



Fortinet Security Fabric

Teemu Schaabl, Solution Architect, Austria

Securing people, devices, and data everywhere.

For over 20 years, Fortinet has been a driving force in the evolution of cybersecurity and the convergence of networking and security. Our security solutions are among the most deployed, most patented, and most validated in the industry.

FORTINET

Founded: October 2000

Founded by: Ken Xie and Michael Xie

Headquarters: Sunnyvale, CA

Fortinet IPO (FTNT): November 2009

Listed in both: NASDAQ 100 and S&P 500

Member of: 2022 Dow Jones Sustainability World and North America Indices

Security Investment Grade Rating: BBB+ Baa1

Global Customer Base

680,000+

Customers

2022 Billings

\$5.59B+

(as of Dec 31, 2022)

Market Capitalization

\$59.38B

(as of June 30, 2023)

Broad, Integrated Portfolio of

50+

Enterprise Cybersecurity Products

Strong Analyst Validation

41

Enterprise Analyst Report Inclusions

Vertical Integration

\$1B+

Investment in ASIC Design & Development



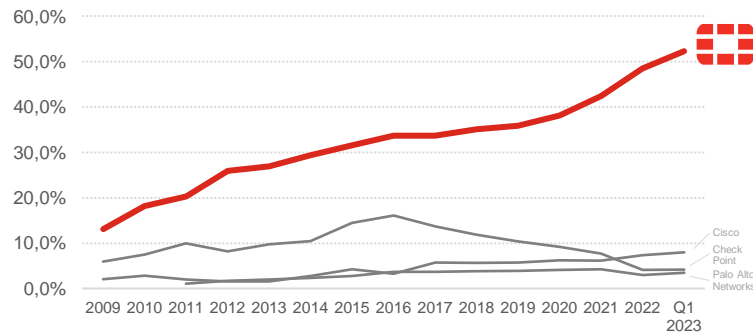
Investing in Innovation for Our Customers

Strong investment in our supply chain

~50%

of All Next-Gen Firewall Shipments & #1 in revenue market share

Global Firewall Shipments



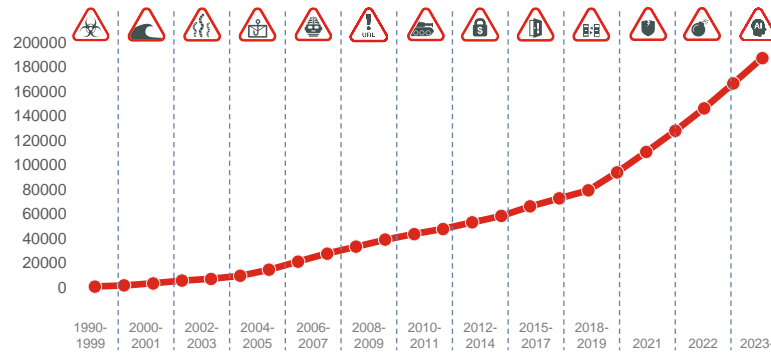
Source: IDC Quarterly Security Appliance Tracker 2023Q1 (based on shipments of Firewall + UTM appliances)

