Fortinet Security Fabric

Krzysztof Sieniawski

Fortinet Security Fabric

Broad

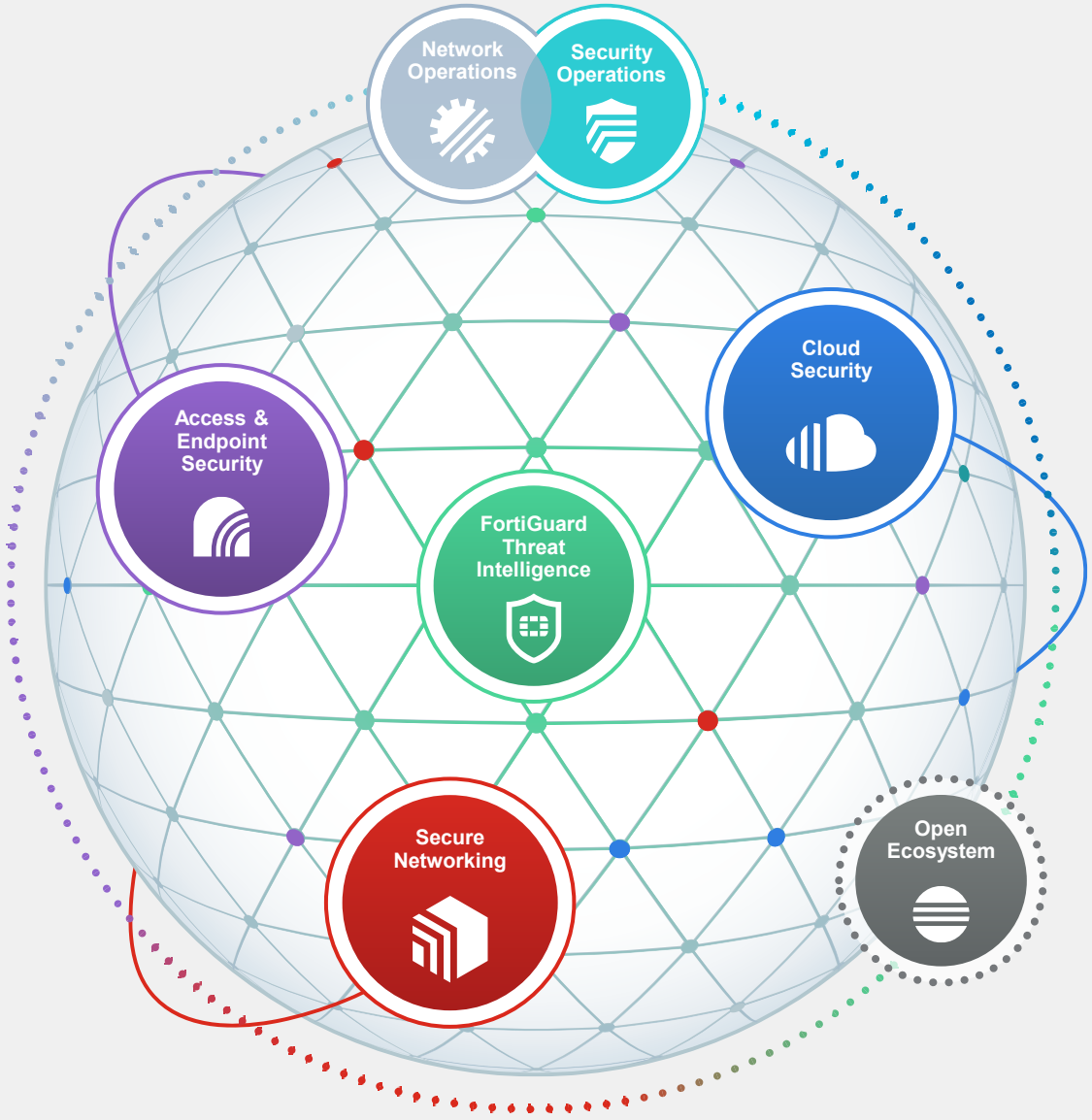
visibility and protection of the entire digital attack surface to better manage risk

Integrated

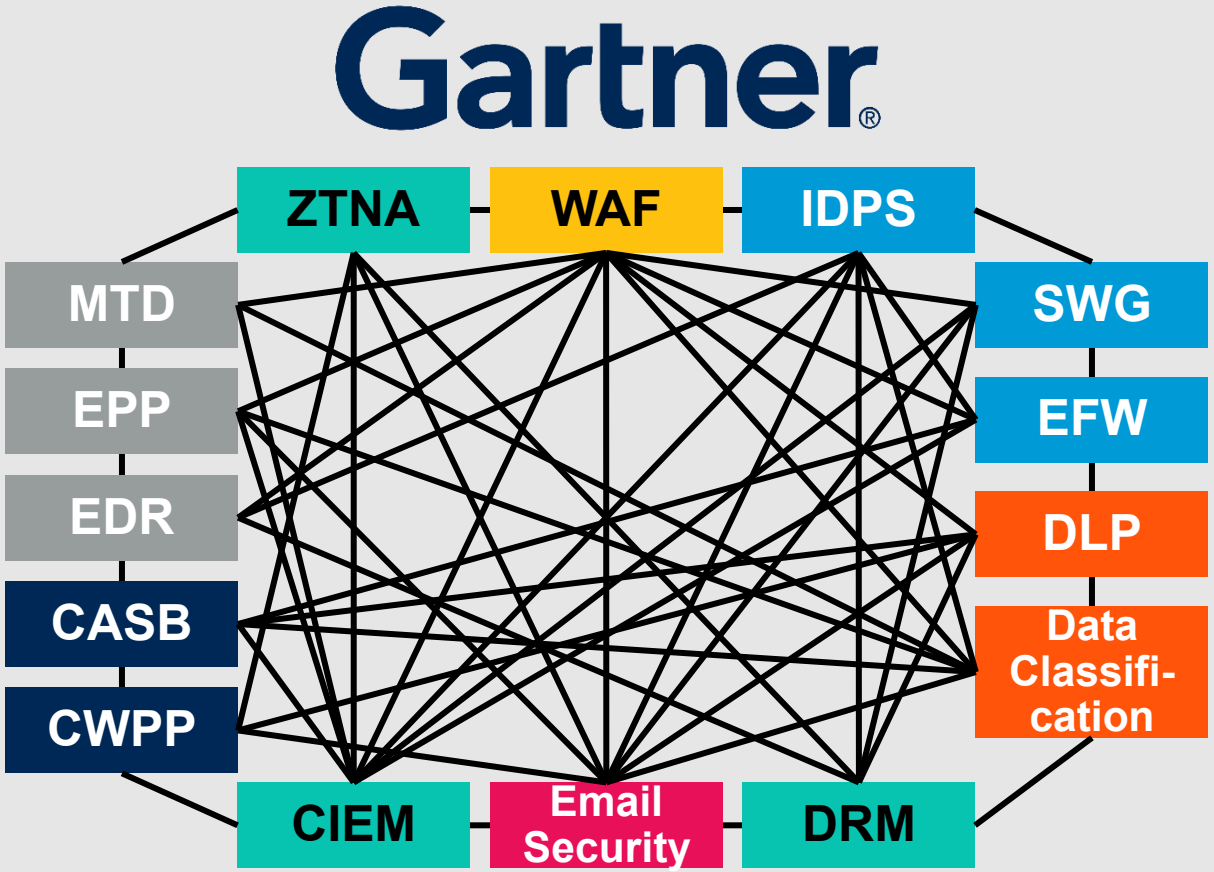
solution that reduces management complexity and shares threat intelligence

Automated

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



Fortinet Security Fabric as CyberSecurity Mesh



Executive Guide to Cybersecurity Mesh, 2022

Felix Gaehtgens, James Hoover, Henrique Teixeira, Claudio Neiva, Michael Kelley, Mary Ruddy, Patrick Hevesi. As of October 2021

