## Product Overview

NetBrain® Integrated Edition is the industry-leading network automation platform, providing instant visualization and analysis of critical network data. Important stories live in data but network and IT teams struggle to make sense of the vast amount of information available—from telnet/SSH, SNMP, or collected through 3rd party network management tools. Visualization is a powerful means to discover and understand these stories and fundamental for collaboration.

NetBrain integrates with existing IT workflows such as network troubleshooting, design engineering, cyber-defense, and application performance management, to provide valuable insights, minimizing the time engineers spend in the command-line interface, or anayzing data across disparate tools. NetBrain employs a Dynamic Map as the single pane of glass for data visualization and Executable Runbook technology to automate the process of data analysis.

Dynamic Network Map

NetBrain's on-demand mapping is powered by a mathematical model of the network which is created and updated through a deep network discovery.

- ◆ **Map traffic flows end-to-end:** For many workflows.
- ◆ **Map any network:** Visualize hybrid physical, virtual, and software-defined networks with ease regardless of size and complexity.
- ◆ **Map all data:** The Dynamic Map provides real-time visualization of all network data, providing you with your Map of Everything – network inventory, topology, decoded design, network baseline, and any 3rd party tool's data.
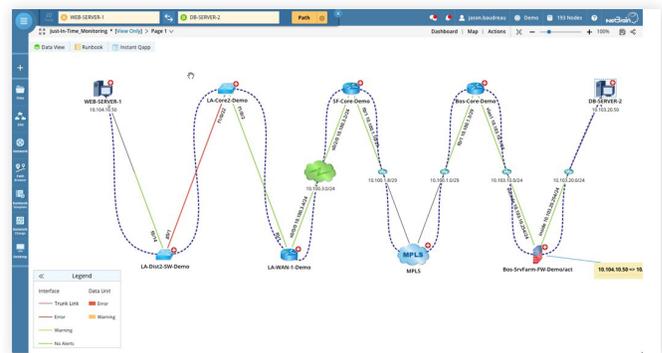
Executable Runbook

Executable Runbooks provide a framework for teams to codify knowledge and best practices, making them into repeatable processes. Each runbook is an automated workflow which uses a Dynamic Map as input for data analysis as well as visualization of the output

- ◆ **Digitize knowledge and processes:** Executable Runbooks are fully programmable, without scripts, enabling tribal leaders to "codify" best practices.
- ◆ **Make workflows executable:** Each step in a runbook can be executed witha click, to automate data collection and analysis.
- ◆ **Document and share analytics automatically:** All data captured during runbook execution is stored inside the runbook for easy playback and sharing.

Key Use Cases

- **Map the Network:** Replace manual network diagrams with a Dynamic Map, instantly creating detailed, relevant diagrams.

- **Map your Applications:** Instantly map the flow of any application traffic from source to destination, calculating end-to-end network paths across heterogenous, multi-vendor networks.

- **Map any data:** Integrate multiple 3rd party toolsets with NetBrain to utilize the Dynamic Map as a single pane of glass.

- **Baseline your network:** Using Artificial Intelligence NetBrain's Golden Baseline is your reference standard for the nominal status for various types of network data, giving you an understanding of any deviation from the healthy state.

- **Just-in-time Automation:** Implement triggered diagnostic "just-in-time" automation using NetBrain's API integration with 3rd party IT, NMS and ITSM tools. Enable software to do the initial diagnosis of all your network incidents.

- **Enhance Team Collaboration:** Enhance collaboration across IT organizations through better data and knowledge sharing. Tribal knowledge can be codified into Executable Runbooks, empowering junior-level engineers with senior-level know-how.

- **Accelerate CLI-based network troubleshooting:** Automate and scale virtually any network diagnosis with Executable Runbooks.

- **Assess Network Impact during a Security Incident:** Gain immediate end-to-end visibility during a security attack or incident. Capture the crime scene during an attack and visually assess the impact to the network.

- **Roll-out new technologies, like SDN:** Simplify the operation of new technology such as SDN and SD-WAN and visualize SDN fabrics and the interconnections to the external network.

- **Proactively Guard against Misconfiguration:** Teams can safely validate network changes and reduce human-error induced outages through NetBrain's change automation.

Robust Workflow Integration

As a platform, NetBrain offers a RESTful API framework which enables integration with other network management solutions. NetBrain correlates data across commonly used tools supporting three key use cases:

- **API-triggered diagnosis:** A NetBrain diagnosis can be triggered by an event from a ticketing or monitoring system for instant analysis and visualization of data.

- **Map as a single pane of glass:** Data from 3rd party IT solutions can be displayed on a Dynamic Map, providing information contextualized to the task at hand.

- **Single source of truth:** NetBrain can be synchronized with asset data from external CMDBs while also providing RESTful APIs for other tools to read data from.
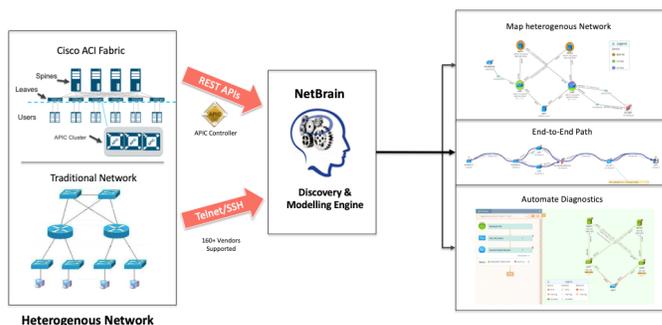
Visualize and Automate

NetBrain supports multivendor and hybrid (physical, virtual, and software-defined) environments to provide true end-to-end visbility:

- **Analyze any network device:** Supports any type of network device, including routers, switches, firewalls, load balancers, and wireless access point.

- **Multi-vendor platform:** Supports hundreds of hardware models across dozens of vendors out-of-the-box with broader support achieved through a multi-vendor framework

- **Network virtualization:** Supports modern virtualization technologies such as vPC, fabric path, HSRP, and VRRP for visualization of redundancy and load balancing