

Top 10 Use Cases of NetBrain

These use cases are well-known problems which are uniquely addressed by NetBrain’s Adaptive Network Automation platform.

Key NetBrain Features:

- I. Dynamic Map
- II. Executable Runbook
- III. Rich API Integration

Top-10 Use Cases:

	Common Use Cases	Pain Points	NetBrain Deliverables
1	Map as the Single Pane of Glass	Information is spread across many network tools making it difficult to find and leverage	<ul style="list-style-type: none"> ○ Integrate NetBrain with 3rd party NMS solutions to visualize data in a single place ○ Use ‘Data View’ to dynamically turn on/off layers of data on one map ○ Search/drag/drop CLI or 3rd party data to map
2	Automate Network Documentation	Painstakingly slow to create and update manual diagrams	<ul style="list-style-type: none"> ○ Deep network discovery analyzes network topology and underlying L2/L3 design ○ Automate creation of site maps, L2/L3 maps ○ Keep maps updated automatically ○ Automate customized inventory reports
3	Dynamically Map Traffic Flows	Traceroute is not enough - better path visibility is needed, especially for troubleshooting	<ul style="list-style-type: none"> ○ Map live or historic traffic path end-to-end between any two endpoints ○ Analyzes routing, NAT, ACLs, VRF, and more ○ Map across multivendor, hybrid networks
4	Guide Engineers with Best Practices	Teams struggle to implement best practices and standardize troubleshooting methodologies	<ul style="list-style-type: none"> ○ Digitize best practices with Runbooks ○ Automate workflows with Runbook execution ○ No programming required to build automation ○ Results tracked inside Runbook automatically
5	Automate Troubleshooting	Troubleshooting is like finding a needle in a haystack. Network diagnosis is very manual and time-consuming	<ul style="list-style-type: none"> ○ Dynamically map problem area of network ○ Automate 100s of diagnoses with Runbooks ○ See what changed to cause the problem
6	Improve Troubleshooting Collaboration	When engineers collaborate, it is difficult to share information. As a result, work is often duplicated	<ul style="list-style-type: none"> ○ Share troubleshooting Runbooks ○ Track user activity in the map ○ Work collaboratively with one map and easily share map via URL
7	Isolate & Mitigate Security Attacks in Real-Time	During an attack, network and security teams scramble to validate the threat and understand which part of the network is impacted.	<ul style="list-style-type: none"> ○ NetBrain security diagnosis triggered via API (via IDS/SIEMS event) ○ Map the path of a DoS attack across network ○ Visualize performance impact on the map
8	Enhance Security Collaboration	Network and security teams are not on the same page during a security event.	<ul style="list-style-type: none"> ○ Security and network teams collaborate from one map URL ○ Security policies are validated with Runbook automation
9	Proactively Guard against Misconfiguration	50% of outages are traced to a network change. It is challenging to safeguard against misconfigurations.	<ul style="list-style-type: none"> ○ Validate configuration and security requirements with Runbook automation ○ Proactively trigger a design validation from event management system integration
10	Streamline Change Management Workflows	Handoff between design, implementation, and operations teams is challenging	<ul style="list-style-type: none"> ○ Define scope of network changes with a map ○ Execute changes with automation ○ Validate change impact with Runbooks