Investment in scale of threat intelligence and AI/ML

100+B

global security events analyzed per day

Advanced Threats – Global CVE

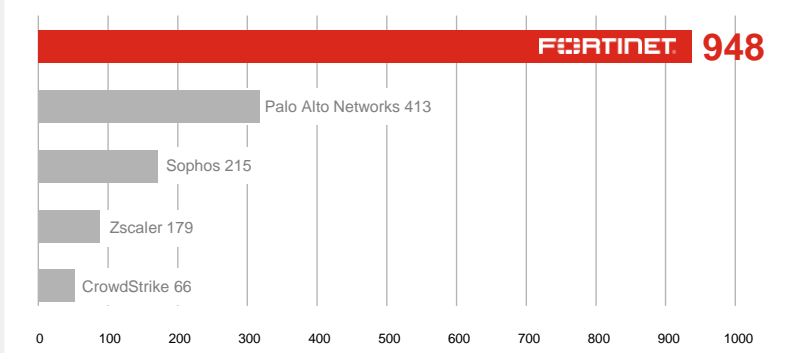


Organic R&D investment across our portfolio

1,285

Global Industry Patents

U.S. Patents



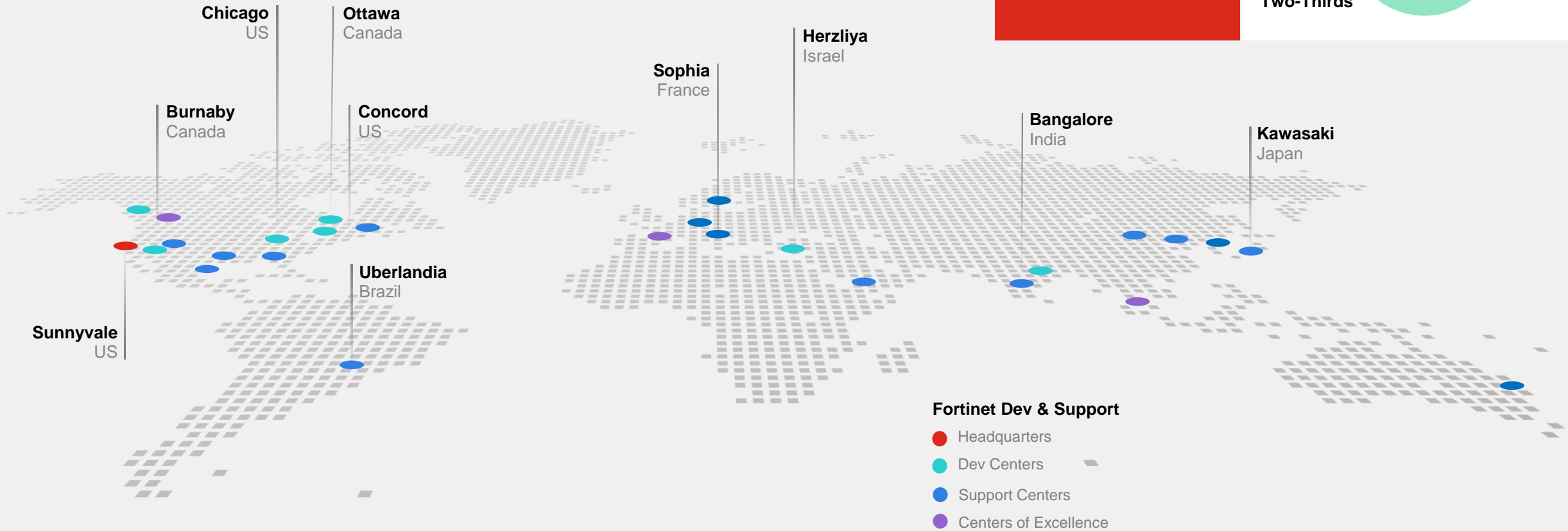
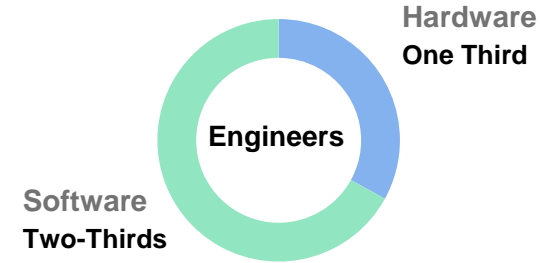
Source: U.S. Patent Office, as of June 30, 2023



Global Reach & Support

Majority of our R&D is based in North America

13,600+
Employees
Worldwide

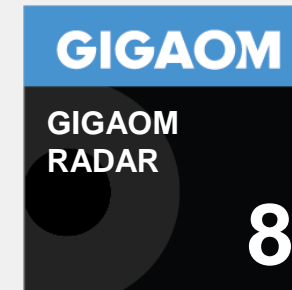
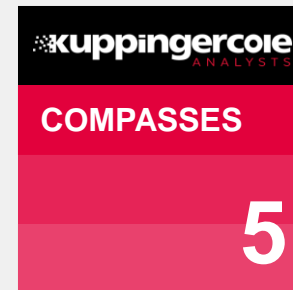
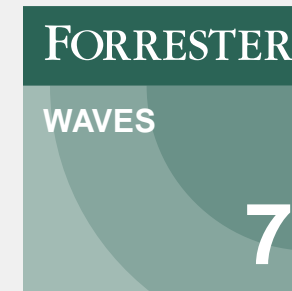
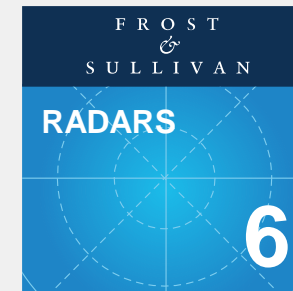


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Enterprise Analyst Reports Validate Fortinet Across Networking & Security

Fortinet is one of the most validated enterprise cybersecurity companies in the world ranking in leadership positions across dozens of analyst reports highlighting the broad application of the Fortinet Security Fabric.

*Analyst validation includes reports where expert and independent 3rd party analysts rank and evaluate vendors: Gartner Magic Quadrants, IDC Marketscapes, Frost & Sullivan Radars, Forrester Waves, Westlands Advisory Platform Navigator, Kuppingercole Compasses, Gigaom Radar.



FortiGuard Labs: Threat Intelligence & Security Services

Founded in 2002, FortiGuard Labs is Fortinet's elite cybersecurity threat intelligence and research organization. We develop and utilize leading-edge machine learning and AI technologies to provide customers with timely and consistently top-rated protection and actionable threat intelligence.

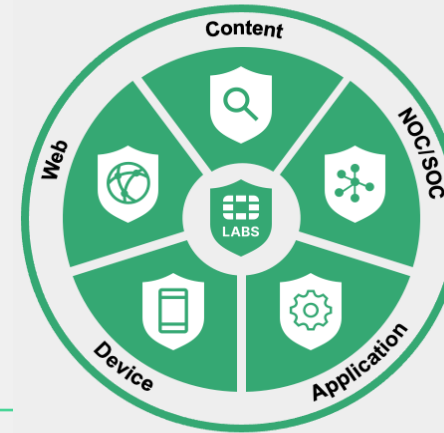
Global Leadership & Collaboration:



FortiGuard Labs Real-Time Threat Intelligence



FortiGuard AI-Powered Security Services



FortiGuard Expert Services



500+ FortiGuard Labs Global Threat Hunters and Researchers

600K+ Hours of Threat Research a Year

480+ TI, detection, enforcement and remediation partners



Fortinet Security Fabric

Broad

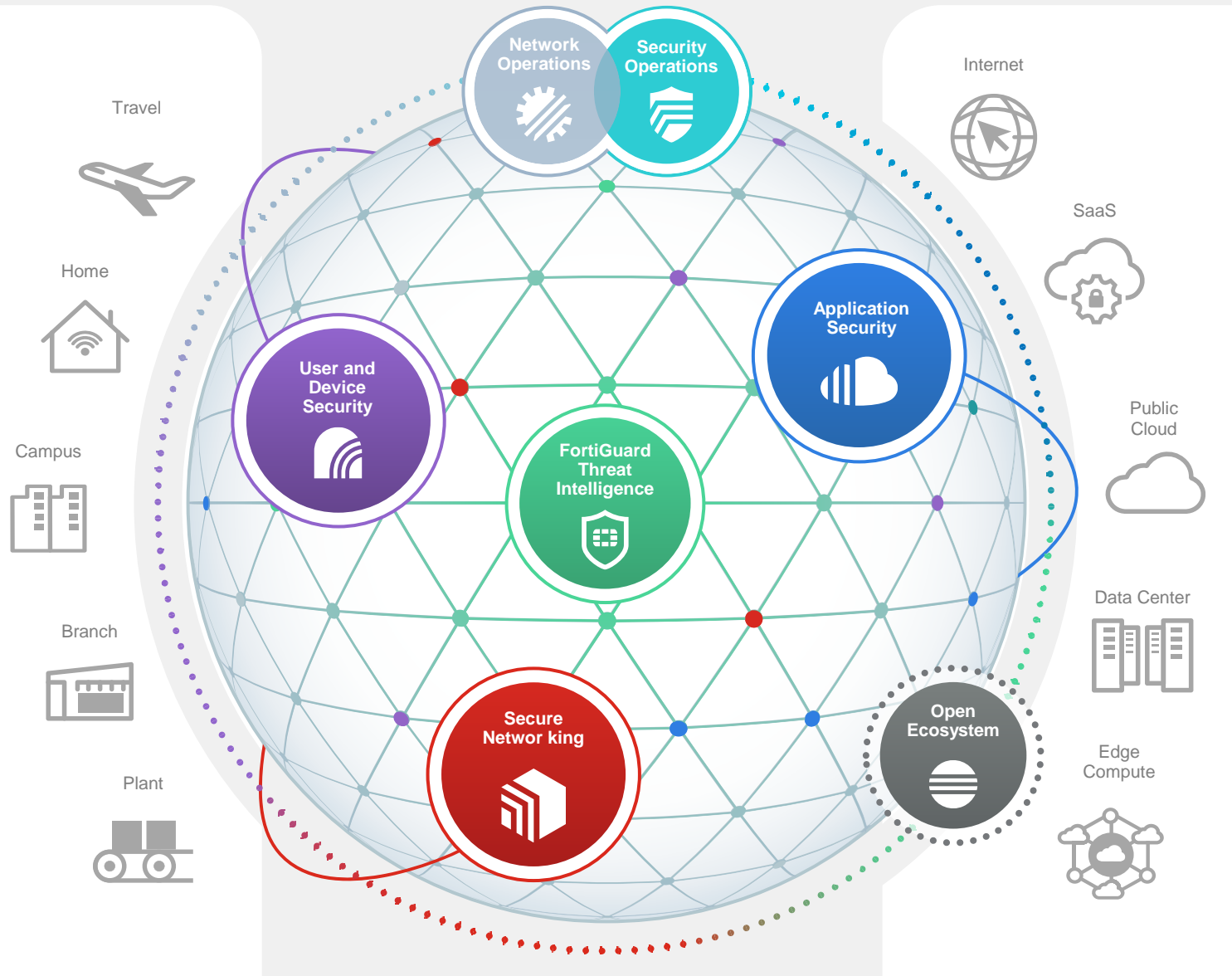
visibility and protection of the entire digital attack surface to better manage risk

