

SOLUTION BRIEF

# Active Defense: Fortinet and TrapX Security Joint Solution

## Broad, Integrated and Automated solution for real-time visibility and threat detection

### Challenges

Cybersecurity breaches can occur from internal or external attacks. The Verizon 2018 Data Breach Investigations Report found that two-thirds of breaches stem from external attacks and one-third from internal actors. 68% of breaches took months before being discovered. But when breaches go undetected for this amount of time, the eventual repercussions can grow exponentially. Additionally, newly developed advanced threat-protection technologies often require significant resources to deploy, provision, and maintain, and are usually offered as a stand-alone security solution, creating a disjointed security architecture.

Together, Fortinet and TrapX Security provide real-time visibility and threat detection, improved incident response and rapid threat containment, leveraging the capabilities of Fortinet Security Fabric.

### Joint Solution Description

The Fortinet Security Fabric segments an entire network to provide superior protection against sophisticated threats. This integration enables TrapX DeceptionGrid to provide actionable threat intelligence and initiate rapid threat containment actions or interdiction throughout the Fortinet Security Fabric.

The Fortinet Security Fabric and TrapX DeceptionGrid joint solution enables early detection of targeted attacks and sophisticated threat actors operating inside endpoints, along with the agility needed to isolate compromised assets and stop attackers in near real-time. The joint solution offers customers early detection capabilities for advanced targeted attacks. Examples of these attacks include Polymorphic malware, Zero-day exploits and attacks against IoT devices that bypass perimeter controls but are instantly detected by DeceptionGrid Traps.

### Joint Solution Components

- Fortinet Security Fabric – FortiGate Next-Generation Firewall
- TrapX DeceptionGrid

### Joint Solution Benefits

- Reduced time-to-breach detection
- Powerful situational awareness
- Rapid deployment and containment
- Deception-in-Depth integrated product platform
- Actionable intelligence

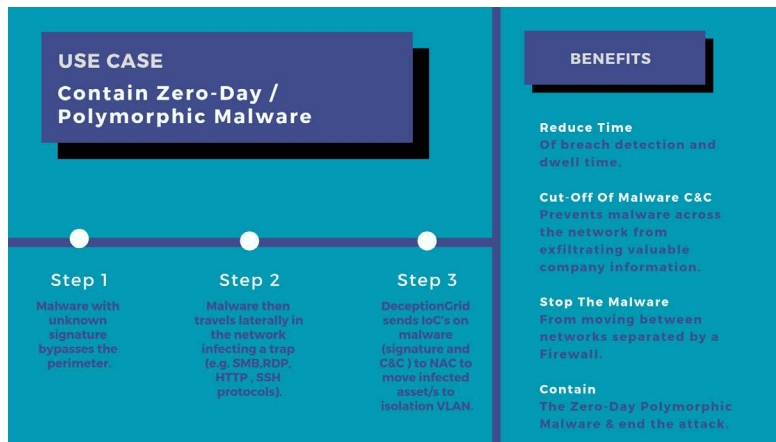


Figure 1: Security Fabric and DeceptionGrid Use Cases.

DeceptionGrid also feeds accurate telemetry of a threat into the Fortinet Security Fabric to trigger automated mitigation actions. TrapX DeceptionGrid is highly automated and scales rapidly across network and cloud.

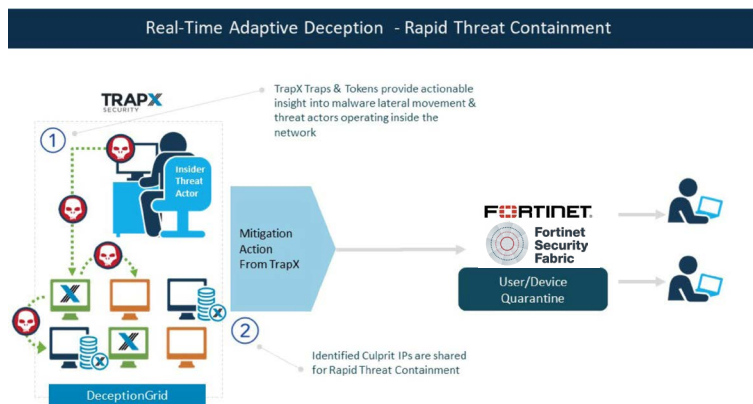


Figure 2: Real-Time Adaptive Deception with the Fortinet Security Fabric – Rapid Threat Containment.

TrapX DeceptionGrid™ is used to bait, engage, and ultimately trap cyber attackers that have penetrated networks. DeceptionGrid enhances visibility and helps you identify attackers that have bypassed all of your other cyber defenses. DeceptionGrid fills your network with lures (Tokens) and decoys (Traps) to deceive and detect cyber attackers within the network. DeceptionGrid surrounds the attackers with tempting targets. Everywhere they turn, they face immediate identification.

- **Reduced time-to-breach detection** – DeceptionGrid detects malware and human threat actor movements inside the perimeter immediately. Alerts are highly accurate with no false positives.
- **Powerful situational awareness** – DeceptionGrid detects lateral movements that are often missed by other types of cyber tools and defenses.
- **Rapid deployment and containment** - DeceptionGrid integrates seamlessly into the Fortinet Fabric for fast deployment, trouble-free administration and automated rapid threat containment.
- **Deception-in-Depth integrated product platform** – Deception in Depth brings the industry's most comprehensive and powerful suite of deception techniques together in one multi-tier architecture to bait, engage, and trap attackers.
- **Actionable intelligence** – The DeceptionGrid/Fortinet Fabric joint solution provides augmented and actionable real-time visibility into lateral movements from attackers, targeting special systems such as IoT, SCADA, ICS, POS, and medical devices.

## About TrapX Security

TrapX Security is the pioneer and global leader in cyber deception technology. Their DeceptionGrid solution rapidly detects, deceives, and defeats advanced cyberattacks and human attackers in real-time. DeceptionGrid also provides automated, highly accurate insight into malicious activity unseen by other types of cyber defenses. By deploying DeceptionGrid, you can create a proactive security posture, fundamentally halting the progression of an attack while changing the economics of cyberattacks by shifting the cost to the attacker. The TrapX Security customer-base includes Forbes Global 2000 commercial and government customers worldwide in sectors that include defense, healthcare, finance, energy, consumer products, and other key industries. Learn more at [www.trapx.com](http://www.trapx.com).

## About Fortinet

Fortinet (NASDAQ: FTNT) secures the largest enterprise, service provider, and government organizations around the world. Fortinet empowers its customers with intelligent, seamless protection across the expanding attack surface and the power to take on ever-increasing performance requirements of the borderless network - today and into the future. Only the Fortinet Security Fabric architecture can deliver security without compromise to address the most critical security challenges, whether in networked, application, cloud or mobile environments. More than 300,000 customers worldwide trust Fortinet to protect their businesses.

Learn more at <http://www.fortinet.com>.



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