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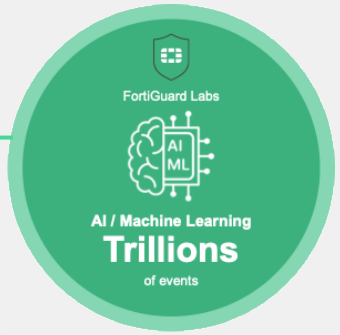
Fortinet's Network Firewall Solution

New

SecOps



FortiGuard

OS, Management & Analytics

FortiOS | FortiAnalyzer | FortiAI | FortiManager

Branch

ASIC — FortiGate 40-90 Series

Campus

ASIC — FortiGate 100-900 Series

Data Center

ASIC — FortiGate 1000-7000 Series

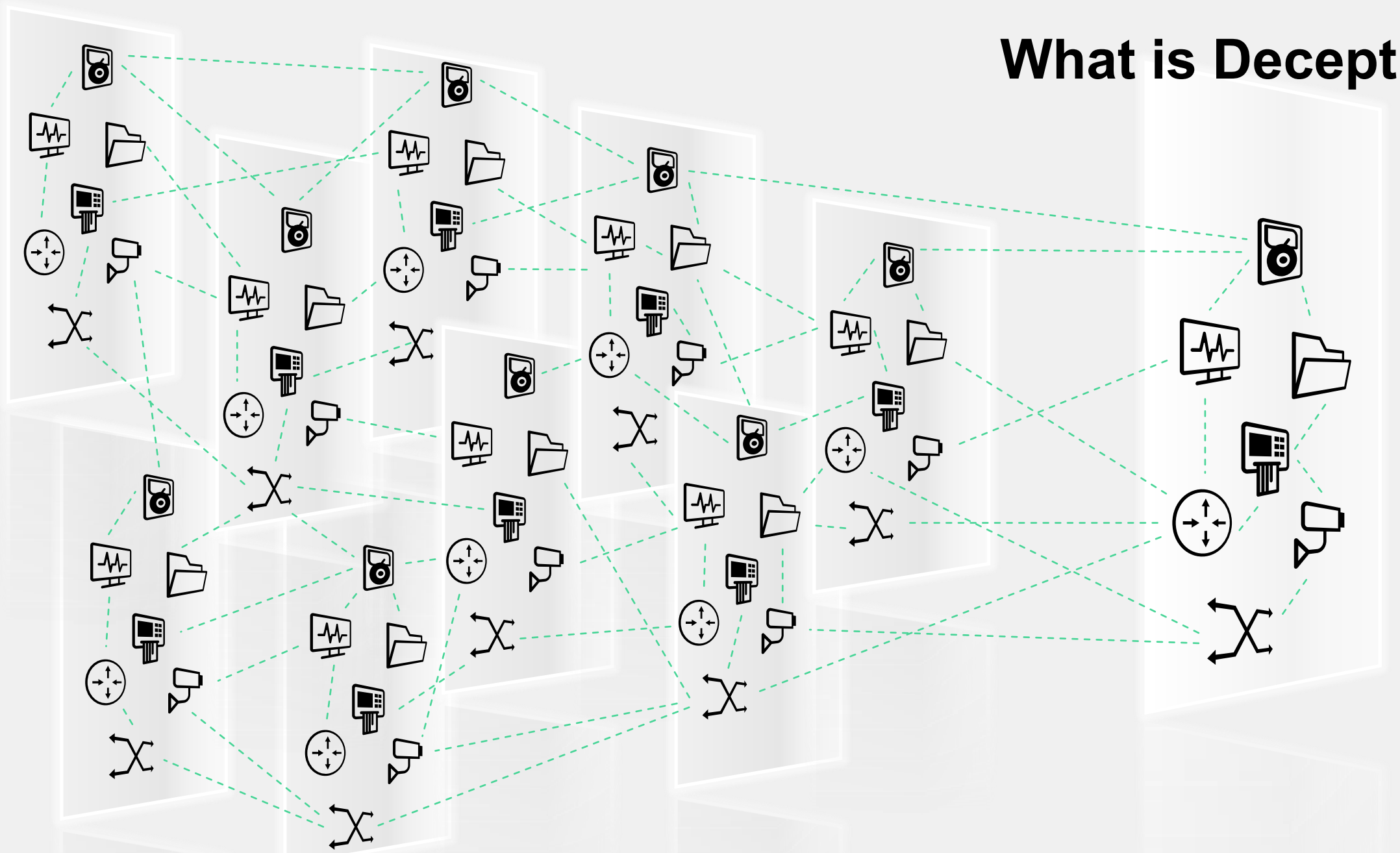
VM / Cloud / FWaaS

FortiGate VM | FortiCNF | FGaaS

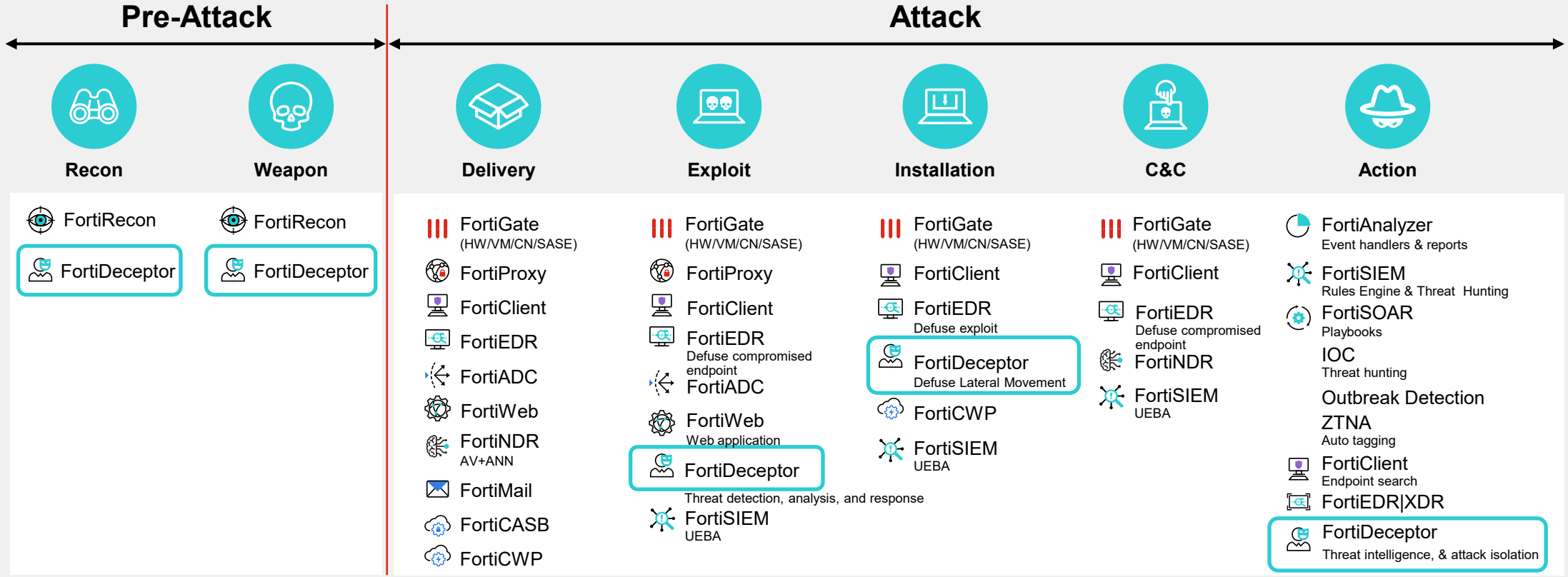
Secure LAN Edge

FortiExtender | FortiAP | FortiSwitch | FortiNAC

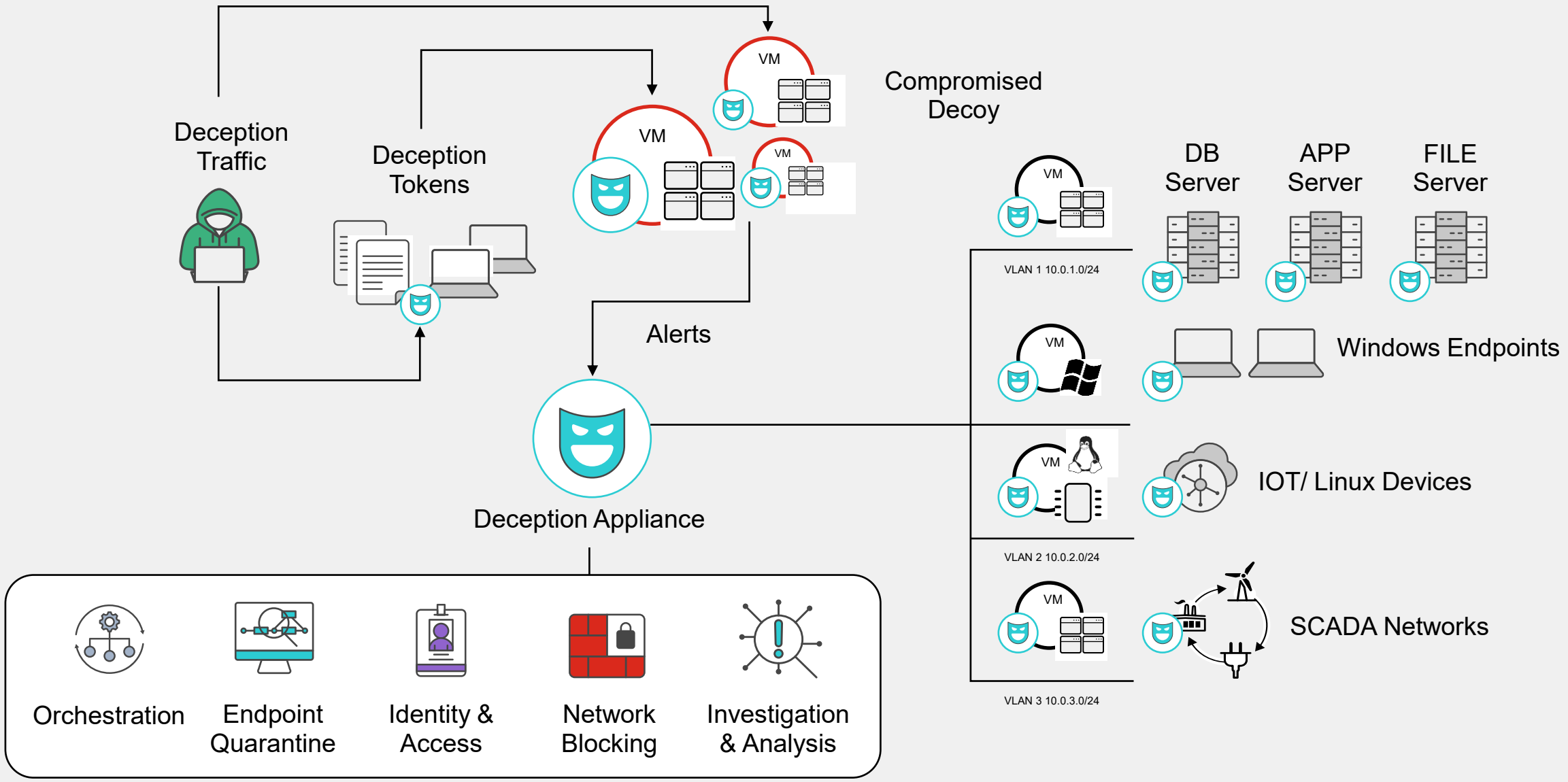
What is Deception?



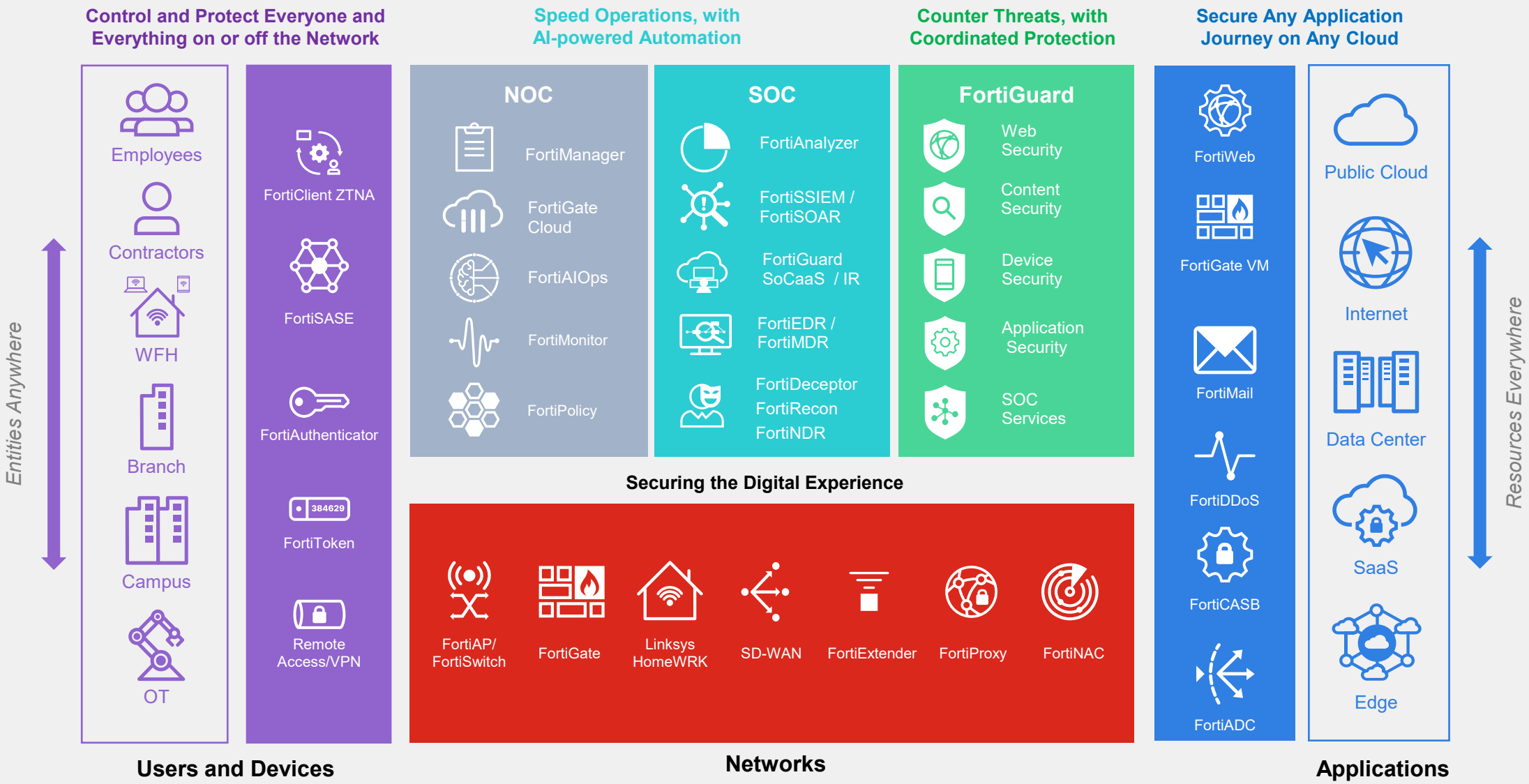
How to Break the Attack Sequence — FortiDeceptor Support



