



SD-Branch Enabling the WAN and Access Edge

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Namur 24th of October 2019

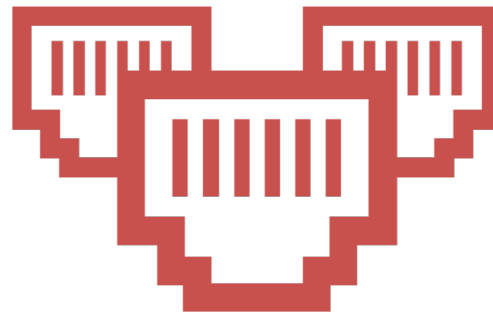


Digital Transformation at the remote branch

Expansion at the WAN edge



Cloud Enabled



**(Optimize WAN
Utilization)**



Simplify Operations

Challenge: New WAN and Access edge paradigm

Each user and device now represents an edge



Lack of Visibility
Poor Performance

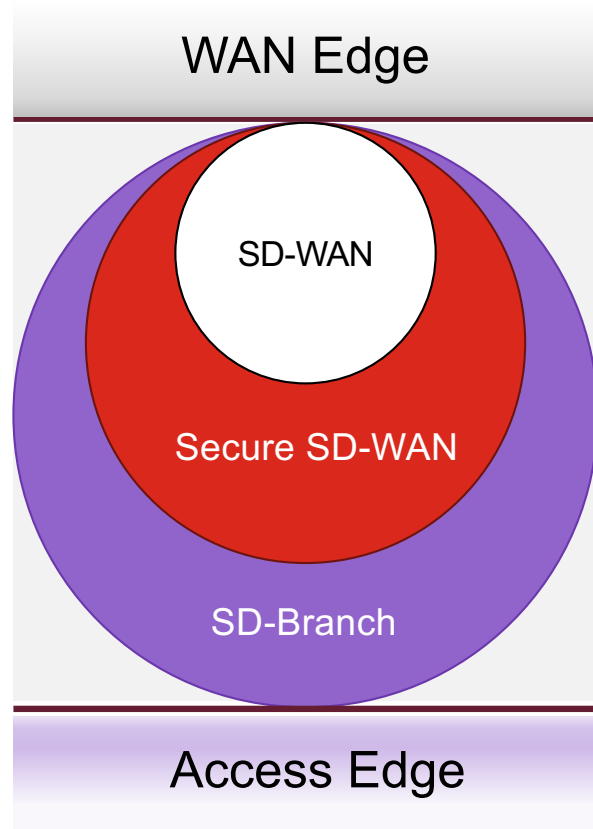


Secure multiple
network edges



Complexity
Too many point products

Evolution of the WAN Edge at the Remote Branch



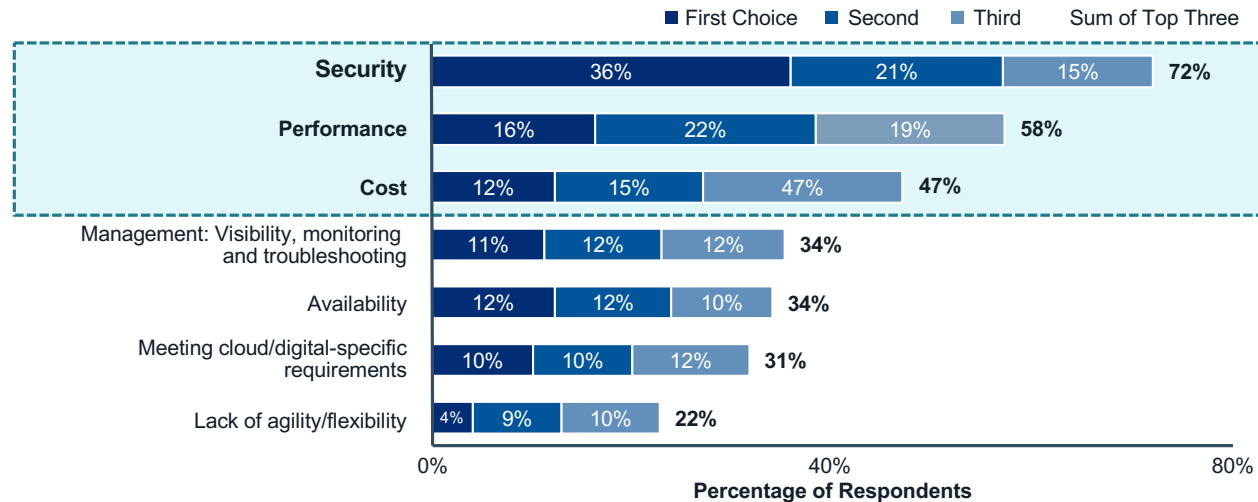
- **Traditional WAN**
- **SD-WAN**
Offers cost savings and improvements but lack Security and Visibility
- **Secure SD-WAN**
Provides visibility and security but there are too many additional point products
- **SD-Branch**
Provides integration of WAN and LAN platforms, extending Secure SD-WAN features into the network.

