BLUECAT™

Drive rapid change to innovate faster

NetOps 2.0. SASE. Cloud-first. Cloud smart. Everyone seems to have a different buzzword for the "network of the future".

All of these concepts essentially describe the same thing: a highly automated, fully integrated, cloud-driven network that promotes innovation throughout the enterprise.

These networks are designed for speed. Cloud architectures, SD-WAN, and intent-based networking deliver superior network performance that DevOps and cloud teams need to deliver business-critical applications and services quickly.

This is all great. In theory.

The reality: Most networks can't deliver this ideal future state.

Why is delivery of this ideal network so hard?
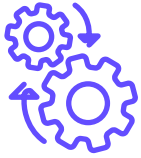
Everything's manual Automation is only as fast as the slowest process in your network stack. When your network team is manually provisioning IP addresses using spreadsheets or configuring the network one server at a time, they simply can't deliver at the pace of a DevOps or cloud team, let alone the automated processes that support them.

Nothing's integrated Running applications and services across hybrid environments is a mess if they can't draw on an API-first, automation-friendly network infrastructure. The same goes for SD-WAN, intent-based networking, and virtualization tools - to operate well, they need to draw from an integrated foundation of core network services.

Shadow IT If DevOps and cloud teams don't see what they need, they will probably build it on their own. That leads to an even more fractured, decentralized enterprise where nobody on the network or security teams can even see what's going on, let alone manage day-to-day operations.

Fragile networks Custom-built core network systems simply aren't designed to scale up and down at the speed of DevOps. They can't handle the demands of higher-level strategic initiatives like cloud, virtualization, and automation.

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All of these roadblocks share a common thread: core network infrastructure.

Core network infrastructure is usually the last thing that IT leaders think about when they start a digital transformation project. Their eye is on the end goal - that sexy, innovative network that drives business outcomes. It's only after they're far down the road of digital transformation that they realize the key role that core network infrastructure plays.

How do IT leaders come to realize that their core network infrastructure is slowing down the pace of change? Here are a few examples:

DevOps teams wait for days for IP address provisioning, causing them to put development on hold until the network team can get around to fulfilling the service ticket.

The network crashes frequently when shadow IT results in spiraling network conflicts and misconfigurations go unaddressed.

The network team can't meet their SLAs, as they fall behind the sudden increase in service ticket volume.

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Thankfully, none of this is inevitable. Core network infrastructure doesn't have to be the weakest link in your digital transformation project.

Core network infrastructure can be the catalyst for higher-level innovation.

At BlueCat, we have a name for this dynamic, open, scalable, secure, automated system. **It's called Adaptive DNS.**

Our vision is simple. DNS, DHCP, and IPAM (DDI) should be the foundation of the fully integrated, automated network you desire. With that end goal in mind, we've built a fully integrated, automated way to manage DDI - one that provides reliable, feature-rich core network services at the edge, in the core, and everywhere in between.
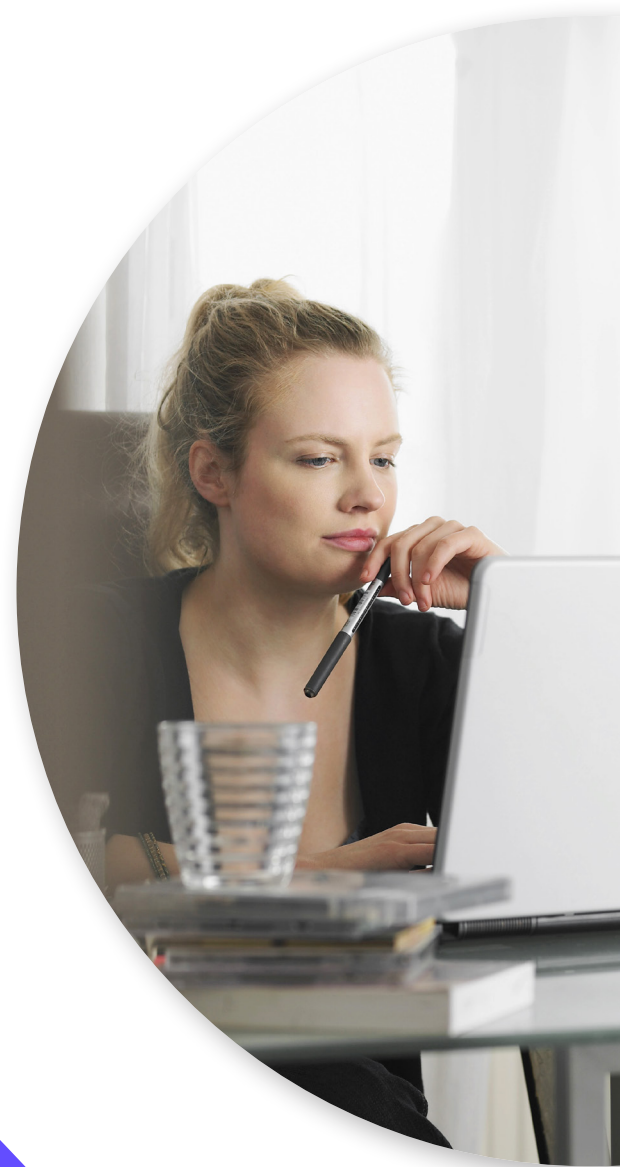
How does that vision play out at a tactical level?

Single source of truth for DDI management, enabling automated integration with cloud infrastructure, SD-WAN, virtualization engines, and your own applications.

Self-service provisioning gives DevOps and cloud teams the IP space they need, fast - preventing them from resorting to opaque shadow IT solutions.

Open APIs and zero-touch automation reduce the burden of one-off configurations and network changes.

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With Adaptive DNS, everyone gets what they need to drive innovation.

Network teams eliminate the drudgery of DDI service tickets through automation. DevOps and cloud teams get the responsive, reliable core network services they need. Everyone gets an API-first, automation-friendly infrastructure that supports their vision of tomorrow's network.

Did we mention that all of this is actually attainable? You're probably wondering how it all works. That's good - we'd love to explain it all a bit more.

Learn more about BlueCat's DNS automation solutions

bluecatnetworks.com