How Deception Works

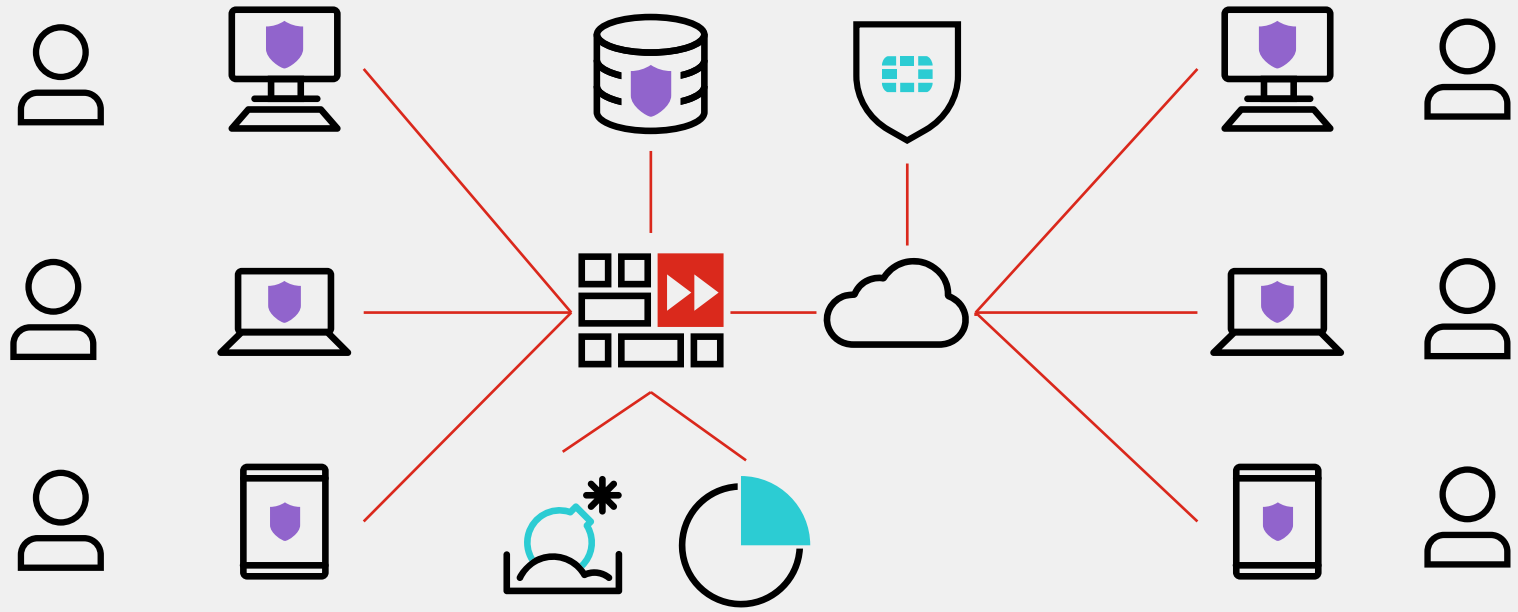


Fortinet Security Fabric Expansion



Zero Trust Access—Device Visibility & Control

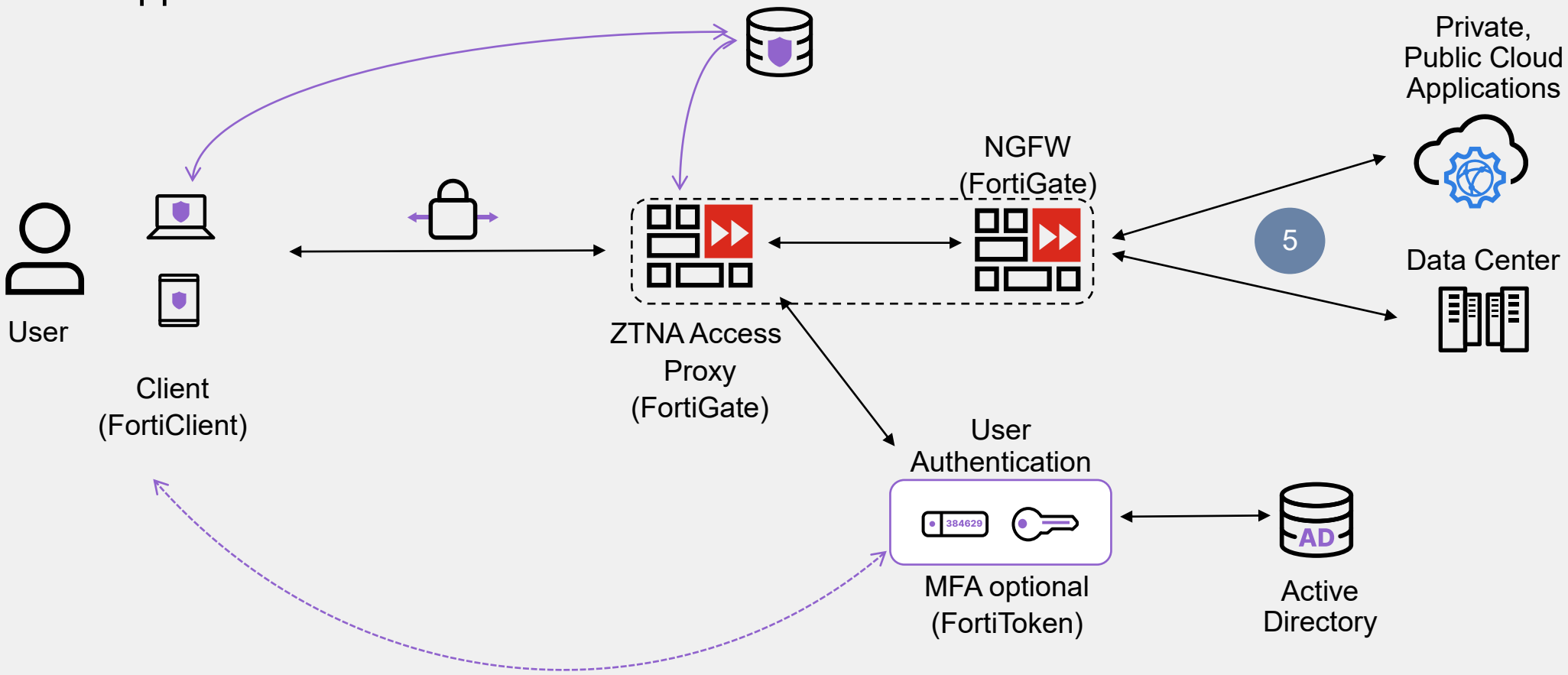
FortiClient for Fabric Agent, Remote Access, and Endpoint Protection



Hygiene Control	Secure Remote Access	Endpoint Protection
Vulnerability scanning FortiGuard Web Filtering Patching Policy Dynamic grouping	Zero Trust Network Access (ZTNA) VPN (IPSec & SSL) Single Sign On (SSO)	FortiGuard ML-based AV Sandbox integration Anti-exploit Automated containment

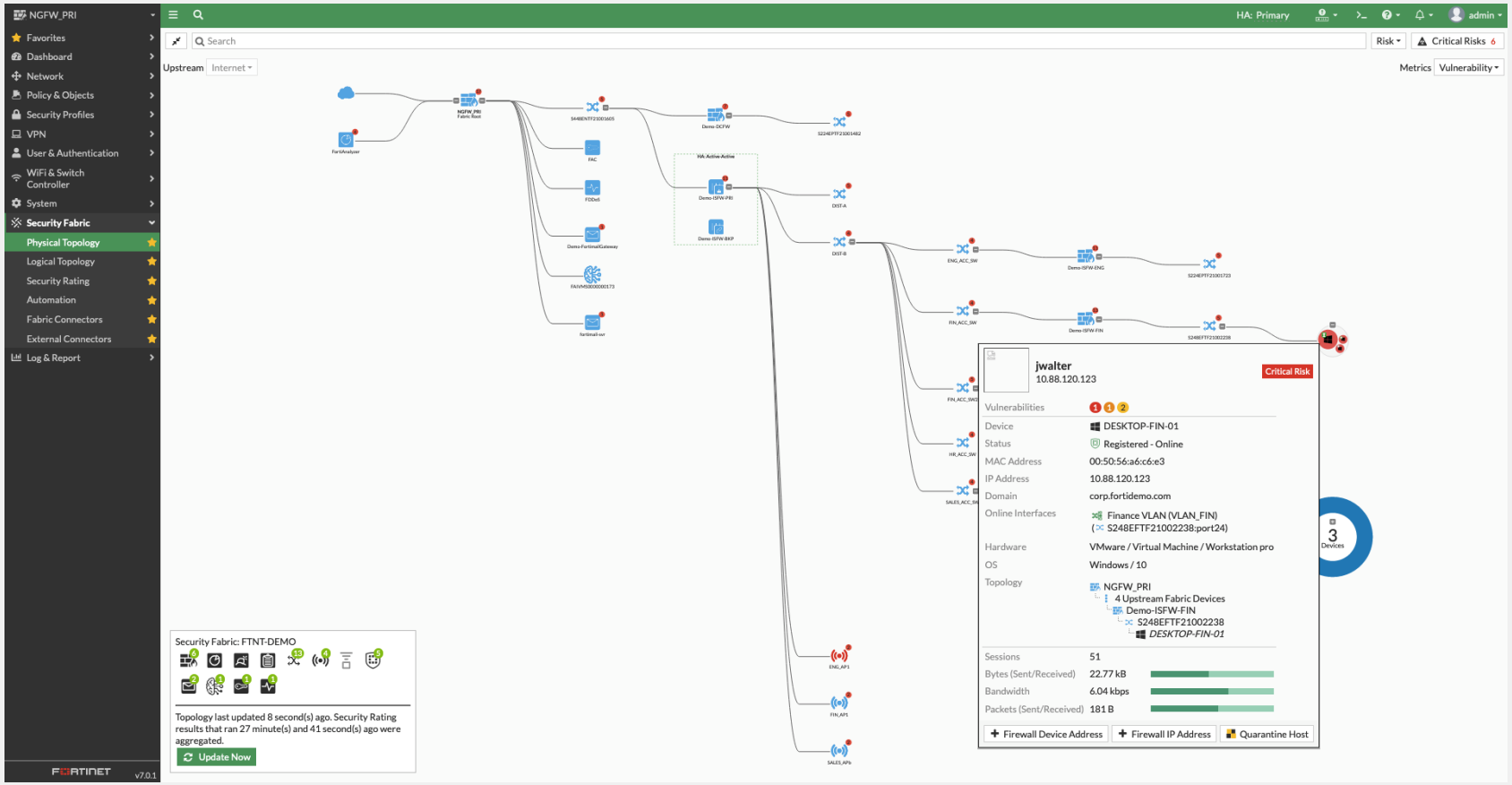
Zero Trust Network Access (ZTNA) Technology

