

What's New in NetBrain 10.0

Scale Automation to Any Network, Any Engineer, and Any Problem



What's New in NetBrain 10.0



Multi-cloud Support

1	Visual Cloud Management
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Collaborative Incident Management

2	NetBrain Incident
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3	SmartCLI
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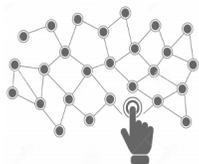
4	Incident Portal
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No-code/ Low-code Automation

5	Visual Parser
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6	Feature Intent Template
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Intent Based Automation

7	Network Intent
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8	Adaptive Monitoring
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9	Decision Tree
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SCALABLE AUTOMATION

1. Scale to **Any Network...**

2. Scale to **Any Person...**

3. Scale to **Any Problem...**

Visual Cloud Management

Automation for ANY network

Scalable Automation for all your infrastructure –

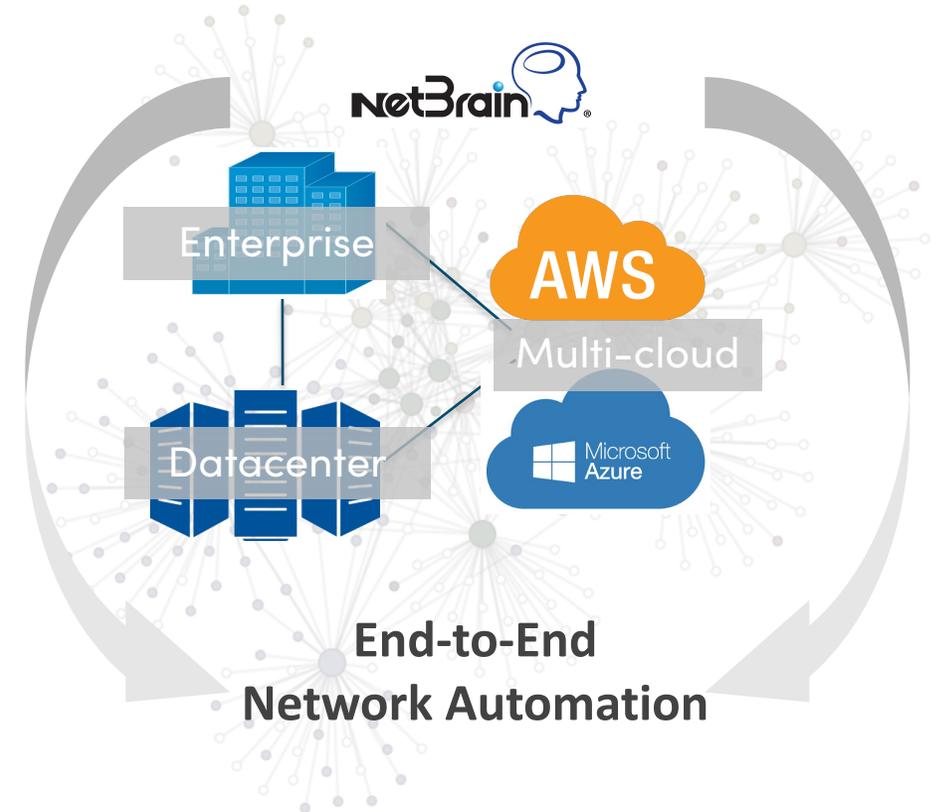
From Enterprise to Datacenter to SDN.

And now to Multi-cloud.

NetBrain 10.0 now offers native support for Amazon Web Services (AWS) and Microsoft Azure public cloud environments.