Integrated

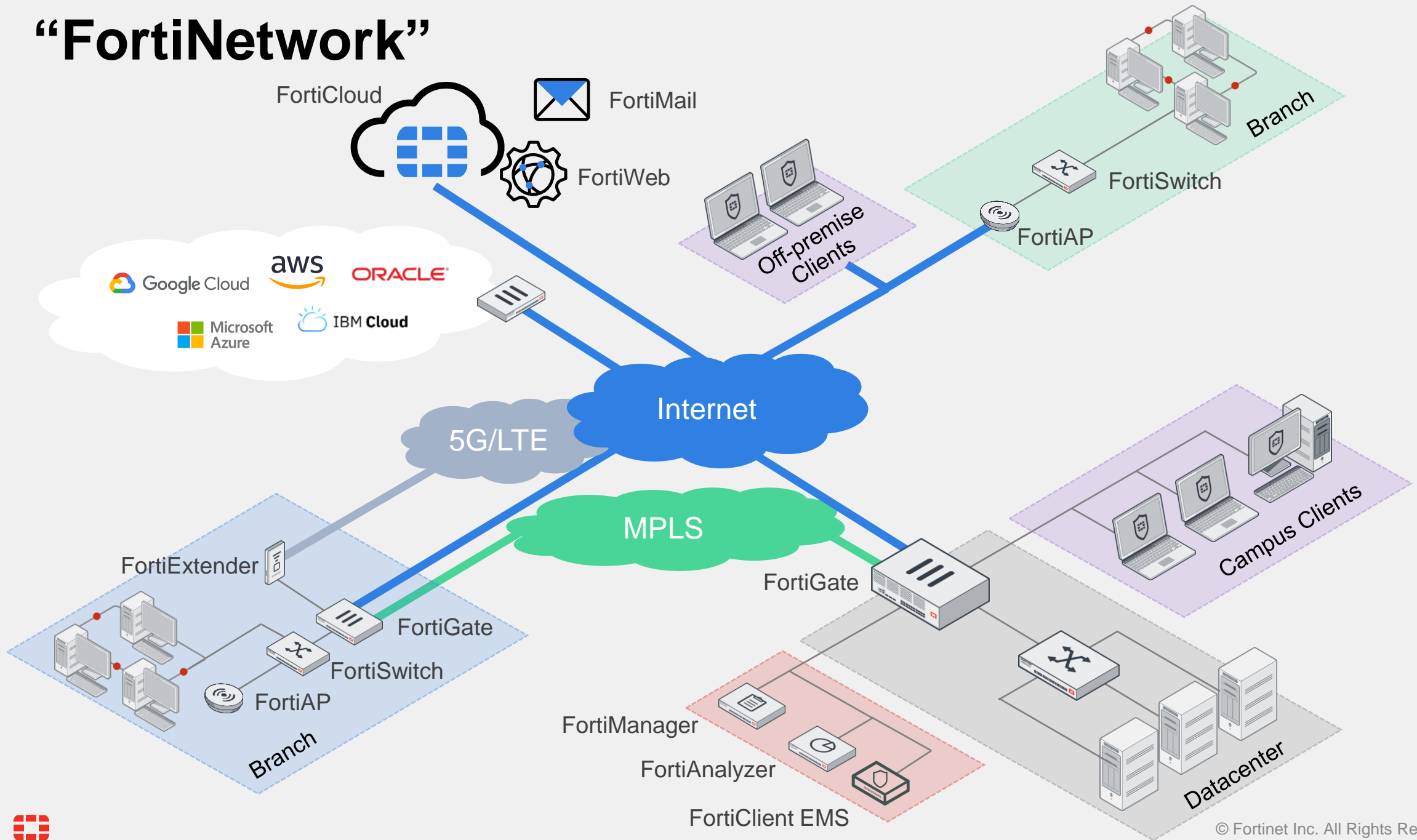
solution that reduces management complexity and shares threat intelligence

Automated

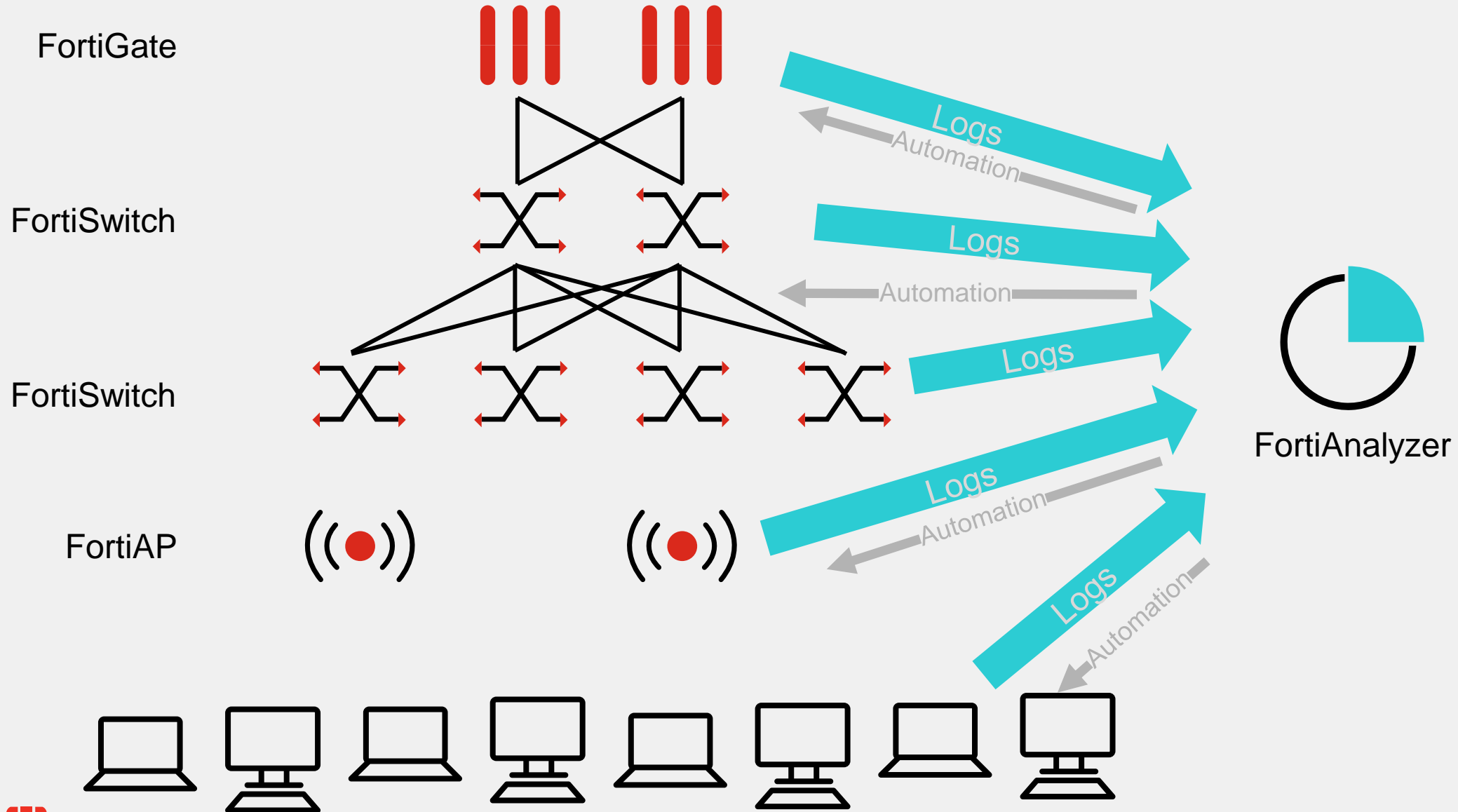
self-healing networks with AI-driven security for fast and efficient operations



“FortiNetwork”



Fabric? How does that work?