Granular Application Access



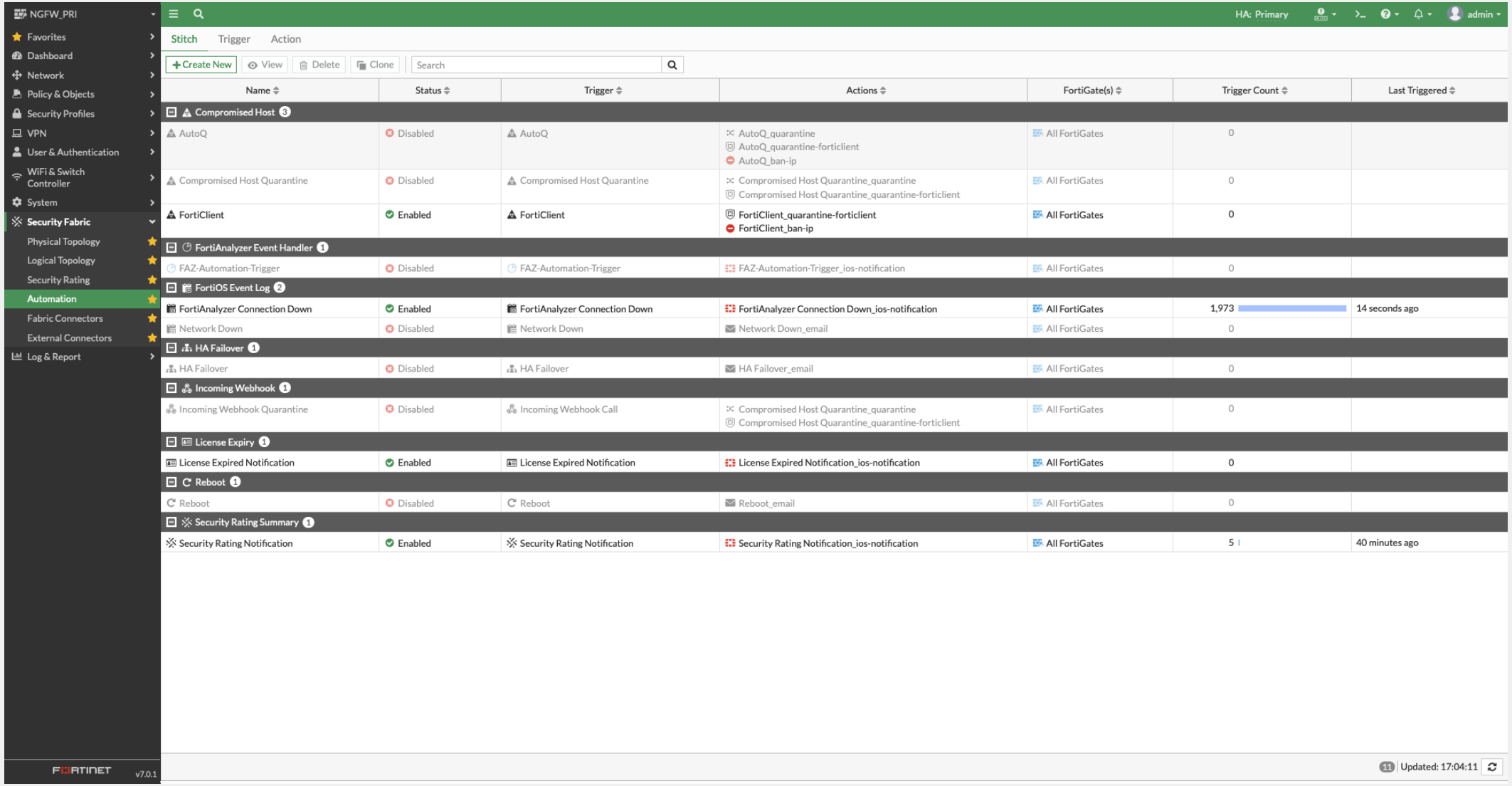
- Automatic, transparent encrypted tunnels
- Split tunneling
- Per Session verification & identification
- Additional layers of security with MFA
- Single-Sign-on agent supports FortiAuthenticator

