

NetBrain Golden Assessment Library THE "APP STORE" EXPERIENCE FOR NETWORK AUTOMATION

Imagine a world where ensuring network reliability and security is as simple as downloading an app. The **Golden Assessment Library (GAL)** makes this a reality—delivering **pre-built, plug-and-play automation** to replace manual processes, custom scripting, and reactive firefighting.

Built on industry-wide knowledge from Cisco (Business Critical Service), NetBrain, and trusted partners, and is integrated into the centralized Golden Assessment Library is the industry's first curated marketplace for network automation, offering ready-to-run assessments that proactively validate intent, enforce compliance, and eliminate misconfigurations across hybrid and multi-vendor environments. By applying lessons from past outages and automating best practices, the Library acts as a "herd immunity" shield for your network—stopping problems before they start.

With the Golden Assessment Library, network and security teams can:



Automate 100+ critical checks (BGP, OSPF, ACLs, Zero Trust, and more) in minutes.



Enforce golden configurations at scale without manual audits and assessments.



Prevent outages and breaches with proactive, intent-driven validation.

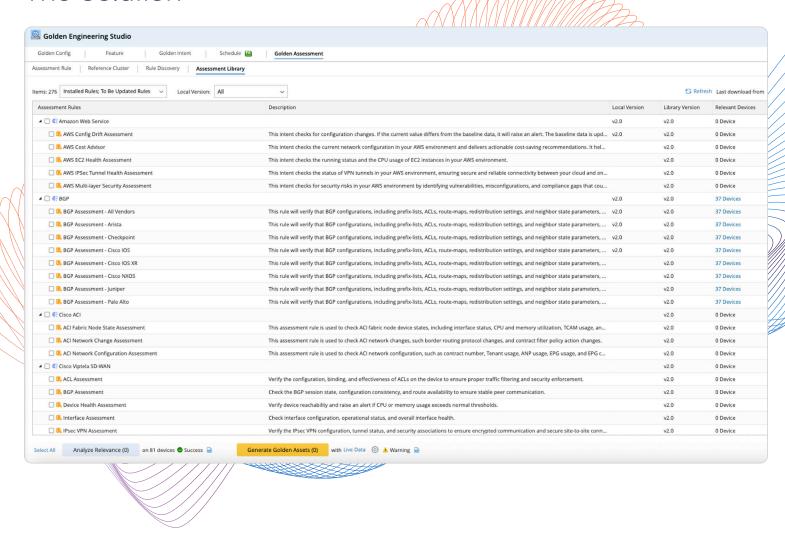
Welcome to the future of network operations—where automation is effortless, and reliability is guaranteed.

The Golden Assessment Library revolutionizes network and security operations by offering a curated marketplace of pre-built, automated assessments. Inspired by the simplicity of an app store, it delivers ready-to-use solutions to tackle common network challenges, eliminating the need for custom scripting and manual interventions. Organizations can achieve proactive, intent-driven network management, ensuring reliability and security in dynamic, hybrid environments.

Key Challenges Addressed

- Cost of Manual Assessments: Traditional methods struggle to keep pace with dynamic network changes, leading to misconfigurations, policy drift, and security vulnerabilities, often resulting in human error and outages.
- Cost and Resources for Post-Mortems: Engineers spend excessive time evaluating and diagnosing network outages across multi-vendor infrastructures yet fail to prevent future occurrences.
- Lack of Audit Preparedness: Manually prepared audits and network assessments fail to provide holistic, accurate and up-to-date network information for compliance.

