# NetBrain Next-Gen R12

NetBrain

NetBrain R12 integrates Agentic and RAG AI with no-code automation to transform manual troubleshooting, change management workflows into automated with AI — reducing MTTR by up to 90% and eliminating manual errors. Continuous network assessment boost real-time observability and network-wide identification of configuration drift.

Continuous Network Assessment

R12 advances network observability by integrating GenAI and no-code automation, improving user experience and increasing intent programmability. Key features include:

- ✓ **Post-Mortem Automation:** Auto-diagnose the root cause, auto-remediate the issue, and scan your entire network to find similar instances of the issues to prevent a repeat of the outage.
- ✓ **Golden Assessments:** Continuously monitor configurations and policies to stop risks before they cause outages.
- ✓ **Pre-Built Golden Assessment Library:** Download pre-built assessment templates of industry-wide knowledge from Cisco (Business Critical Service), NetBrain, and trusted partners.
- ✓ **Golden Engineering Studio:** Automatically discover multi-vendor network devices and their features, create and apply rules to reference clusters (or use pre-built), continuously assess the live network via the Digital Twin against these gold standards to prevent outages and store and share learnings.
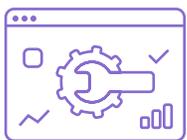
Use AI and Runbooks to Automate Manual Troubleshooting and Change Workflows

- ✓ **Next-Gen Runbook:** Diagnose root causes, auto-remediate issues, and scan your entire network to prevent repeat outages.
- ✓ **AI Insight:** Continuously monitor configurations and policies to stop risks before they cause outages.
- ✓ **AI Document:** Create a report and refine it with AI using natural language input for tailored output.
- ✓ **AI-Assisted Triggered Incident Troubleshooting:** Leverage AI to automatically diagnose triggered network incidents, remediate issues, and proactively scan for similar vulnerabilities across your network to prevent future outages.

Kubernetes Container Support (Beta)

✓ **Extends No-Code Automation and Visibility into Kubernetes Environments:** Enable Kubernetes network infrastructure/application running status, health, config change, route change, security compliance, connectivity quality and application performance, etc. observability using our Intent/ADT/Dashboard and runbook features.

  - ✓ Helps NetOps and SecOps teams monitor Kubernetes vulnerabilities
  - ✓ Adds real-time CVE visibility to existing Golden Assessments
  - ✓ Supports audit, compliance, and risk mitigation efforts in container environments
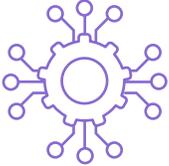
Additional Enhancements

R12 also introduces:

✓ **Two-Factor Authentication:** 2FA support for login to enhance user account security.

✓ **Azure Route Server Support:** Enhanced visibility into nodes, topology, data tables, and end-to-end (E2E) paths.

✓ **API Improvements:** UI to customize parameter values in API data.

✓ **Export Dashboard:** Export automation results from an observability dashboard to a Word document.