FGT-00 Dashboard

FortiView Policies by Bytes

Date/Time	Source	Device	Destination	Application Name	Result	Policy ID
2023/09/27 12:28:44	172.31.255.254	FGT-01	172.65.32.248 (acme-v02.api.letsencrypt.org)	HTTPS	✓ Accept (2.75 kB / 5 kB)	25 (MGMT to Internet)
2023/09/27 12:28:44	10.255.142.3	FAP-01	208.91.112.53	DNS	✓ Accept (UTM Allowed)	9 (FortiAPs to Internet)
2023/09/27 12:28:44	10.255.142.3	FAP-01	10.8.15.2	DNS	✓ Accept (DNS)	9 (FortiAPs to Internet)
2023/09/27 12:28:44	10.255.142.3	FAP-01	10.8.15.2	DNS	✓ Accept (78 B / 134 B)	9 (FortiAPs to Internet)
2023/09/27 12:28:44	10.255.142.3	FAP-01	10.8.15.2	DNS	✓ Accept (DNS)	9 (FortiAPs to Internet)
2023/09/27 12:28:44	10.255.142.3	FAP-01	10.8.15.2	DNS	✓ Accept (UTM Allowed)	9 (FortiAPs to Internet)
2023/09/27 12:28:44	10.255.142.3	FAP-01	10.8.15.2	DNS	✓ Accept (DNS)	9 (FortiAPs to Internet)
2023/09/27 12:28:44	10.255.142.3	FAP-01	10.8.15.2	DNS	✓ Accept (UTM Allowed)	9 (FortiAPs to Internet)
2023/09/27 12:28:44	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:44	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:44	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:44	172.31.255.254	FGT-01	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:44	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:44	172.31.255.254	FGT-01	10.8.15.2	HTTPS	✓ Accept (2.93 kB / 5.81 kB)	25 (MGMT to Internet)
2023/09/27 12:28:44	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:44	172.31.255.254	FGT-01	10.8.15.2	HTTPS	✓ Accept (1.77 kB / 4.88 kB)	25 (MGMT to Internet)
2023/09/27 12:28:44	172.31.255.254	FGT-01	10.8.15.2	HTTPS	✓ Accept (1.87 kB / 5.61 kB)	25 (MGMT to Internet)
2023/09/27 12:28:42	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:42	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:42	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:42	10.0.60.4	Teemus-MacB	10.8.15.2	DNS	✓ Accept (UTM Allowed)	24 (WIFI to Internet ALL)
2023/09/27 12:28:42	10.8.15.2	TS-DESKTOP	35.213.232.93	Google.Services	✓ Accept (UTM Allowed)	27 (General IT to Internet)
2023/09/27 12:28:40	10.128.0.10	FGT-01	185.125.190.58	NTP	✓ Accept (76 B / 76 B)	32 (UBU-1 to Internet)

