

v4.1.0 Datasheet



Solution Overview

The IP Fabric platform is a plug-and-play appliance providing in-depth network infrastructure analytics. The platform discovers and maps the entire network infrastructure and creates an essential part of the network engineering toolset. It generates network documentation and compliance reports, tracks changes in the network, pinpoints business productivity bottlenecks, and uncovers errors and hidden risks causing intermittent outages or helps to mitigate outages in the future. Thanks to the Snapshots feature, it's easy to create a historical correlation between the past and present state of the network.



Network Documentation

- Detailed network inventory, including devices, modules, interfaces and components
- Fast and complete network infrastructure discovery
- Low-Level Design documentation for each site in MS Word format
- User location and endpoint connectivity mapping
- Flexible API-to-PDF reports



Network History

- Each network discovery creates a digital snapshot of the network
- Snapshots can be compared, exported, imported, cloned, archived elsewhere
- Creates historical correlation between past and present state



Dynamic Network Visualization Distribution Options

- Diagrams are entirely interactive and automated
- Site connectivity diagrams (ARP, CEF, RIB, STP, CDP, LLDP)
- Routing diagrams (CEF, RIB, RIP, OSPF, OSPFv3, EIGRP, IS-IS, BGP, Multicast Routing)
- Switching diagrams (STP), MPLS diagrams (LDP)
- ACI or VXLAN topology maps
- Complete Host-to-Gateway application path simulation (MAC, STP, ARP).
- Complete End-to-End path simulation (FEX, VSS, MAC, STP, ARP, CEF, MPLS, Multicast, ACI, VXLANs, VARP)
- Wired and Wireless users and IP Telephony connectivity maps (MAC, STP, ARP)



Uncovering Hidden Risks & Productivity Bottlenecks

- Network Analysis Reports in MS Word format
- Network stability, resiliency, and compliance verification; Risk severity evaluation
- Transmission quality verification for loss and errors
- Calculation of impact to users and productivity
- Lifecycle milestone tracking for the managed network devices, such as End of Support
- End of Life, End of Sale, End of Maintenance milestones data



Change and Configuration Management

- Change tracking for network connections, topology, and IP addresses
- Configuration change tracking for managed network devices
- Compare any two network snapshots, determining network state differences over time
- Compare different configuration files
- Flexible, complete snapshot comparison over API
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Continuous Audit

- Assurance Dashboard with 120+ out-of-the-box intent rules
- Detailed analysis of dynamic network protocol behaviour
- Continuous best-practice compliance verification improves operational consistency
- Expected state verification and in-depth analysis.

Platform Compatibility List

- Arista
- AWS Networking (VPC, transit gateway, routing tables)
- Checkpoint
- Cisco (Catalyst, ISR, ASR, CRS, Nexus, ASA, WLC, SG, Firepower, ACI)
- Cisco Meraki (API discovery)
- Dell (FTOS, Power Connect)
- Extreme (EOS, Enterasys, Avaya)
- Fortinet
- F5 BIG-IP
- FRRouting
- HP (Comware, Aruba switch, ProCurve, Aruba CX)
- Huawei
- Juniper (EX, MX, SRX, QFX)
- Mikrotik
- Palo Alto
- Quagga
- Riverbed
- Versa SD-WAN
- Cisco SD-WAN (Viptela)

The range of supported manufacturers and device types is continuously expanding.



Supported Technologies

- Clusters, Stacks, FEX, vPC, VDC, PoE, PPPoE
- Interfaces – Drops, Errors, Duplex, MTU, Switchport, Average rates
- CDP, LLDP, Port-Channels
- Spanning Tree (stp, rstp, mstp, pvst)
- ARP, Arista VARP, MAC, IPv4, NAT, VRRP, GLBP, HSRP
- BGP, EIGRP, IS-IS, OSPF, OSPFv3, RIP
- MPLS, LDP, QoS, VPLS, VPWS, CCC, VXLAN
- Multicast (PIM, IGMP Snooping, PIM Rendezvous Points (RP), MRRoute)
- Cisco ACI support (ACI enabled NX-OS)
- AAA, NTP, PTP, Port mirroring, Logging, Flow, SNMP
- ACL, DMVPN, IPSec, 802.1X, Zone firewall, Firewall filters
- Wireless Controllers, Access Points, Radios/BSSID, Wireless Clients
- IP Telephony

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