

DDI Analytics

Map your entire DDI environment with visual-first metrics embedded in Integrity

DDI signals are hard to see when you need them most

Distributed applications, hybrid cloud footprints, and constantly shifting IP spaces in modern networks make it difficult for teams to see what's happening at any given time across their DNS, DHCP, and IP address management (together known as DDI). Critical signals—like rising DNS errors, DHCP lease exhaustion, or uneven server load—are buried in siloed tools or static reports that lack context. Capacity risks often go unnoticed until they cause outages, and troubleshooting can span multiple consoles, datasets, and teams. As network environments grow, even experienced operators struggle to spot trends early or trace a spike to its source.

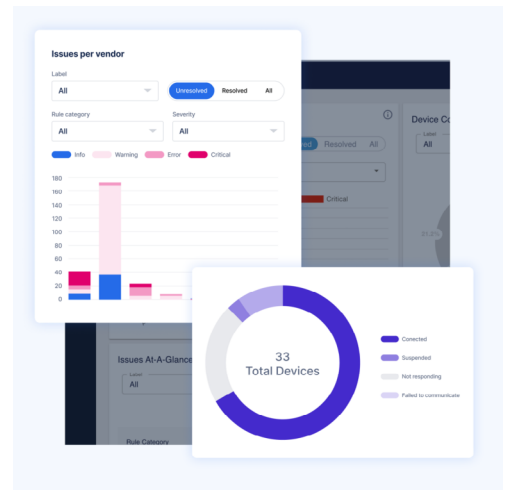
As networks grow in scale and complexity, teams struggle to see issues quickly enough to act. Enterprises need a clearer, faster way to visualize their DDI health and identify issues before users feel the impact.

The solution: DDI Analytics

DDI Analytics, an add-on for Integrity, BlueCat's DDI management solution for enterprises, embeds a visualization-first analytics tool directly inside Integrity. It maps your entire DDI environment—including your BlueCat Address Manager, BlueCat DNS/DHCP Servers (BDDSeS), DNS/DHCP services, locations, and cloud DNS—into a single interactive view.

Network teams can start at a live topology, filter by service or site, and drill into global or appliance dashboards, heatmaps, or zone-level details with a click. Real-time metrics, model-aware thresholds, and anomaly indicators highlight hotspots instantly, while built-in forecasting predicts capacity constraints before they impact users.

Whether analyzing DHCP churn, tracking DNS performance, or reviewing Top-N utilization, DDI Analytics centralizes insights alongside the tools teams already use to manage core DDI.



Benefits

- ✓ **See more with topology that tells the truth**
Get a live, visual map of appliances—including Address Manager, BDDSeS, and service points—DHCP/DNS services, and sites, turning DDI data from mere tables into context you can visualize and navigate.
- ✓ **Plan faster with forecasting that wards off failure**
Built-in utilization projections flag saturation risks early so you can right-size your network resources and schedule changes safely.
- ✓ **Fix quicker with heatmaps that reveal hotspots**
Time-based heatmaps and model-aware thresholds surface abnormal loads, error spikes, and noisy DHCP talkers in seconds.
- ✓ **Secure smarter with tools to spot trouble signals in cloud DNS**
Slice cloud DNS by return code, source, destination, or domain controller to more quickly pinpoint anomalies, abuse patterns, or misroutes.

Features



DDI global dashboard

View system-wide key performance indicators on a global dashboard, including queries per second, leases per second, active IPs, and Top-N block, network, and range utilization. Ignore lists remove ranges that are full by design, so teams can focus on real risks. The result is a clean, accurate picture of capacity trends across your entire Integrity deployment.



Appliance dashboards and heatmaps

Each BDDs includes thresholds based on its model, instantly highlighting load or error conditions. Time-based heatmaps visualize CPU, memory, disk, NXDOMAIN, SERVFAIL, and query traffic, helping network teams pinpoint anomalies or correlate spikes with changes, deployments, or external events.



Whitespace analysis

Visualize IP blocks, networks, and unused ranges to understand how address space is distributed and where new networks can be placed. Teams can see fragmentation, available space, and subnets at a glance—dramatically simplifying network planning efforts.



Capacity forecasting

Built-in forecasting uses recent history to predict utilization, helping teams catch saturation trends early. These projections enable safer upgrades, DHCP range planning, and proactive resource allocation before users experience impact.



DHCP talker analytics

Identify clients that request or release IP addresses far more frequently than expected. These so-called noisy talkers often indicate misconfigurations, faulty devices, or high-churn IoT deployments. Network teams can reduce DHCP load and prevent lease exhaustion by isolating these sources of noise.



Visualization-first topology

Filter a navigable topology of your DDI environment to show Address Manager, BDDs, and active DNS/DHCP services, along with topology connectors—such as crossover high availability (xHA) and DHCP failover links—using tags, sites, and user-defined fields. Start from the topology to explore health, performance, and alerts across the environment, and then drill into specific appliances or dashboards with a single click.



Cloud DNS analytics

Get visibility into external DNS traffic with total queries, average queries per second, and geographic heatmaps by data center. Drill down by zone, query name, query type, return code, source IP, or destination IP to investigate spikes, routing issues, or suspicious activity, including any distributed denial-of-service events.



License meter dashboard

Track how many Address Managers, BDDs, Edge assets, or IP counts are in use compared to licensed limits. Customers enter entitlements once; actual asset counts are pulled dynamically to show overuse or approaching thresholds. Along with automated DDI Analytics license detection, this is useful for budgeting and compliance.

BlueCat Intelligent 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

Discover how you can map your entire DDI environment with visual-first metrics embedded in Integrity.

[Learn more](#)