10.8.15.2

Detected Device: TS-DESKTOP

Status: Online

Hostname: TS-DESKTOP

MAC Address: 90:8d:6e:8c:df:2a

IP Address: 10.8.15.2

DHCP Lease: expires on 2023/10/04 10:04:13

Interface: General IT

Online Interfaces: General IT

Hardware: Home & Office / Dell / Computer

OS: Windows / 10

IoT Vulnerabilities: 167 32 1

FortiGate: FGT-00

Connected FortiSwitch / FortiAP: FSW-00:port5

Detected by FortiGuard IoT service

Firewall Address | Quarantine | View IoT Vulnerabilities

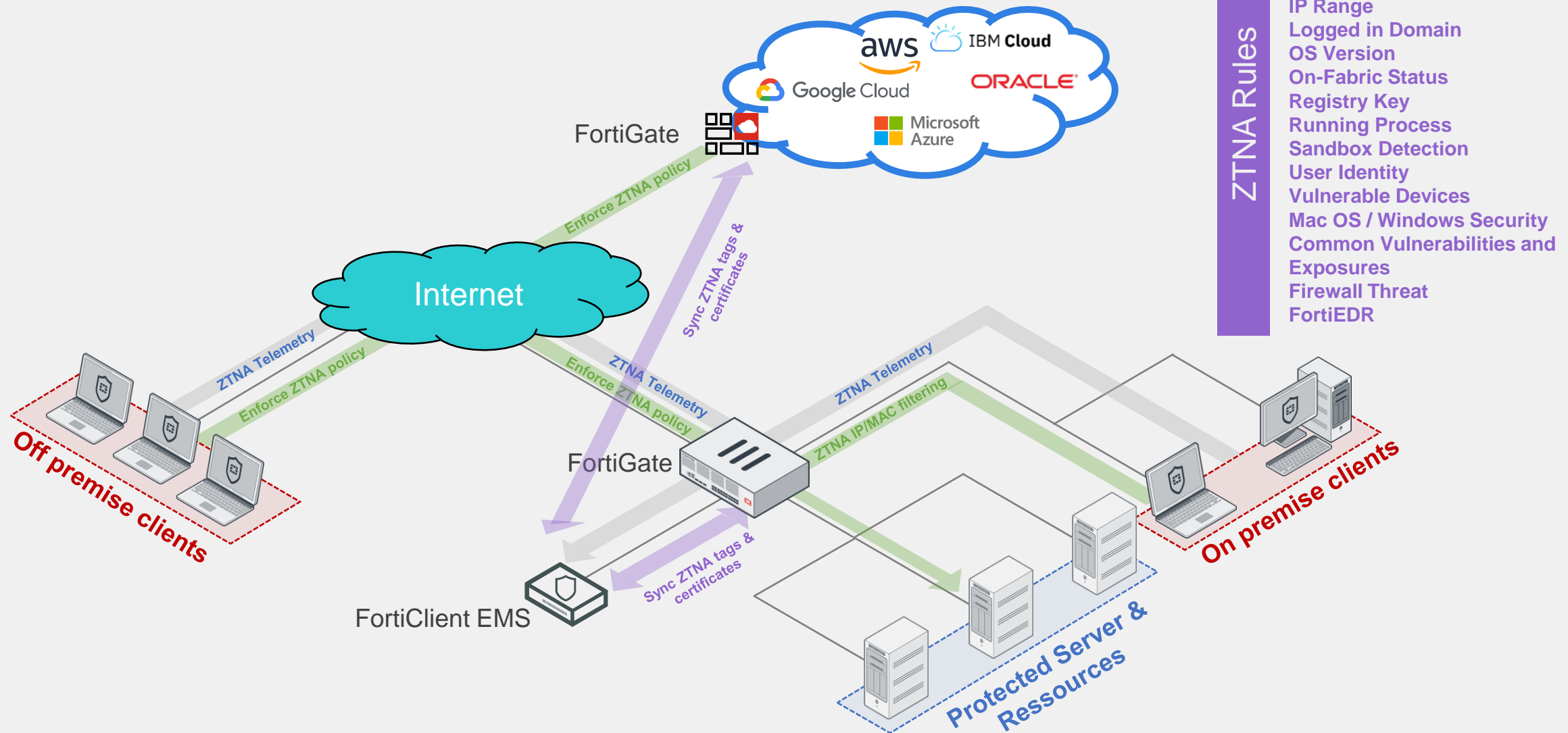
Results that ran 22 minute(s) and 18 second(s) ago were aggregated.

