NetBrain® Integrated Edition 8.0

Path Technologies for Different Vendors

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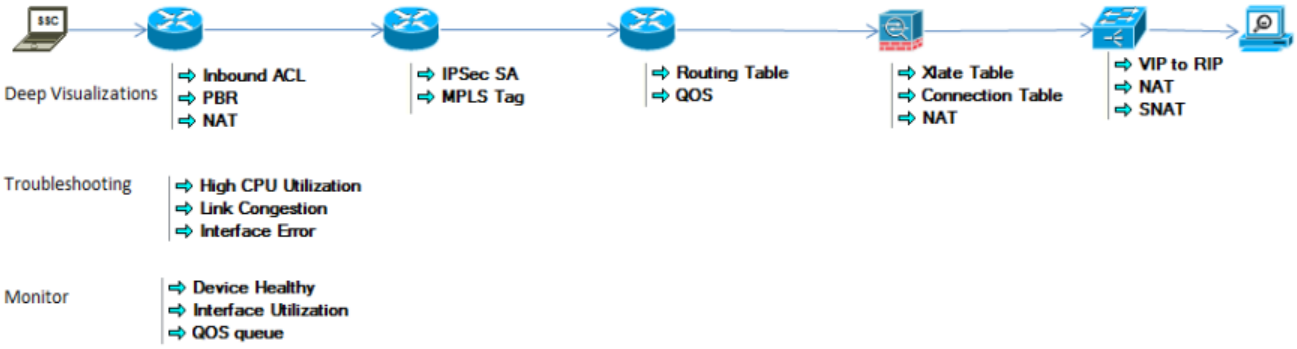
Path Technologies for Different Vendors

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
- OTV
- VPLS
- VXLAN

Firewalls

Device Type	Policy	ACL	PBR	NAT	SNAT	MPLS VPN	IPsec VPN	GRE VPN	Pure MPLS	MPLS TE	Virtual Server	Fabricpath
Checkpoint Firewall	√			√			√					
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	OTV	VPLS
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	OTV	VXLAN
Adtran Switch															

Device Type	Policy	ACL	PBR	NAT	SNAT	MPLS VPN	Pure MPLS	IPsec VPN	GRE VPN	MPLS TE	Route Table	Virtual Server	Fabricpath	OTV	VXLAN
Arista 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.