

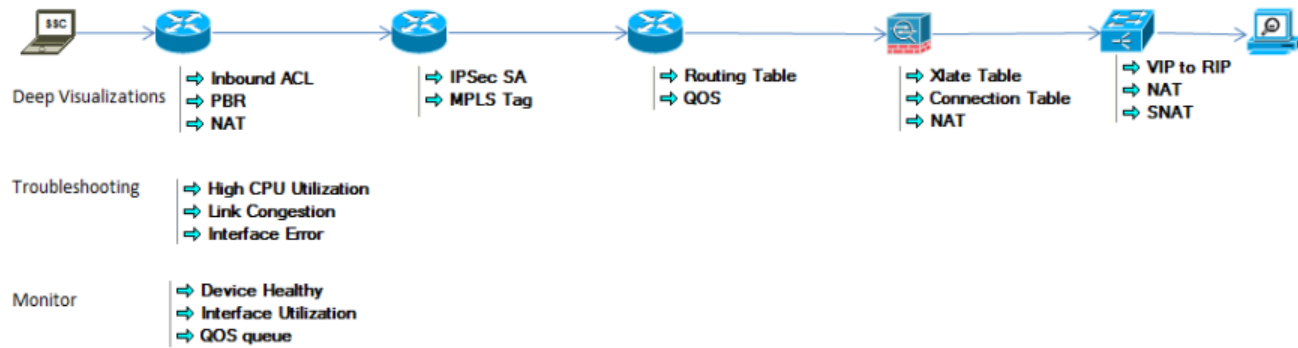


NetBrain® Integrated Edition 7.1

Path Technologies for Different Vendors

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NetBrain dynamic path feature visualizes the forwarding of the packet and emulates the real packet forwarding process by looking up route tables in your live network and provides end-to-end visibility across any network path. Besides looking up route tables to find the next hop, It can also look into PBR, NAT, ACL, firewall policy and other traffic control technologies to ensure the correctness of a path.



This document introduces the vendors and device types that NetBrain support to parse in terms of the following special path technologies when NetBrain calculate a path:

- Policy
- ACL
- PBR
- NAT
- SNAT
- MPLS VPN
- IPsec VPN
- GRE VPN
- MPLS TE
- Fabricpath

Firewalls

Device Type	Policy	ACL	PBR	NAT	SNAT	MPLS VPN	IPsec VPN	GRE VPN	Pure MPLS	MPLS TE	Virtual Server	Fabricpath
Checkpoint Firewall	√	√		√			√					

Device Type	Policy	ACL	PBR	NAT	SNAT	MPLS VPN	IPsec VPN	GRE VPN	Pure MPLS	MPLS TE	Virtual Server	Fabricpath
Cisco ASA Firewall		√		√			√					
Cisco PIX Firewall		√		√			√					
Fortinet FortiGate Firewall	√	√	√	√				√				
Juniper SRX Firewall	√	√	√	√		√	√	√				
NetScreen Firewall	√	√	√	√			√					
Palo Alto Firewall	√	√	√	√			√					
Sidewinder Firewall							√					

Routers

Device Type	ACL	PBR	NAT	SNAT	MPLS VPN	IPsec VPN	Pure MPLS	GRE VPN	MPLS TE	Virtual Router	Fabricpath	Policy
Alcatel Lucent Service Router	√	√			√				√			
Cisco IOS XR	√				√		√		√			
Cisco Router	√	√	√		√	√	√	√	√			
Juniper Router	√	√	√		√	√		√	√			
Viptela						√						

Switches

Device Type	Policy	ACL	PBR	NAT	SNAT	MPLS VPN	Pure MPLS	IPsec VPN	GRE VPN	MPLS TE	Route Table	Virtual Server	Fabricpath
Adtran Switch													
3Com Switch													
Arista Switch													
Brocade Switch						√							
Ciena Switch													
Cisco Catalyst Switch													
Cisco IOS Switch		√	√	√		√	√	√	√				
Cisco Nexus Switch		√	√			√	√						√
Dell Force 10 Switch		√	√										
Dell Networking Switch		√	√										
Dell Sonicwall	√			√				√					
Dell PowerConnect Switch													
Enterasys Switch													
Extreme Switch		√				√				√			
HP Menu-Driven Switch													
HP ProCurve Switch													
Juniper EX Switch	√	√	√			√			√				
Nortel Switch													

Load Balancer

Device Type	Policy	ACL	PBR	NAT	SNAT	MPLS VPN	Virtual Server	IPsec VPN	GRE VPN	MPLS TE	Fabricpath	Pure MPLS
F5 Load Balancer					✓		✓					
Netscaler Load Balancer							✓					
Cisco ACE Load Balancer							✓					
Cisco CSS Load Balancer												
A10 Load Balancer												

Tip:

- See the [Multiple-vendor Support List](#) for details about the basic traffic path support of a device type. If a device type is in the Tier-2 level, it means that this device type supports the basic L2 or L3 traffic path in NetBrain.
- For devices that NetBrain does not recognize these special technologies as described above, you can use the traceroute function to obtain the traceroute hops and diagram the path on a map with the traceroute hops.

The screenshot displays the 'Traceroute-Result' window in NetBrain. The 'From' field is set to 'WIN-P1KVUSLGP KU 10.10.7.127' and the 'To' field is 'BJ*POP'. The interface includes a 'Traceroute' button and a search bar. Below the search bar, a table lists the traceroute results:

Hop#	IP Address	Time(ms)
1	10.10.7.253	312
2	172.24.30.2	0
3	172.24.30.6	78
4	172.24.31.125	0
5	172.24.255.8	157

To the right of the text-based result is a network map showing the path between nodes. The nodes are labeled with their IP addresses: 10.10.7.127, 10.10.7.253, 172.24.30.2, 172.24.31.125, and 172.24.255.8. The map shows a path from the source node to the destination node, passing through the intermediate nodes. A blue arrow points to the 'Map' button at the bottom of the window.