Accelerate your Cloud Initiatives

- ✓ **Accelerate cloud operations** with real-time end-to-end views from on-prem to public cloud infrastructures
- ✓ **Reduce MTTR** with NetBrain's Runbook Automation now extended to cloud
- ✓ **Reduce tool silos** with single-pane-of-glass view for cloud-centric operational data
- ✓ **Map application dependencies** across multi-cloud networks



Visual Cloud Management

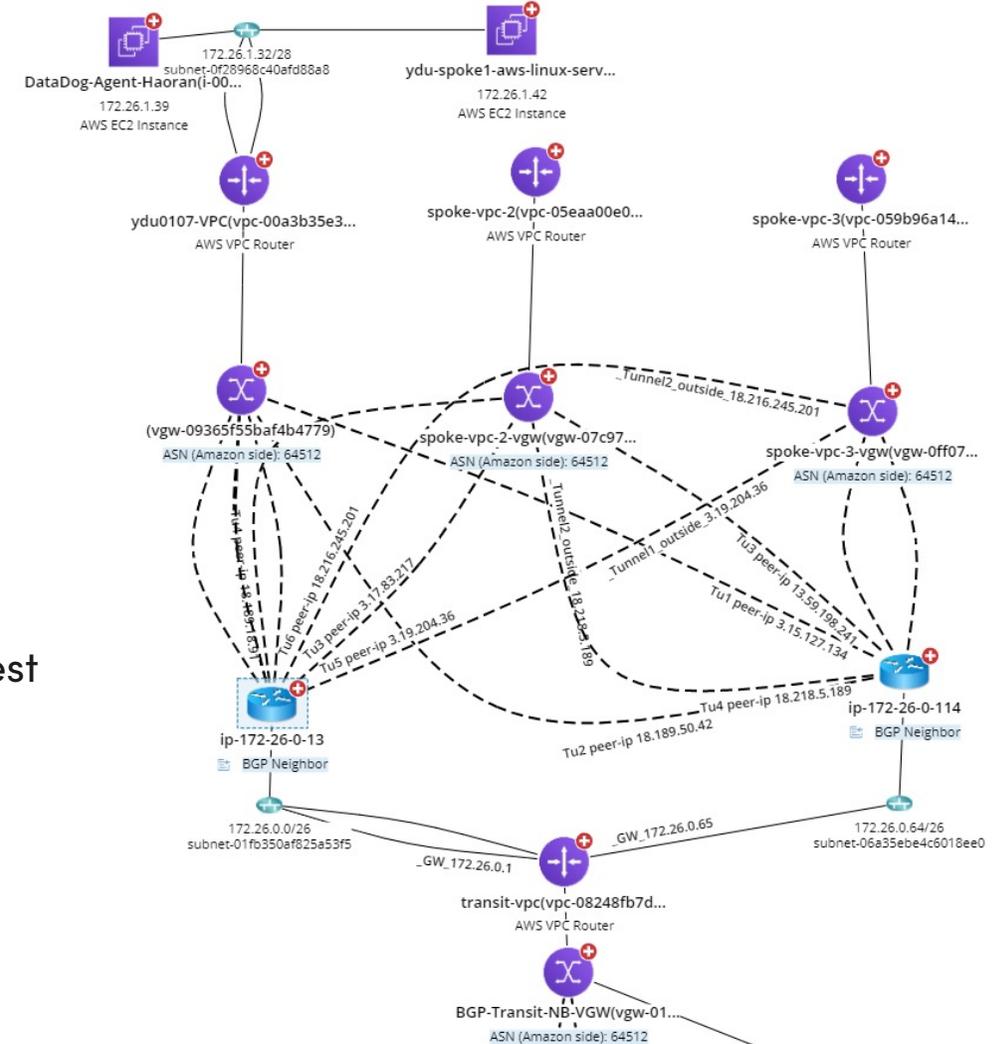
Challenges

Today's hybrid infrastructure teams struggle with:

- Increased MTTR due to operational challenges
- Tool silos from separate management of on-prem & cloud networks
- Lack of visibility across full hybrid and multi-cloud landscape
- Multiple teams managing different pieces of the environment