Risk Visibility In The Network Context Endpoint Telemetry

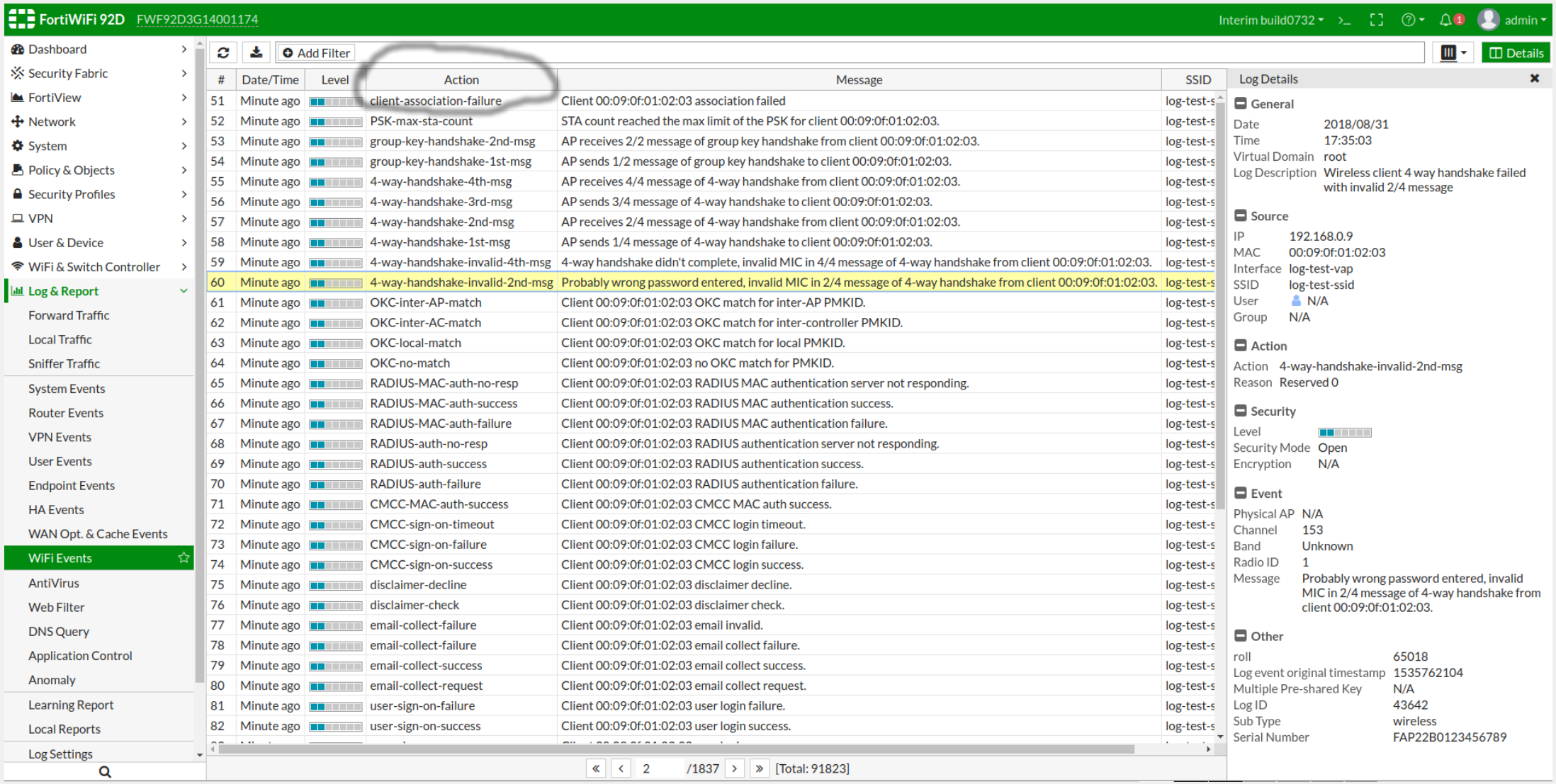


- Device information
  - OS
  - Co-relate multiple MAC
- FortiClient Status
- Endpoint Vulnerabilities
- Logged-in User
- User Avatar
- Social IDs
- Online/Off-line
- Endpoint events and logs

Automation



Detailed event logging

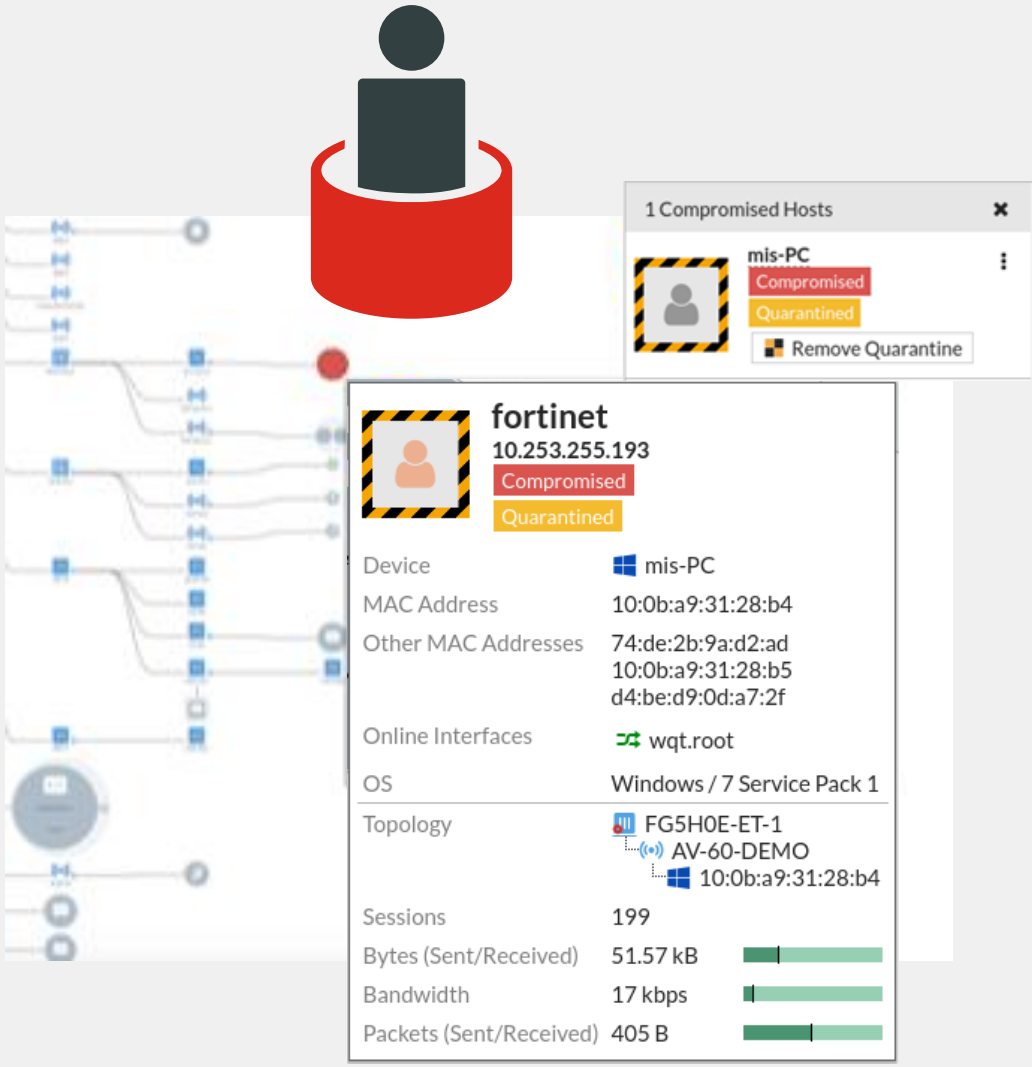


Automated response to compromised devices

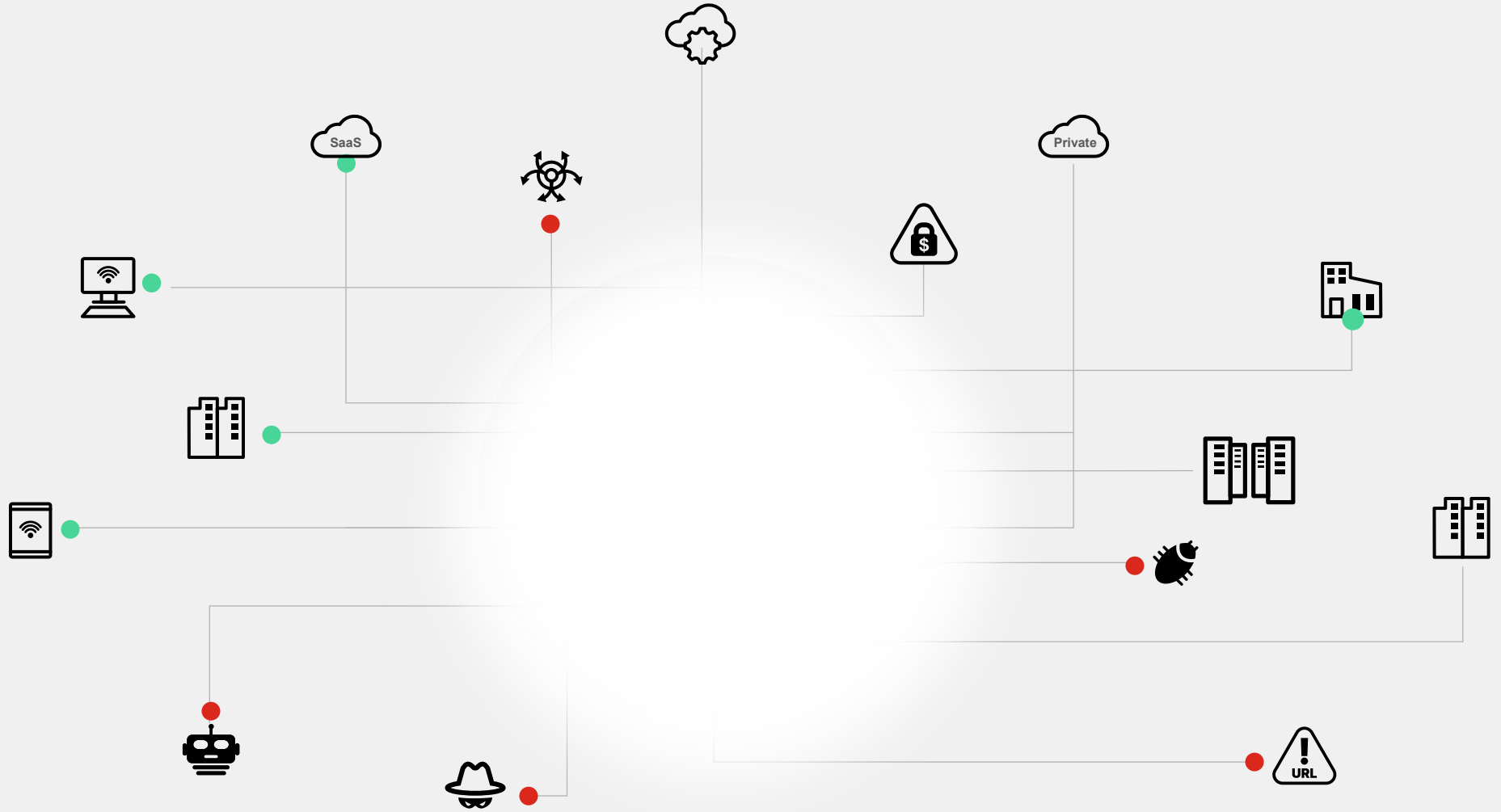
TAKING RESPONSE TIME OUT OF THE EQUATION