WHAT DO OTHER PEOPLE SAY?

Fortinet Proven Secure SD-WAN

Gartner: Security is Biggest WAN Concern

Security is the Biggest WAN Concern



Base: Total, excluding no specific concerns; n = 303
Q07: What the top three biggest concerns (if any) with your overall WAN today?
ID: 355369

**Security is the top concern during WAN initiatives,
followed by Application Performance**

Gartner Survey Analysis: Address Security and Digital Concerns to Maintain Rapid SD-WAN Growth, Naresh Singh, 12 November 2018

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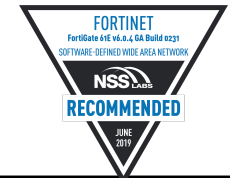
Gartner's 2018 Magic Quadrant for WAN Edge



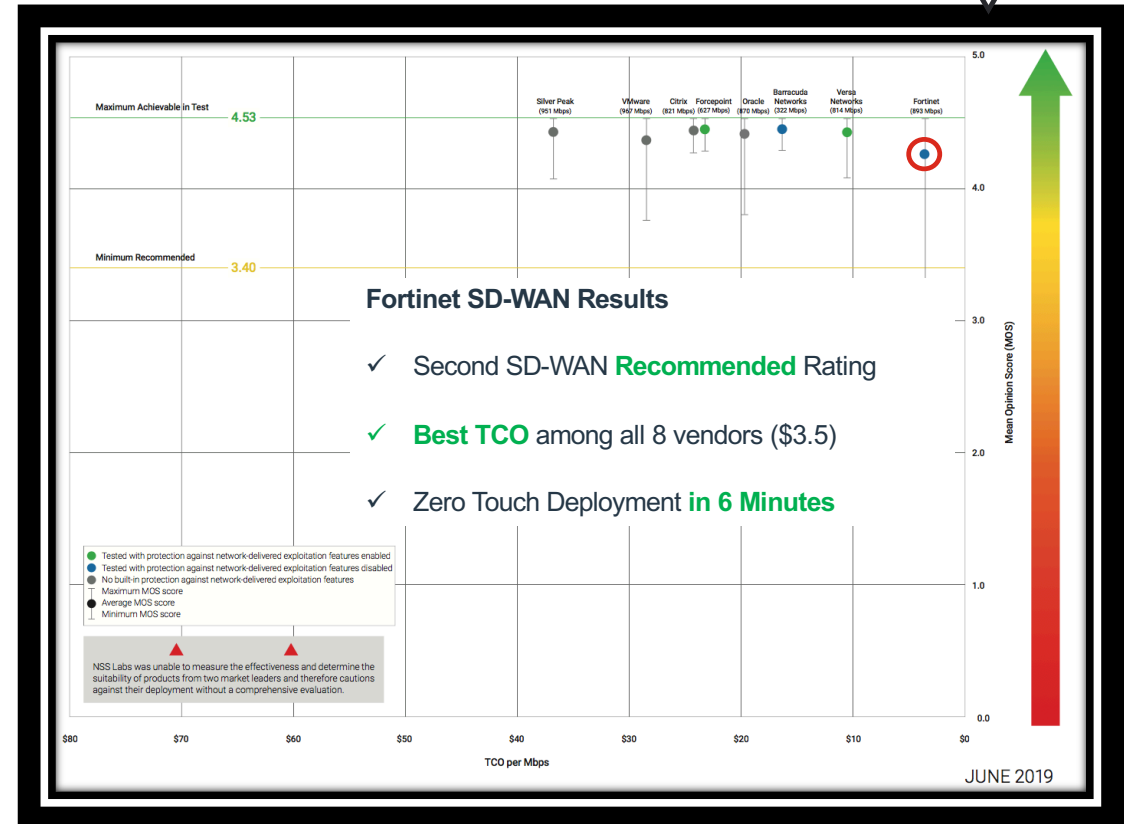
Figure 1. Magic Quadrant for Network Firewalls