Key Benefits

- ✓ Auto discover AWS & Azure networks - including virtual route tables
- ✓ Scalable multi-account cloud operations platform to tackle the largest environments involving thousands of accounts
- ✓ Hierarchical Network Tree View for all AWS and Azure resources
- ✓ Instantly map any public cloud resource
- ✓ Map end-to-end paths across hybrid networks in high-res detail
- ✓ 3rd party cloud management tool integration for Datadog, Splunk, Dynatrace, AWS Cloud Watch, Azure Monitor, and more
- ✓ Runbook automation for hybrid cloud troubleshooting



Incident-Based Collaboration

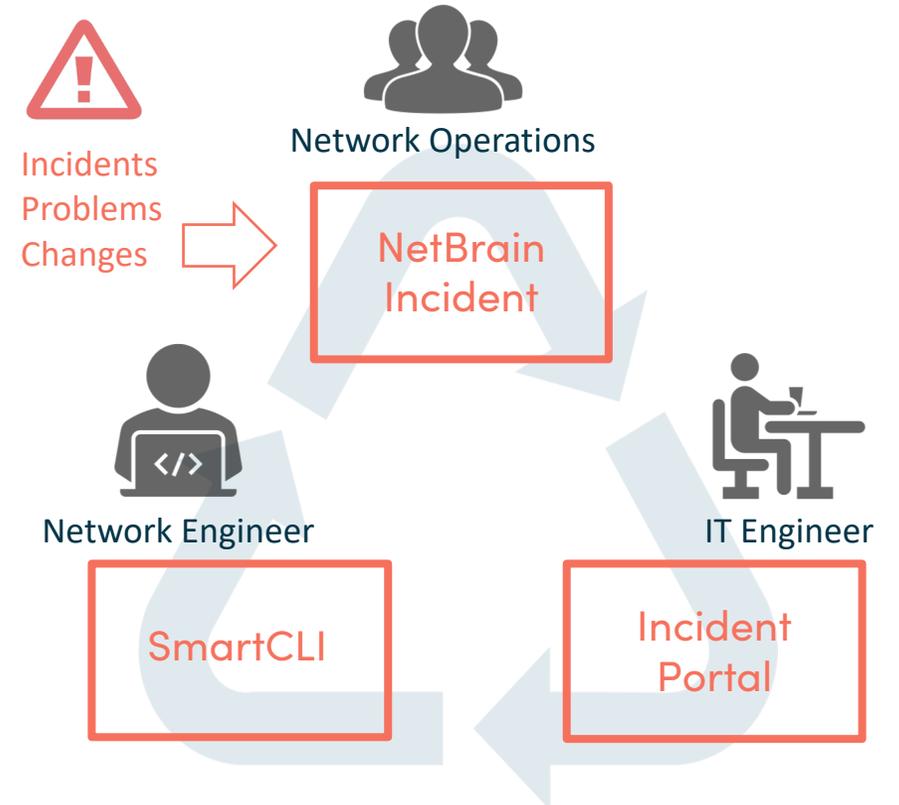
Collaborative Network Troubleshooting

Troubleshoot your network with ANY PERSON in IT.

NetBrain Incident is your automation toolkit for communication & collaborative working of any network incident, problem, or change.

Cross-team Investigations, Made Easy

- ✓ **NetBrain Incident** – Real-time communication and collaboration platform for incident and problem response, planning, or change
- ✓ **Incident Portal** – Collaborate with anyone in IT using NetBrain's dedicated per-incident web portal. No license needed to access Incident Portal!
- ✓ **New SmartCLI** – Intelligent CLI client for collecting, analyzing, and sharing real-time machine data



Incident-Based Collaboration

Challenges

Today's hybrid infrastructure teams struggle with:

- Cross-team collaboration for real-time troubleshooting
- Incident trackers typically lacking topology and other detailed data
- Challenges in organizing findings and actions taken when dealing with lengthy or complex network problems

Key Benefits

- ✓ Centrally track all data and findings for complex problems under one incident ID
- ✓ Collaboratively troubleshoot troubleshooting for real-time, cross-team investigations
- ✓ Easily share diagnostics with anyone, in real-time

The screenshot displays the NetBrain Hybrid Map interface. The main area shows a network topology with nodes like BJ_core_3550, NY-core-bak, BJ*POP, BSTX Core, BST_POP2, and BST_POP1. Each node has associated metrics such as five_min_cpu_usage, mem_util, and cpu_util. A red box highlights the BJ*POP node with a 'High CPU Utilization' alert. The interface includes a 'Messages' panel on the right with chat messages from User 2, Admin, and User 1. A 'Members' list is also visible. A red callout box with the text 'Publish to Incident Portal' is overlaid on the interface. The bottom of the screen shows a 'Powered by NetBrain' logo.