Update Now

FORTINET v7.4.0 EDC-01

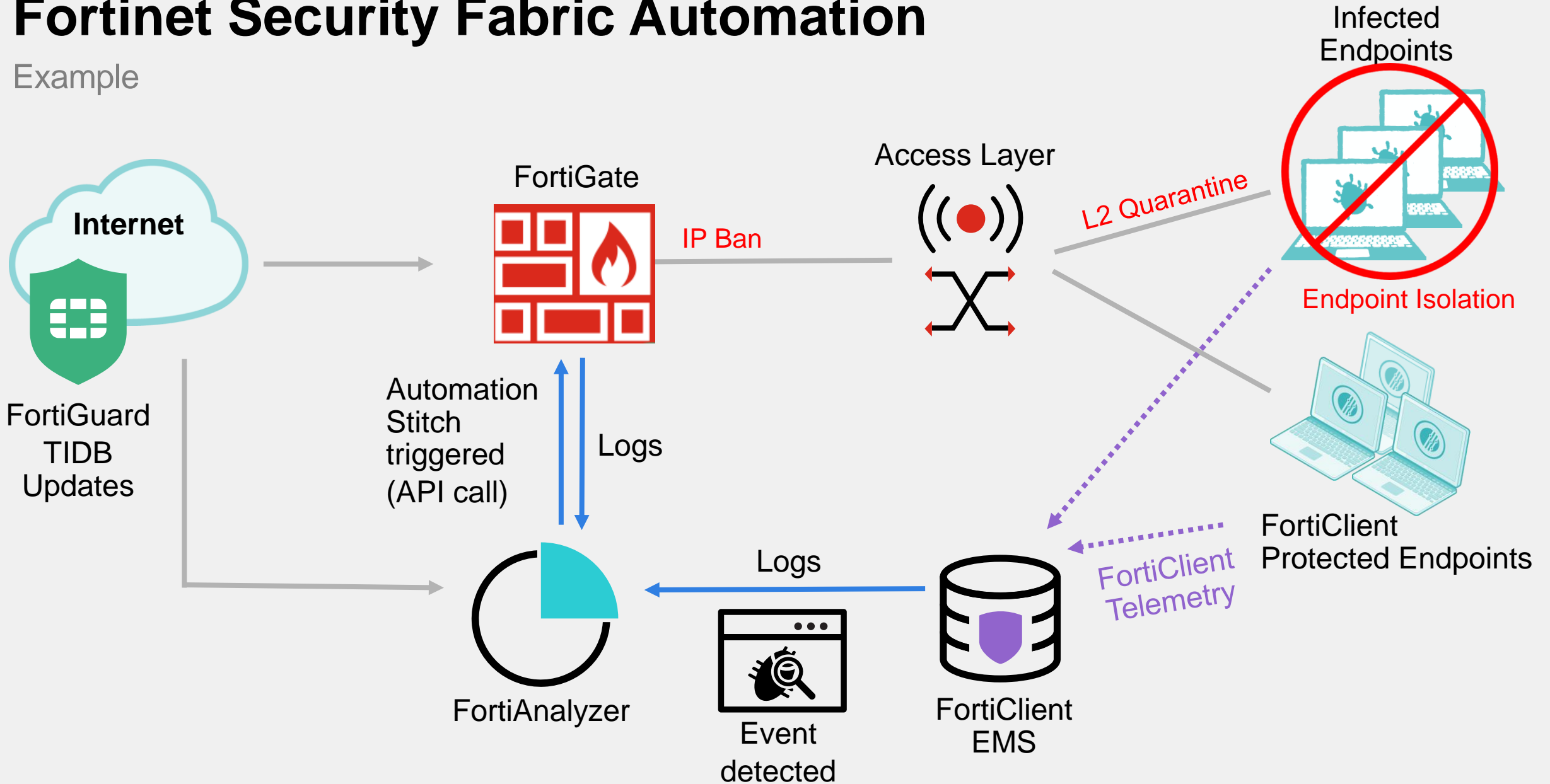
Zero Trust Network Access

On-Premise and Public Cloud environments

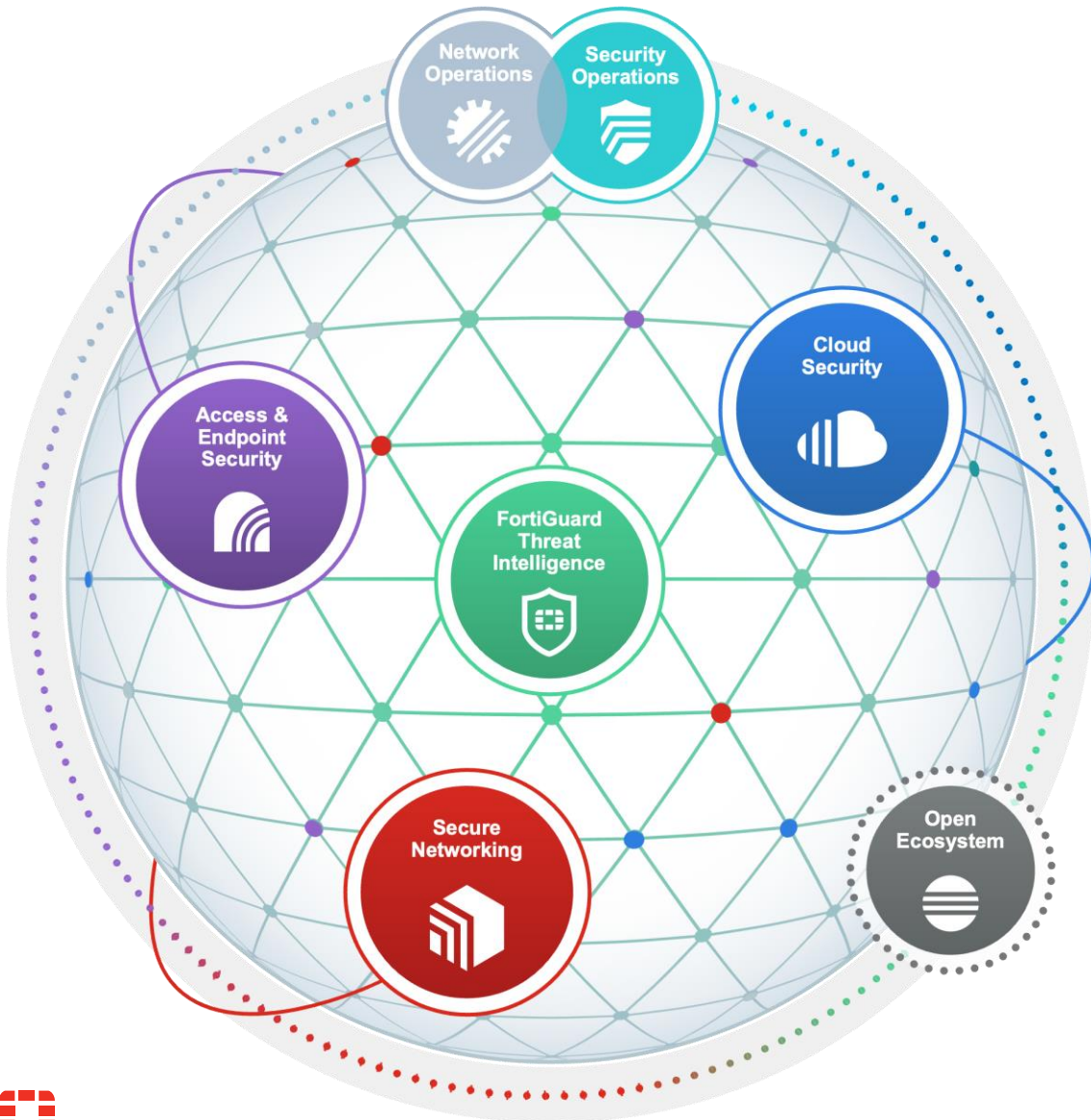


Fortinet Security Fabric Automation

Example



Fortinet Security Fabric



- **FortiGate**
 - NGFW & NGIPS – reports to **FortiAnalyzer**
- **FortiAnalyzer**
 - Log Analytics and Security Automation by Automation Stiches
- **FortiManager**
 - Orchestrates & manages **FortiGate**
- **FortiClient EMS** (VPN/ZTNA)
 - “Fabric Agent” – talks to FortiAnalyzer, thus with FortiGate
 - Granular Segmentation, **ZTNA** & Mitigation of Outbreaks
- **FortiSwitch**
 - for FortiSwitches, **FortiGates** act as Controller
 - “every FortiSwitch Port is a firewalled Interface”
- **FortiAP’s**
 - **FortiGate** acts as Controller – SSID, etc., can be used in the Security Policy
- **FortiCloud** delivered Services
 - **FortiMail**, **FortiWeb**, **FortiSASE**, **FortiGate**, ...