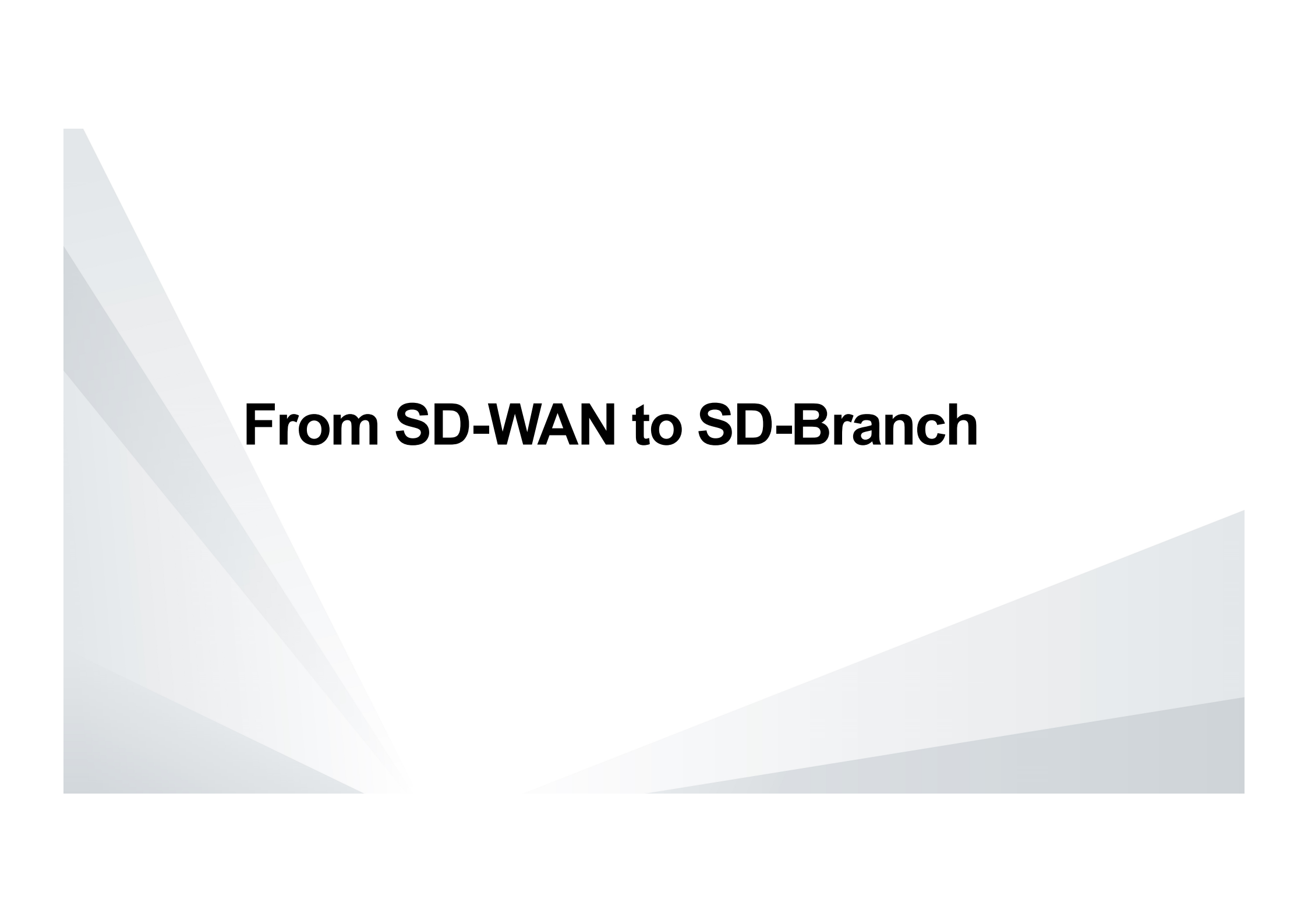


NSS Labs Network Value Map (NVM) SD-WAN 2019



	FortiOS 6.2
WAN path control	✓
Routing, QoS and WAN Optimization	✓
Active Link quality health checks	✓
Application traffic shaping for SD-WAN	✓
BGP Dynamic Routing for SD-WAN	✓
Central SD-WAN Management in FortiManager	✓
Minimum SLA enforcement link steering	✓
Auto failback to primary link	✓
Set link preference in SD-WAN rule	✓
Interface percentage based traffic shaping	✓
