



NetBrain NextGen Business Value

Hybrid cloud-connected networks must deliver the IT services needed by the business with the right level of connectivity, performance, and security control, while minimizing the cost and risk of doing so. According to Gartner, "the limited network automation in most enterprises creates bottlenecks in provisioning, and in incident resolution, while increasing the likelihood of human errors." Network teams are understated, and according to Enterprise Management Associates, "more than 78% of IT professionals agree that network automation tools can mitigate that challenge."²

What is NetOps looking to do?

- Reduce the risk of downtime by preventing network outages and degradations before they impact the business
- Respond faster to network issues and reduce the time to find and diagnose problems
- Prevent security attacks by verifying intended security policies are in effect
- Maintain application performance and prevent 'slow app' complaints
- Prevent unintended consequences of change management
- Gain end-to-end network visibility in real-time with dynamic and exportable mapping, and a customizable report dashboard



What NetBrain will do for you:

Accelerate 3 Core Operational Workflows

Troubleshooting

- Catch performance degradations early
- Capture, replicate and trigger execution of automation to identify, diagnose, and resolve transient and repetitive issues fast
- View and analyze the performance of application traffic paths across hybrid networks and provide automation for remediation

Change Management

- Visibility to impact of critical apps
- Automatically ensure configuration changes align with network intent and future changes do not overwrite current changes
- Protect fault tolerance investments

Service Outage Prevention

- Continuously observe and verify that intended network security configurations and policies are in effect
- Prevent configuration drift and failover failures

Auto-discover and dynamically map any hybrid network from edge-to-cloud in real-time

The NetBrain Difference:

NetBrain NextGen is the only no-code network automation platform that accelerates on-going, or Day-2, operations at scale. It increases collaboration across NetDevOps teams helping them to manage any hybrid network by capturing, replicating, and enforcing network design intents to ease problem diagnosis and maintain ideal network conditions. It reduces disruptions, proves network innocence, resolves issues quicker, protects the network from unintended consequences of change, enforces a network that's secure by design, and meets every application's unique needs to ensure the best performance.



NetBrain Makes NetOps Strategic

NetBrain revolutionized the Network Operations function. The 'secret sauce' for NetBrain is our no-code NETWORK INTENT automation technology, which encodes the needs of the business and all its applications and services into executable diagnostics. This Network Intent automation technology enables our customers to realize each of these common operational challenges including prevention of outages, automated diagnostics, application performance issues, network security enforcement and protected change management.

NetBrain accelerates the resolution of more than



of the trouble tickets and prevents more than



of all network problems before they impact production.

¹ Source: Market Guide for Network Automation Tools | Published 22 February 2022

² Source: Network Management Megatrends 2022: Navigating Multi-Cloud, IoT, and NetDevOps During a Labor Shortage | April 2022 EMA Research Report



NetBrain Solves Your Most Common Problems

1. Prevent Network Outages



How NetBrain helps:

- Eliminates configuration drift
- Protects fault tolerance investments to prevent downtime
- Proactively catches transient and performance issues
- · Prevents security attack impact

Benefits:

- Enforces design rules and compliance at scale
- Maintains application performance by preventing configuration drift and human error
- Lowers operations cost by preventing recurring incidents and repetitive troubleshooting steps
- Continuously enforces security configurations

2. Diagnostic Automation



How NetBrain helps:

- Addresses 90% of repetitive incidents rapidly
- Holistic observability through API integration with ITSM, SIEM, telemetry and NPM tools
- Analyzes the impact to applications
- Automatically triggers troubleshooting of transient problems, alert generation, and map creation
- Enables self-service chatbot for mapping and problem solving anywhere
- Automates event-driven diagnosis, notification, and ticket management

Benefits:

- Improves NetOps productivity and efficiency
- Speeds problem solving with collaboration and automated notifications
- Reduces ticket hand-offs and escalations
- Ensures subject matter expertise is always available
- Promotes self-service troubleshooting for anyone

3. Application Performance



How NetBrain helps:

- Monitors all application paths across LAN, WAN, SDN, SD-WAN, and public clouds
- Analyzes the impact to critical applications and maps traffic paths in a unified dashboard
- Automatically verifies and enforces every application traffic path against baseline topology, state, and condition for connectivity, performance, and security

Benefits:

- Identify cause of slow applications fast
- Maintain application performance requirements
- Prevent security issues like route leaks
- Diagnose transient path issues quickly

4. Protected Change



How NetBrain helps:

- Protects you from overwriting current changes with future changes
- Verifies network changes against network design and policies and benchmarks
- Enforces the existing network design rules
- Rollbacks to quickly restore any previous configuration state
- Alerting for any intent violations

Benefits:

- Guards against configuration drift and human error during change management
- Automates the defining and delivery of network changes
- Assures compliance with network design to prevent unintended consequences
- Provides referenceable records for audits
- Speeds configuration updates and eliminates change windows

5. Network Security



How NetBrain helps:

- Provides continuous security observability and verification (device, border, edge, zone hardening)
- Enables establishment of application–specific security profiles and controls
- Automates Security Orchestration, Automation, and Response (SOAR)

Benefits:

- Application-centered network security
- Automated network security diagnosis and mapping
- Leverage existing SIEM tools to drive remediation of network security incidents
- Hardens deployed network security and policies

6. Hybrid-Cloud Visibility



How NetBrain helps:

- Auto-discover any hybrid network
- Map hybrid networks with visual diagnosis overlay for troubleshooting
- Get real-time network detail in exportable dynamic maps with contextual understanding of connectivity, performance, and security
- Produce a full-stack digital twin model (Device, Topology, Flow, Intent) of any live hybrid network
- Gain real-time understanding of traffic flows
- Uniquely understand business requirements and network design rules
- Eliminate visibility blind spots in public clouds

Benefits:

- Obtain a comprehensive and accurate view of your entire hybrid-cloud network, fast
- Add actionable insight and troubleshooting capabilities to network maps
- Allow other operational teams to view and understand the network and its impact
- Summarize the network state and efficiency gains with a modular Report Dashboard
- Uncover where you can optimize resources and reduce costs
- Create network documentation on the fly

www.netbraintech.com

Partner Contact Info:

Prianto PPM GmbH, Barthstr. 18, 80339 Munich Tel.: +49 89 416 148 2-10; kontakt-ppm@prianto.com