No-code/Low-code Automation

Your Automation Builder Toolkit

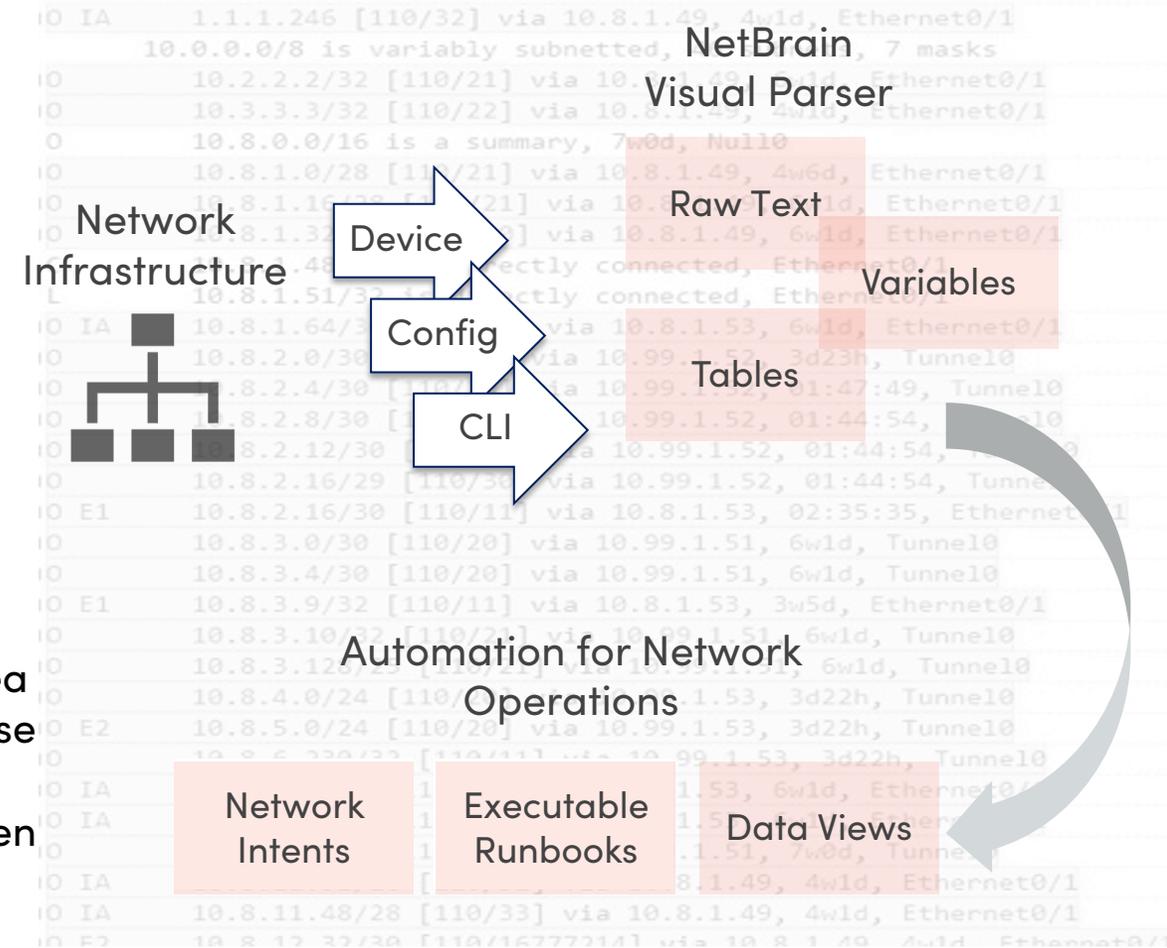
Democratize Network Automation.