IPv6 support	✓
ADVPN (Site to site VPN shortcuts)	✓
Forward Error Correction	✓
Per Packet Distribution	✓
Health Check templates	✓
Per interface QOS	✓
Bandwidth Monitoring Service	✓
Cloud Based Overlay VPN Controller	✓
Application signatures for steering (>5000 apps)	✓





From SD-WAN to SD-Branch

Fortinet Security Fabric

BROAD

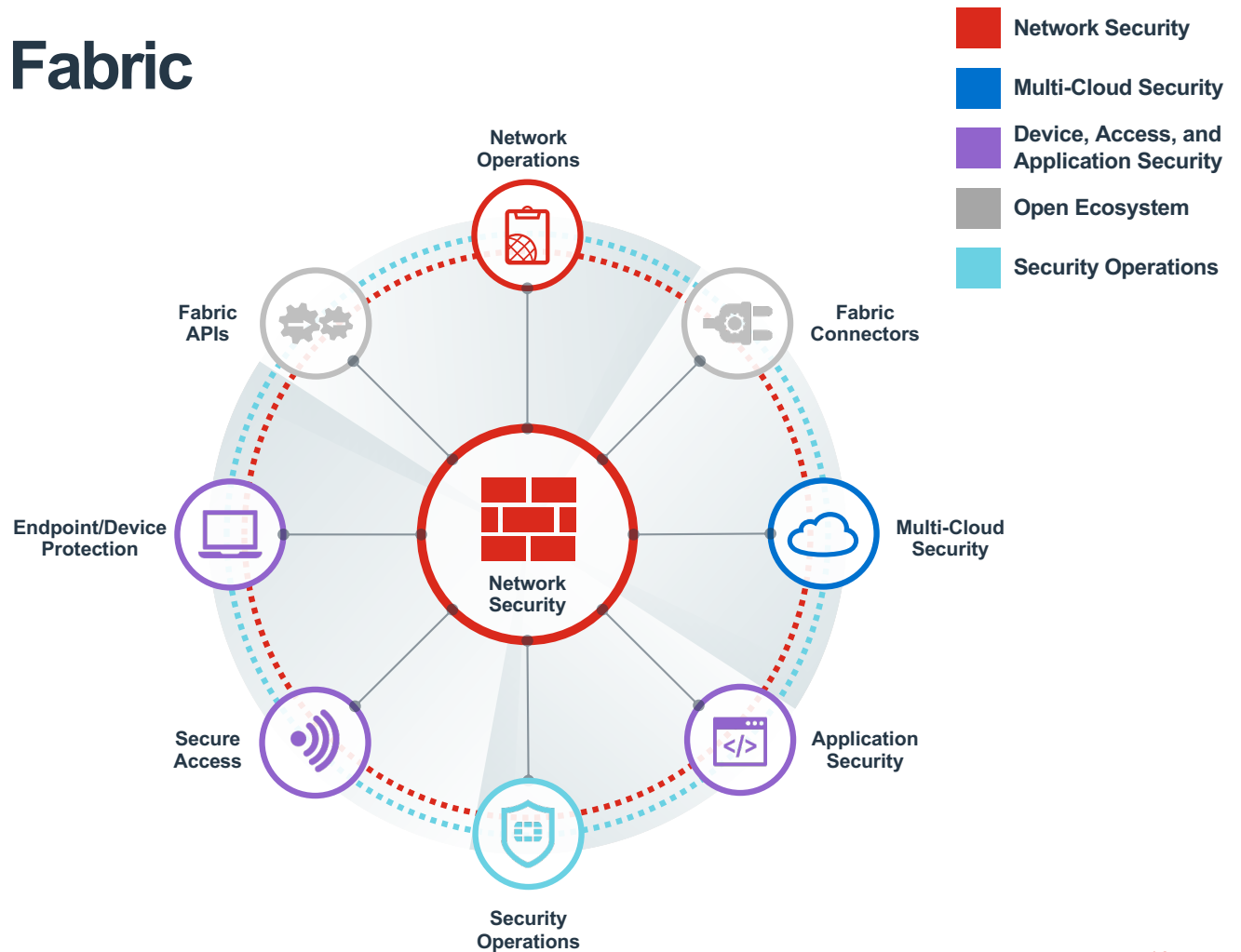
Visibility of the entire digital attack surface