- How it works
  - A devices is detected as compromised by one element of the fabric
  - Switches and APs can automatically **quarantine** the device at the access layer

- Why it's important
  - Compromised IoT devices are no longer a threat to the wider network
  - Guest devices (if infected) will be dealt with automatically



You Can’t Monitor and Respond to What’s not Seen



Take end-to-end control of the attack surface and visibility

Security Fabric Analytics with FortiAnalyzer

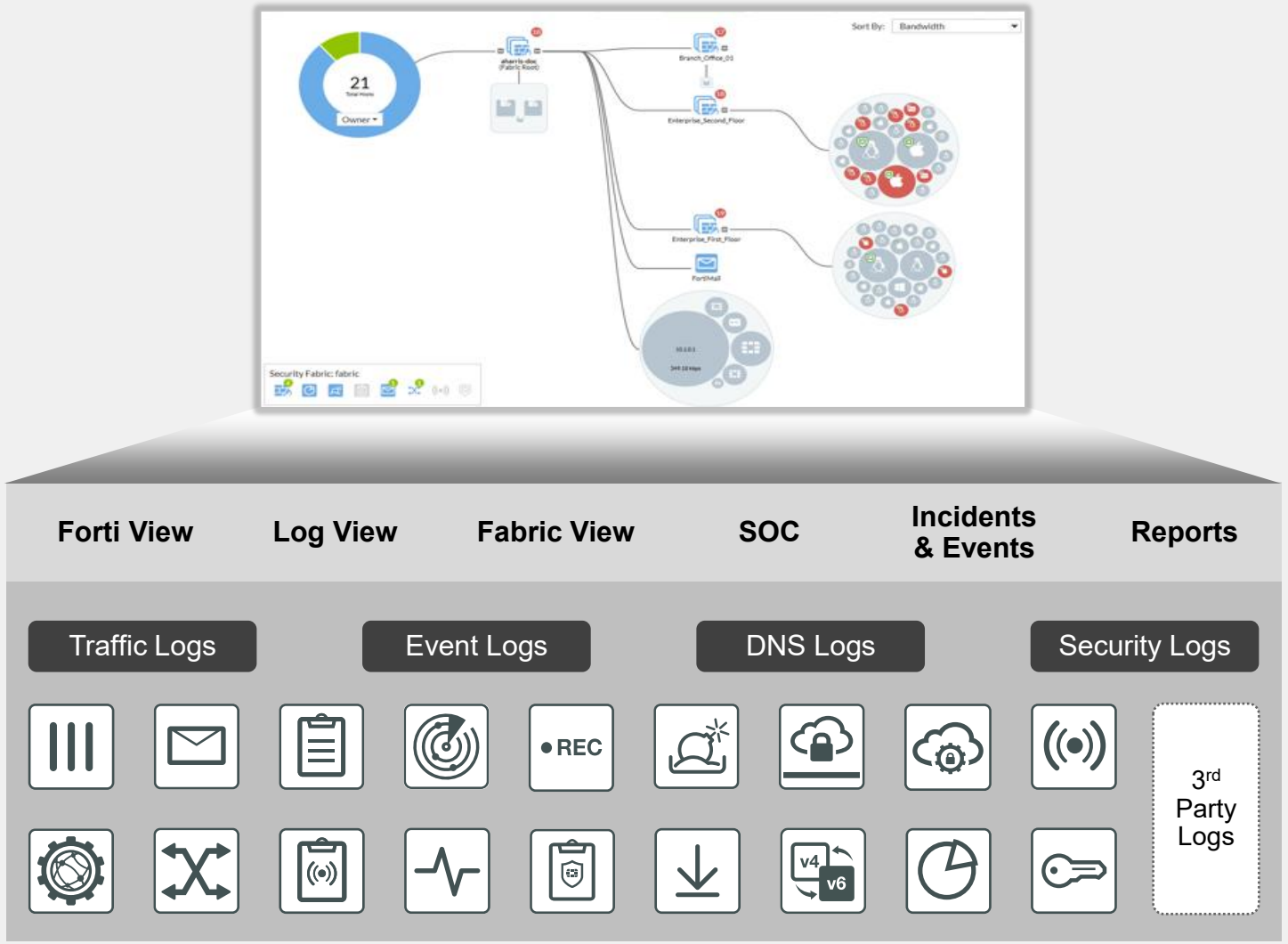
Real-time Network Insights

BUSINESS DRIVERS

Combat Advanced Threats by Identifying Network & Security Risks in Real-time

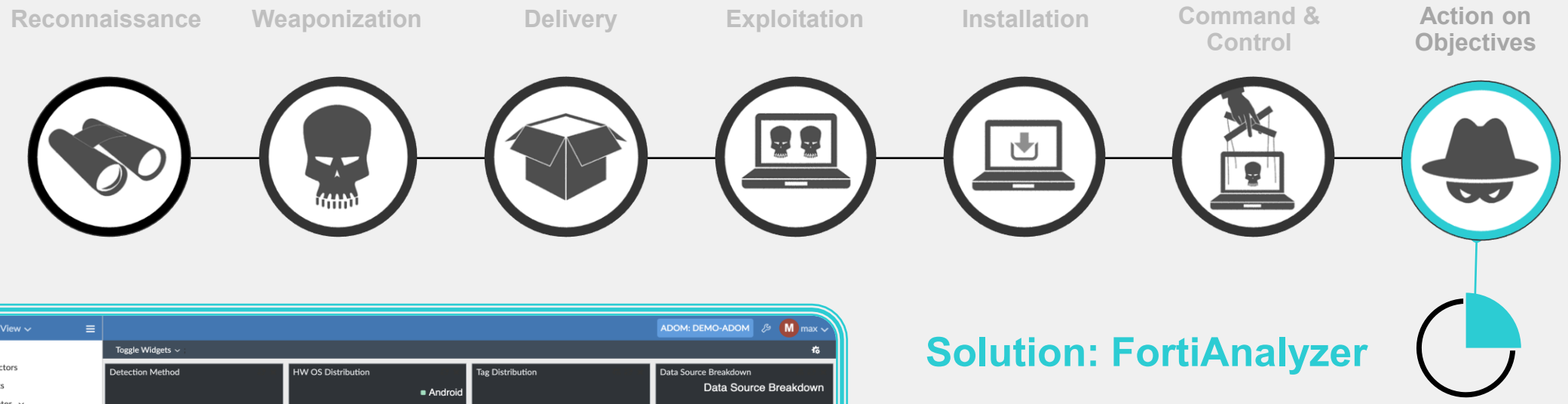
KEY CAPABILITIES

- Network Health Visibility
- Realtime SLA Reporting
- Historic SLA Reporting
- Application Usage Reports & Dashboards
- Adaptive Response Handlers



What is FortiAnalyzer?