Enable ANYONE to build & deploy automations for network operations.

NetBrain 10.0 provides a powerful automation builder toolkit enabling anyone on the team to contribute to operational automations using NetBrain's no-code/low-code mechanisms.

Automation for Any Engineer

- ✓ **Visual Parser** – Use no-code Visual Parser to sort through a sea of network data to quickly isolate task-specific variables for use in automations
- ✓ **Feature Intent Template** – Provides low-code template-driven automation building blocks to rapidly build and scale new network automations across the organization.



No-code/Low-code Automation

Challenges

Roadblocks impede team's abilities to modernize and automate network operations.

- Network operations engineers may not have necessary coding skills
- The number of network tasks needing automation is huge
- Building automations for multi-vendor networks are difficult given differences in CLI between vendors

Key Benefits

- ✓ **Quickly isolate** – Low-code visual mechanism to enable engineers to quickly find useful network variables for use in automations
- ✓ **For everyone** – Visual toolkit enabling anyone in IT to contribute to building flexible automations
- ✓ **Vendor-neutral automations** – Generate flexible, platform-agnostic diagnostic automations
- ✓ **Scalable deployment** – Batch generate automation objects at scale, for the largest IT environments

```
1 BJ*POP>show interface
2 FastEthernet0/0 is up, line protocol is up
3 Hardware is MV96340 Ethernet, address is 0021.5509.b520 (bia 0021.5509.b520)
4 Description: this is a test '!@#%&*^&*)(_+*=][[:":|<>/.,\'; aaa
5 Internet address is 172.24.32.225/28
6 MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
7 reliability 255/255, txload 1/255, rxload 1/255
8 Encapsulation ARPA, loopback not set
9 Keepalive set (10 sec)
10 Full-duplex, 100Mb/s, 100BaseTX/FX
11 ARP type: ARPA, ARP Timeout 04:00:00
12 Last input 00:00:00, output 00:00:00, output hang never
13 Last clearing of "show interface" counters never
14 Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
15 Queueing strategy: fifo
16 Output queue: 0/40 (size/max)
17 5 minute input rate 326000 bits/sec, 223 packets/sec
18 5 minute output rate 79000 bits/sec, 125 packets/sec
19 576724345 packets input, 3826983744 bytes
20 Received 280695 broadcasts, 0 runts, 0 giants, 0 throttles
21 0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
```

22

23

24

25 ID Line Pattern

26 A: ≡

27 + ID Line Pattern

28

29

30

31 Variable Line Pattern

32 1: ≡

2: ≡

3: ≡

+ Variable Line Pattern

Intent-Based Automation

Automation for ANY Problem

When services are impacted, teams quickly scramble to verify designs, from QoS to multicast to load balancing to routing & switching to security.