The Solution



A dual-component library designed to automate network assessments and enforce best practices:

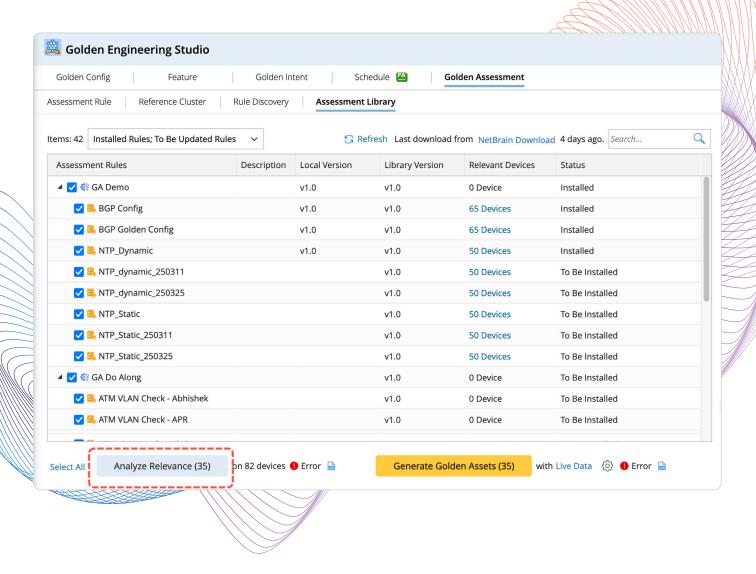
Golden Intent Library

- Purpose: Proactively assess network health and detect risks.
- Key Features:
 - Validates BGP stability, OSPF routing, device performance, and security gaps.
 - Supports multi-vendor and hybrid environments (AWS, Azure, GCP, Cisco ACI, SD-WAN).
 - Enables intent-based network management with automated checks against industry standards.

Golden Config Library

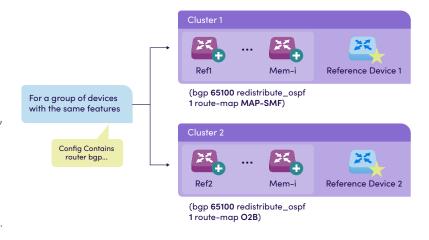
- Purpose: Identify and enforce golden configurations across devices.
- Key Features:
 - Groups devices with similar configurations and sets the most frequent as the "golden" standard.
 - Detects deviations (e.g., mismatched NTP servers) and manual configuration errors.
 - Audits ACLs, prefix lists, and compliance across Cisco, Arista, and other vendors.

How it Works



Analyze Relevance ensures assessments target the right devices to eliminate guesswork by applying checks only to relevant devices and ensure accuracy and actionable insights by validating:

- Assessment Feature: Broad criteria (e.g., BGP health, security posture).
- Assessment Rule: Specific checks within the feature.
- Device Scope: Groups devices using Reference Clusters for targeted validation.
 - A Reference Cluster is a set of device groups with a reference device for each group. The criteria to create reference cluster, which helps to identify reference devices, is included in the GAL and installed and calculated at the same time. Reference Cluster is selected from a pool of devices (using either a Dynamic or Static method), and a criteria condition is applied to ensure the selected devices meet specific requirements. Devices that meet the criteria are classified as Classified, while those that don't match are listed as Unclassified. Group devices by type/device type, location, model, version, keyword, config etc.



Realizing Value

- Proactive Observability: Shift from reactive troubleshooting to automated, outcome-driven operations.
- Automated Security: Enforce Zero Trust, detect policy drift, and remediate misconfigurations.
- Rapid Investigation: Reduce troubleshooting time from hours to minutes.
- Outage Prevention: Gain 24/7 network visibility to mitigate risks before they impact operations.

Why Golden Assessment Library?

- **Herd Immunity for Outage Prevention:** Learn from past outages and industry knowledge to prevent widespread network issues and build collective resilience.
- Curated Expertise: Built on industry-wide outage knowledge to prevent recurring issues.
- Effortless Automation: Pre-built assessments eliminate the need for custom scripting.
- Scalable Compliance: Enforce best practices across hybrid and multi-vendor networks.

Get Started Today

Experience the power of the Golden Assessment Library in the NetBrain Playground.