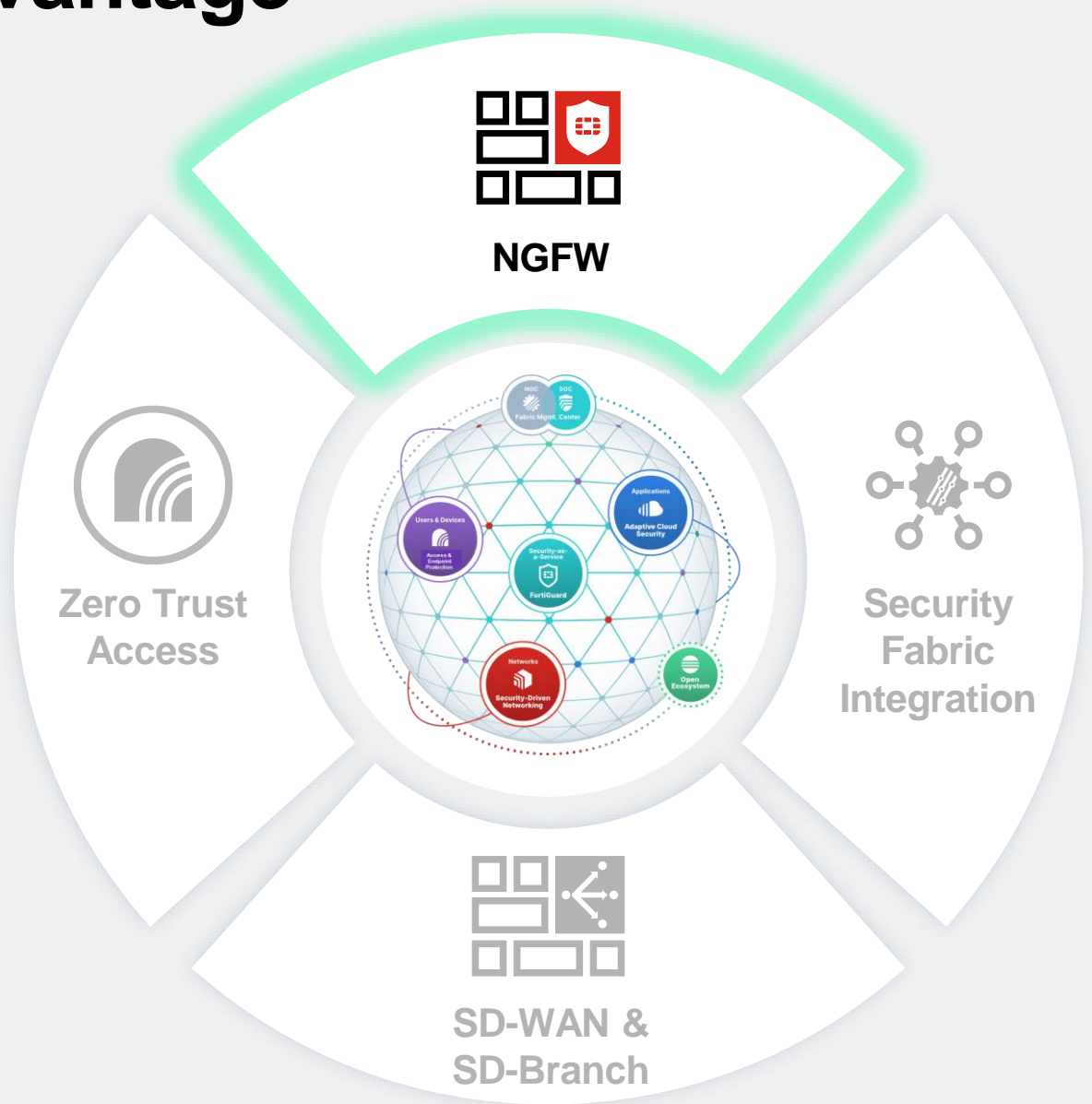
FortiOS Anywhere Advantage

Security Driven Networking

Fortinet Advantage

Next-Gen Firewall

- FortiGuard Integrated Security
- AI-driven Security
- Flexible Inspection Options
- Anti-Malware
- Web Filtering
- Application Control
- IPS
- SSL/TLS Inspection
- Content-Security
- Botnet Detection
- ISDB

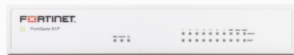


FortiGate Network Firewalls Lineup



40 to 80 Series

Secure SD-WAN



- 5–10 Gbps FW
- 600–950 Mbps TP
- 310–715 Mbps SSL Inspection

Branch

100 to 800 Series

SD-WAN NGFW



- 20–140 Gbps FW
- 1–15 Gbps TP
- 1–15 Gbps SSL Inspection

Campus

1000 and 2000 Series

NGFW IPS



- 80–198 Gbps FW
- 7–17 Gbps TP
- 10–20 Gbps SSL Inspection

Medium Data Center

3000, 4000 and 6000 Series

Hyperscale Segmentation



Nx



- 239 Gbps-2.4 Tbps FW
- 17–100 Gbps TP
- 21–110 Gbps SSL Inspection

Hyperscale Data-Center

7000 Series

5G Core NGFW



Nx



Nx

- 630 Gbps-1.89 Tbps FW
- 80–520 Gbps TP
- 80–540 Gbps SSL Inspection

Large Data Center



FORTINET®