INTEGRATED

AI-driven breach prevention across devices, networks, and applications

AUTOMATED

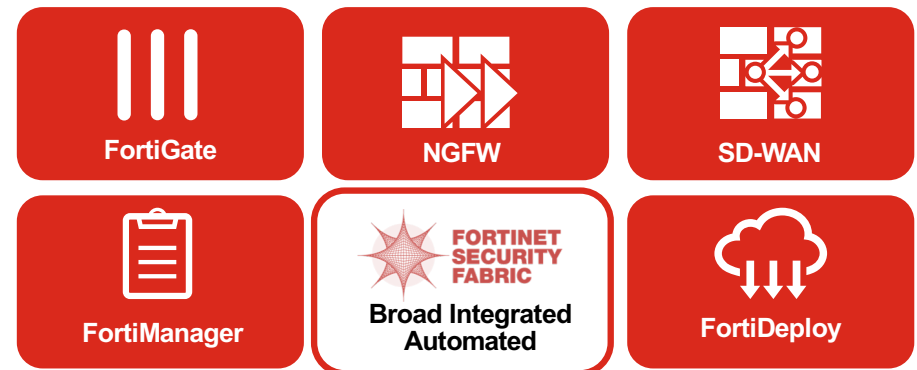
Operations, orchestration, and response



Fortinet Secure SD-WAN

Security, Simplicity, Low Total Cost of Ownership

- Security enabled by FortiGate NGFW
- SD-WAN integrated as feature of FortiGate NGFW
- SD-WAN application steering with high performance on any WAN link
- Single point of management
- Zero touch deployment
- FortiGate through FortiOS, the heart of the Fortinet Security Fabric



Fortinet Secure SD-Branch

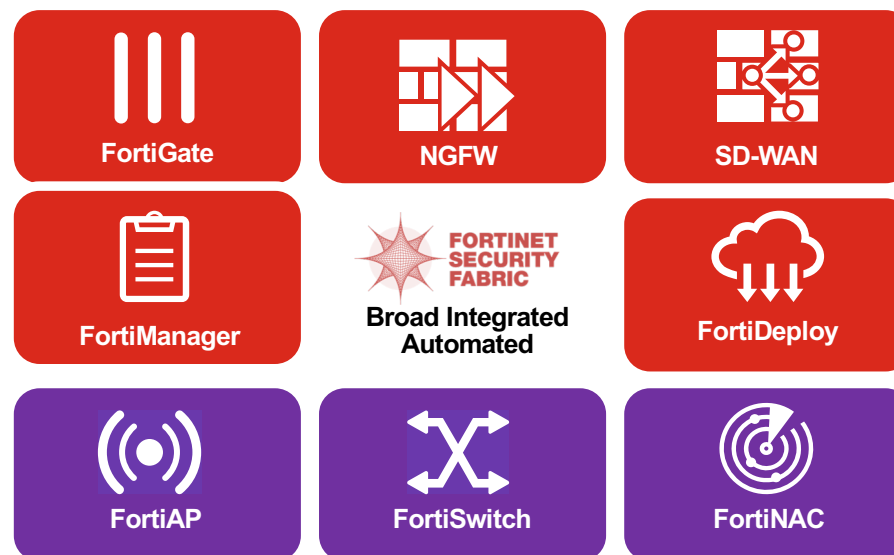
Securing the access edge through Security Driven Networking