Security Fabric Log management, analytics and reporting



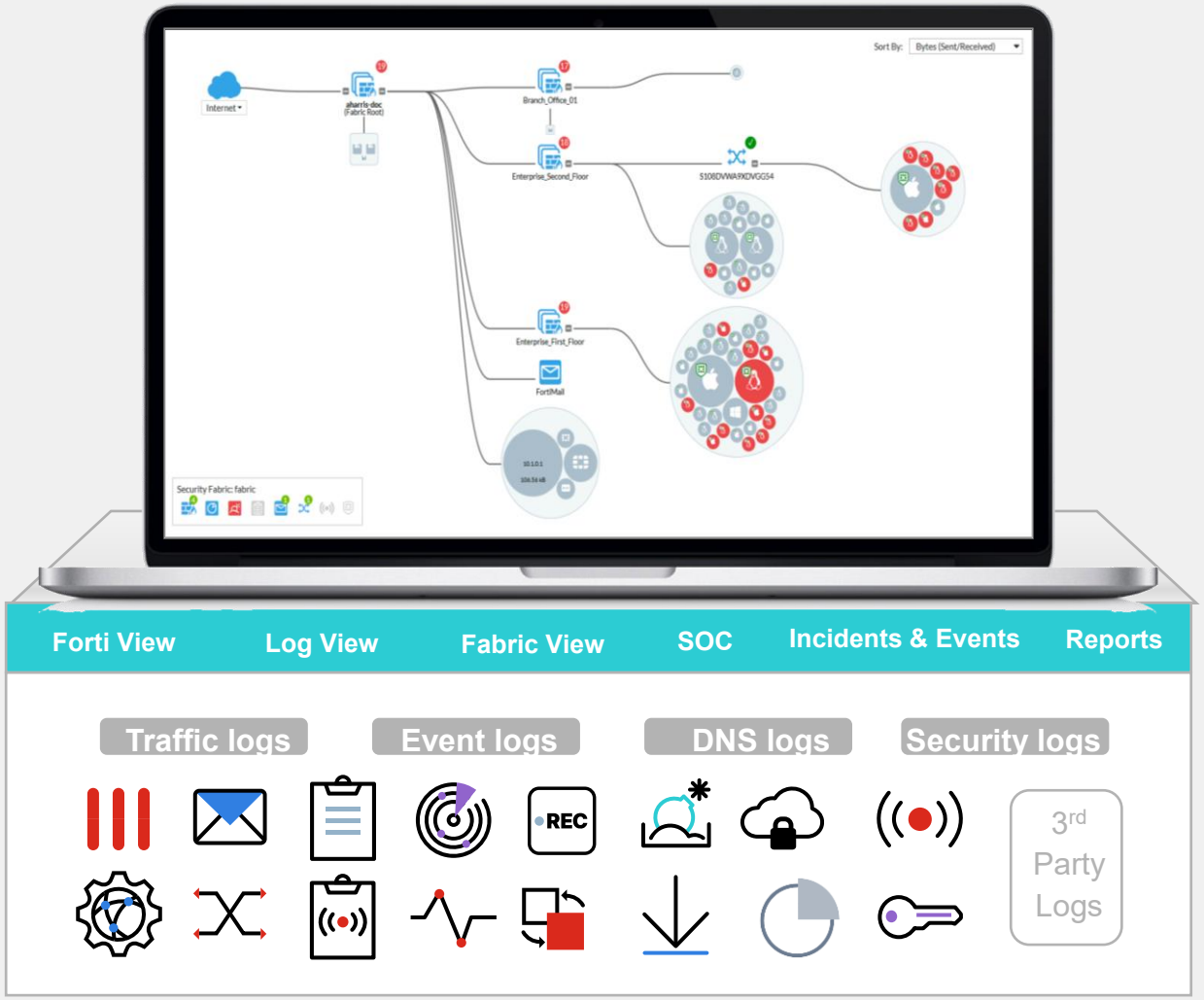
Solution: FortiAnalyzer

- ✓ End to end security management + security loggings with real time detection/analytics
- ✓ Single platform for IT, NOC & SOC visibility
- ✓ Advanced Threat Protection with Security Fabric Automation capabilities

SOC and NOC teams can use FortiAnalyzer for IOC, event handling and reporting

Security Fabric Analytics

Central Logging and Reporting for Fortinet



Strategically Consolidate Operations

- Real-Time Network & Anomaly Visibility

Capabilities

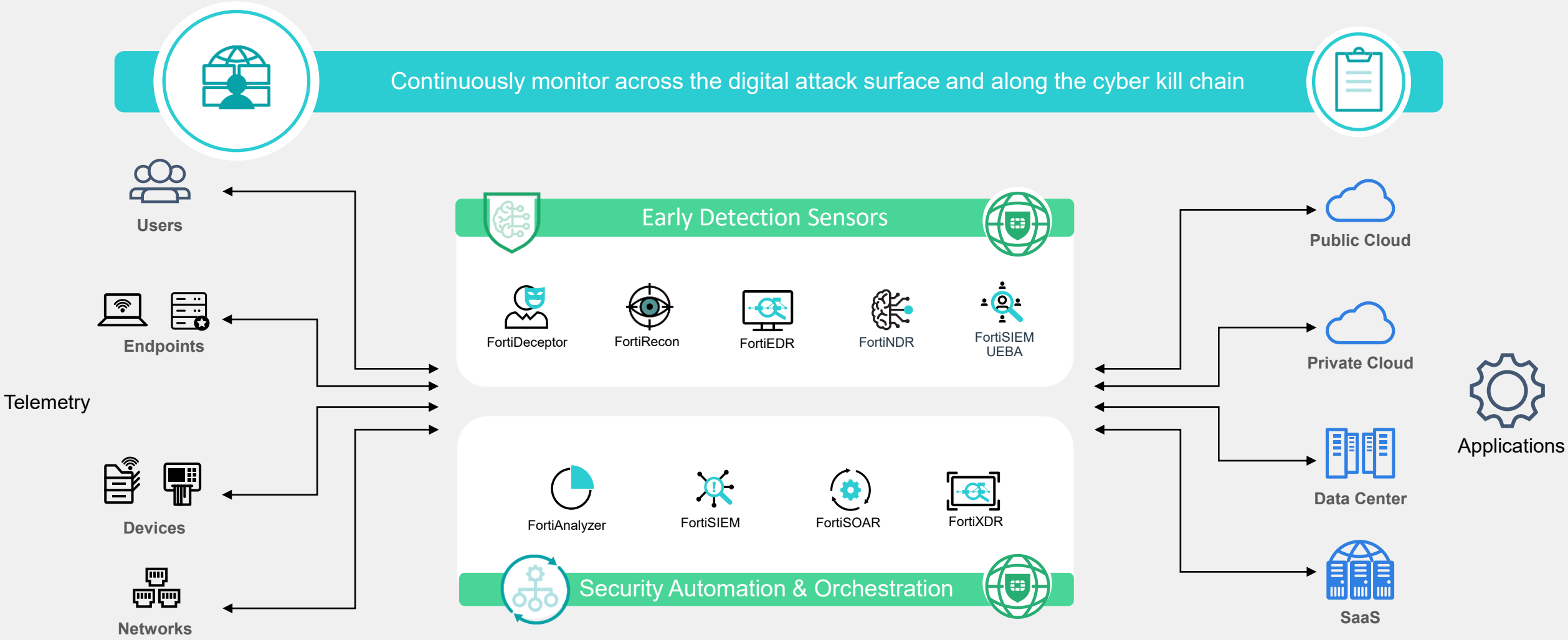
- Security Fabric Analytics & Reporting
- Policy, Events, & additional Data Correlation
- 800 Datasheet and reports

Benefits & Results

Improve Network Visibility, Risk Assessment & Eliminate Blind spots

Solution: Automated Security Operations

Speed Threat Detection and Response with AI and Automation



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Product Matrix

Click on icons in this document for additional information

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