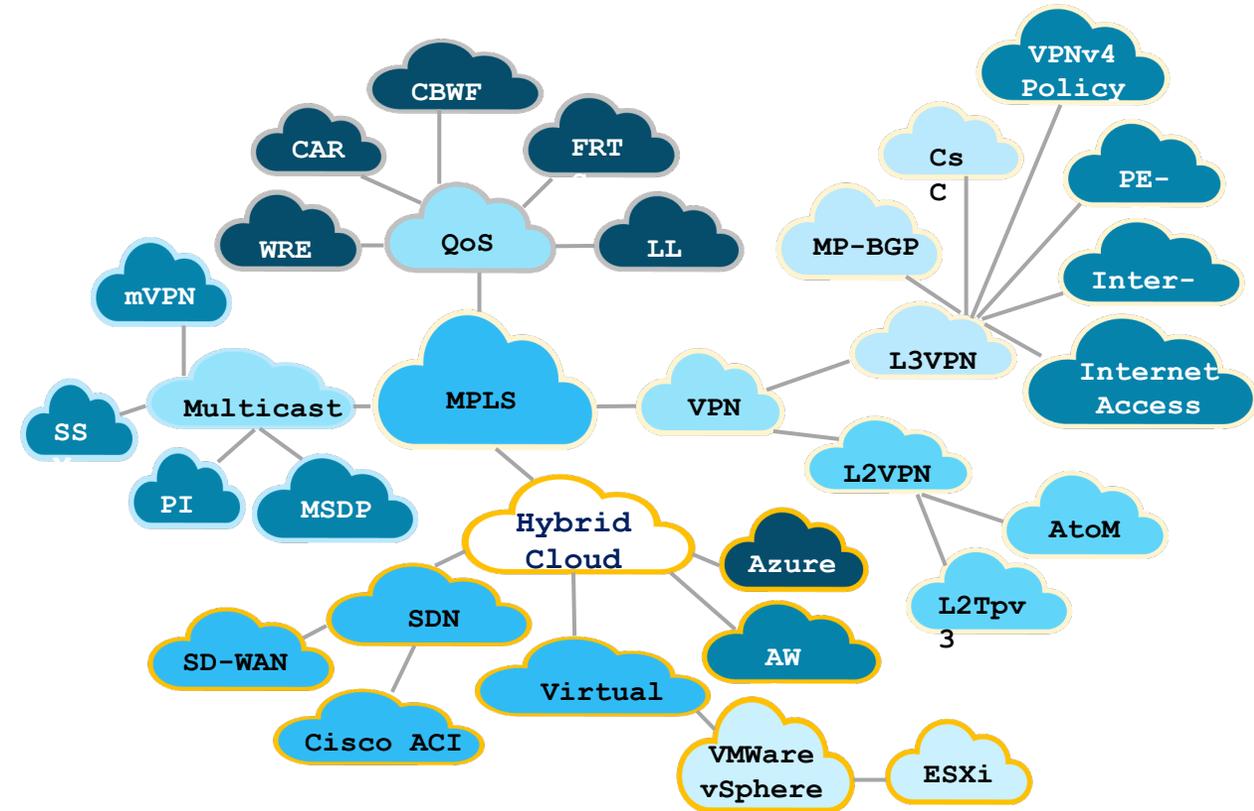
NetBrain 10.0 provides Intent Based Automation For tackling the most complex of network problems, end to end, specific to each network intent.

Operate your Network with Intent

- ✓ **Network Intent (NI)** – New automations to perform complex verifications & validation of any network design and notify on violations
- ✓ **Adaptive Automation** – Proactive monitoring, to automatically catch problems before they strike
- ✓ **Decision Tree** – as your executable troubleshooting flow chart for knowledge sharing and automation workflow

Network Operations:

An ocean of platforms, vendors, & features



Intent-Based Automation

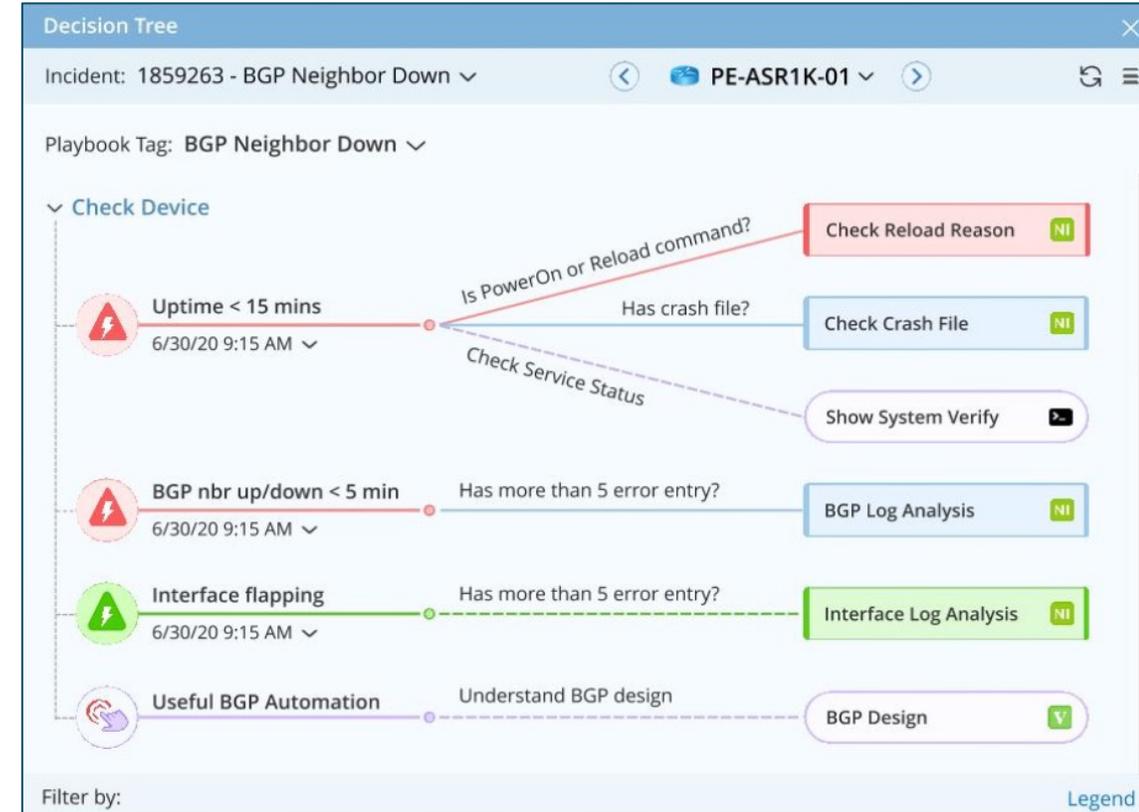
Challenges

Today's hybrid infrastructure teams struggle with:

- Blind spots with traditional fault detection that misses issues like configuration drift and other implementation errors
- Timely problem resolution across the most complex networks
- Inability to catch network issues before services are impacted
- Skill & team silos to manage diverse network designs and technologies

Key Benefits

- ✓ **Catch more problems** – Fill blind spots missed by traditional SNMP fault detection
- ✓ **Solve more problems** – Automate the diagnosis of the most complex network problems
- ✓ **Prevent more problems** – Proactively monitor to catch problems before they strike
- ✓ **Shift team knowledge** – Design-specific automations usable by anyone on the team
- ✓ **Operational assuredness** – Automatically validate network designs



NetBrain 10.0 Scales Automation Across Network Operations

For Any Network

End-to-End Automation:

- Scalable automation across Physical Network, to SDN/SD-WAN, to multi-cloud
- Native support for AWS & Azure

For Any Problem

Intent Based Automation:

- Proactive Automation to catch problems before they impact services
- Scalable automation for the most complex network problems

For Any Person

Collaborative Low-code Platform:

- Enable anyone on the team to deploy automations using NetBrain's no-code/low-code automation builder toolkit
- Collaboratively troubleshoot any incident, problem, or change in real-time

What's Next:

- Already a customer? Request an Upgrade [here](#).
- Or watch our [recorded webinar](#) to see Release 10.0 in action.
- Or see a customized demo of NetBrain [here](#).



Thank You!

Founded in 2004, NetBrain is the market leader for network automation. Its technology platform provides network engineers with end-to-end visibility across their hybrid environments while automating their tasks across IT workflows. Today, more than 2,400 of the world's largest enterprises and managed services providers use NetBrain to automate network documentation, accelerate troubleshooting, and strengthen network security—while integrating with a rich ecosystem of partners. NetBrain is headquartered in Burlington, Massachusetts, with offices in Sacramento, California; Munich, Germany; London, the United Kingdom; Toronto, Canada and Beijing, China.

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