Secure Access protecting the access edge

- Offers consolidation through convergence of security and network access.
- FortiSwitch and FortiAP integrated into FortiGate as extensions of the NGFW
- A unique architecture ideal for SD-Branch deployments

FortiNAC protecting the device edge

- Auto discovery, classification, and security of IoT devices as they enter the network.
- Increased visibility and anomaly detection
- FortiGate as a sensor, no additional hardware at branch.



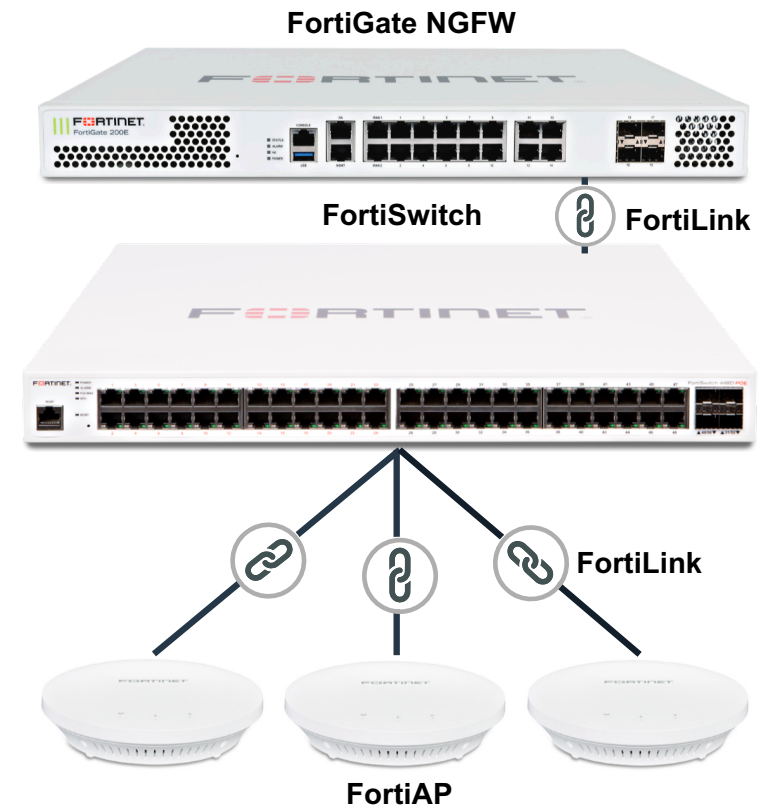
FortiGate Access Management Through FortiLink

Simplicity

- Ease of deployment and management through FortiGate interface
- Flexible architecture, scales as needs change

Integrated Security

- FortiSwitch and FortiAP integrated into FortiGate as extensions of the NGFW
- Firewall and switch ports equally secure, SSIDs tied directly to firewall policies.



Conclusion: Why Secure SD-Branch

Flexible Architecture

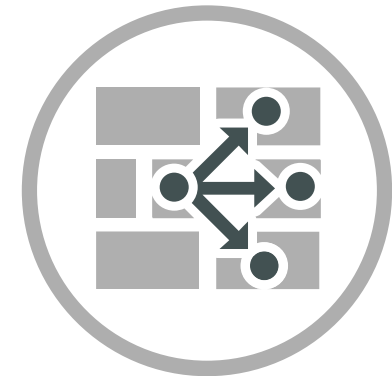
- Scale to meet branch needs

Security

- FortiSwitch and FortiAP integrated into FortiGate as extensions of the NGFW
- FortiNAC Discovery, visibility, security and anomaly detection for IoT

Simplified management

- Zero touch deployment model
- Manage directly from FortiGate or at scale with FortiManager.



SD-WAN



SD-BRANCH

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