant options. High availability can also be achieved through compute and network layer redundancy.

BlueCat helps enterprises achieve their network modernization objectives by delivering innovative products and services that enable networking, security, and DevOps teams to deliver change-ready networks with improved flexibility, automation, resiliency, and security.

Headquarters

4100 Yonge St. 3rd Floor, Toronto, ON, M2P 2B5
Phone: 1-416-646-8400 | 1-866-6931

bluecat.com

Next steps

Learn how you can get complete visibility and control over your core network services.

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