

Jak se vyrovnat s GDPR – technická opatření

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Fortinet



Fortinet: Global Network Security Leader

- **Highlights:** 2000 - present



FOUNDED IN
2000
BY KEN XIE



HEADQUARTERED IN
SUNNYVALE
CALIFORNIA

100+



OFFICES
ACROSS
THE GLOBE

4,650



EMPLOYEES WORLDWIDE

IN EXCESS OF
\$1bn

REVENUE

\$1.3bn
IN CASH



30%



GROWTH
YEAR ON YEAR

2.8m

SHIPPED
SECURITY
DEVICES

300K
CUSTOMERS



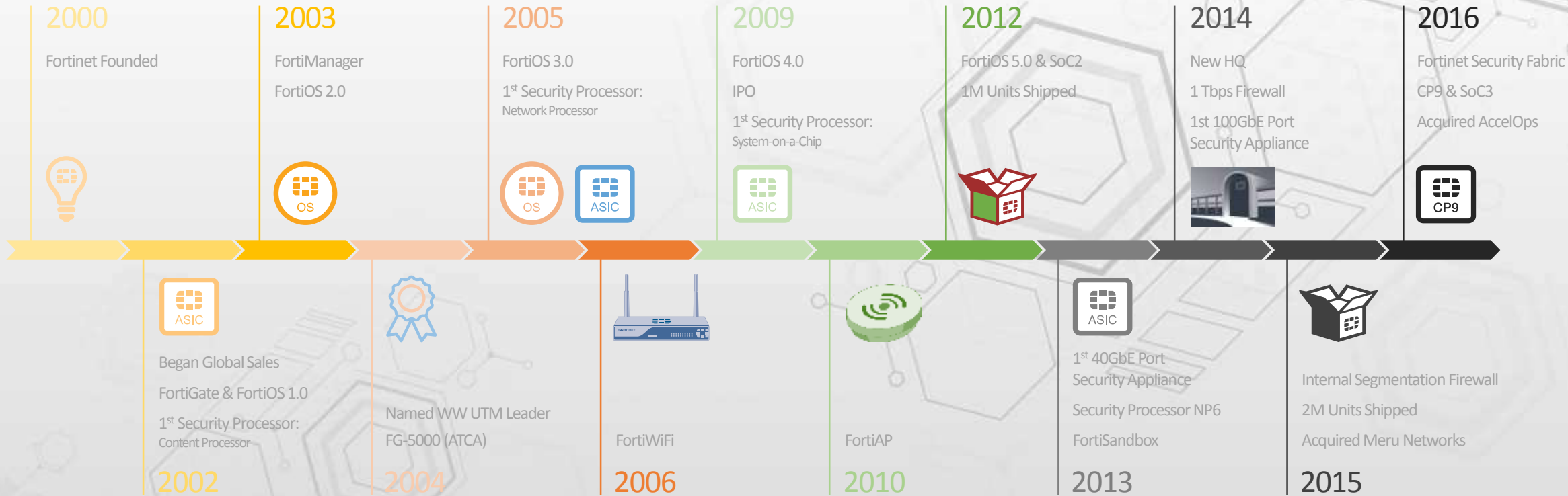
358

PATENTS
ISSUED

292 IN
PROCESS



Fortinet: A History of Innovation



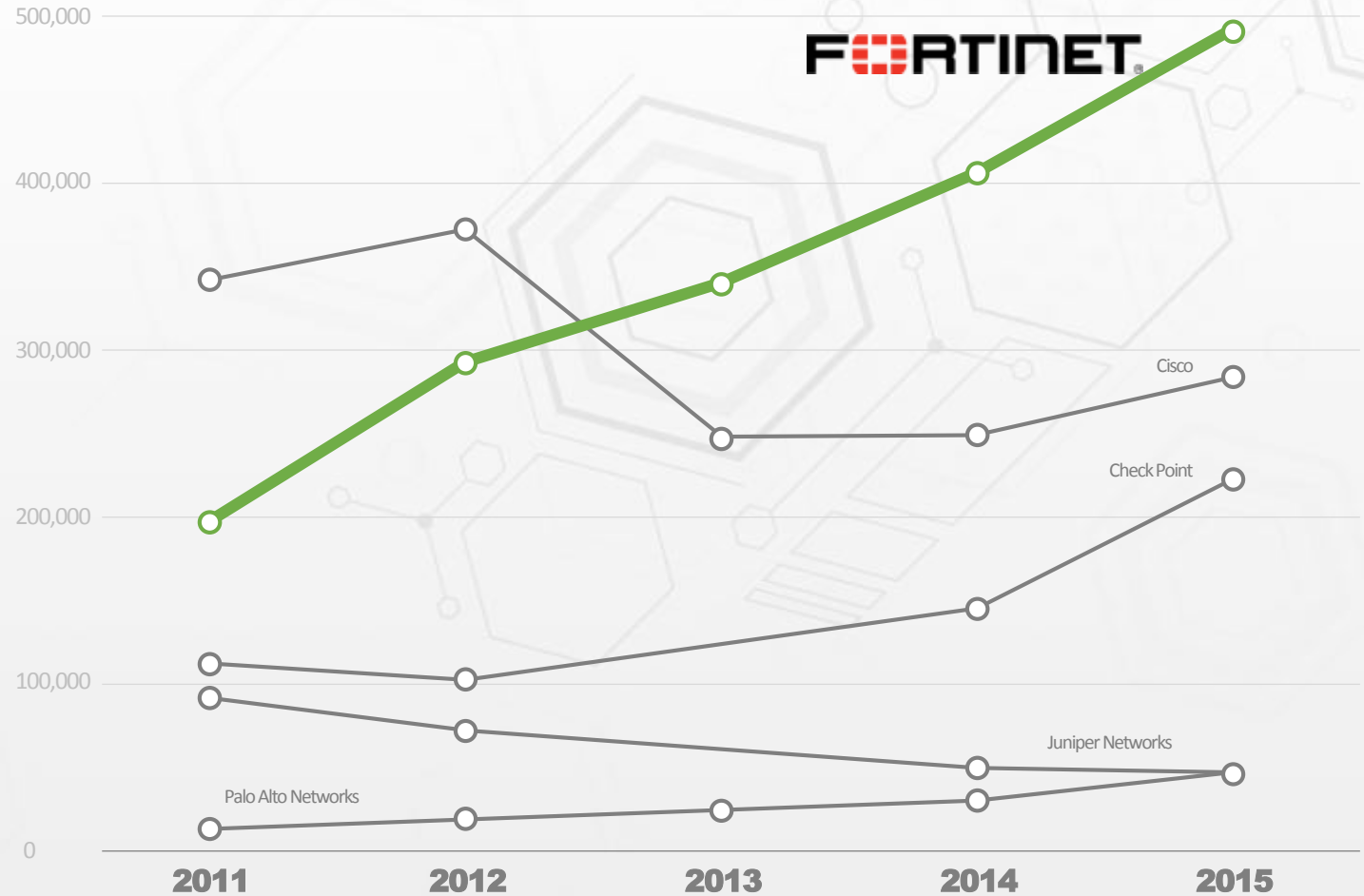
Fortinet: Gaining Share in a Growing Market



- Fortinet vs the Competition

Solving a broad range of challenges...

- Fortinet is the largest network security appliance vendor in the world
- Fortinet has developed a visionary suite of security solutions



Source: IDC Worldwide Security Appliances Tracker, March 2016 (based on annual unit shipments)

General Data Protection Regulation



WP29

Ukrainian blackout 23.12.2015

Target # 1

Company	Prykarpattya Oblenergo
Impact	Blackout in 8 areas of Ivano-Frankivsk region

Target # 2

Company	Kyivoblenergo
Impact	Odpojení 30 elektrických stanic = power loss for more than 80 000 customers

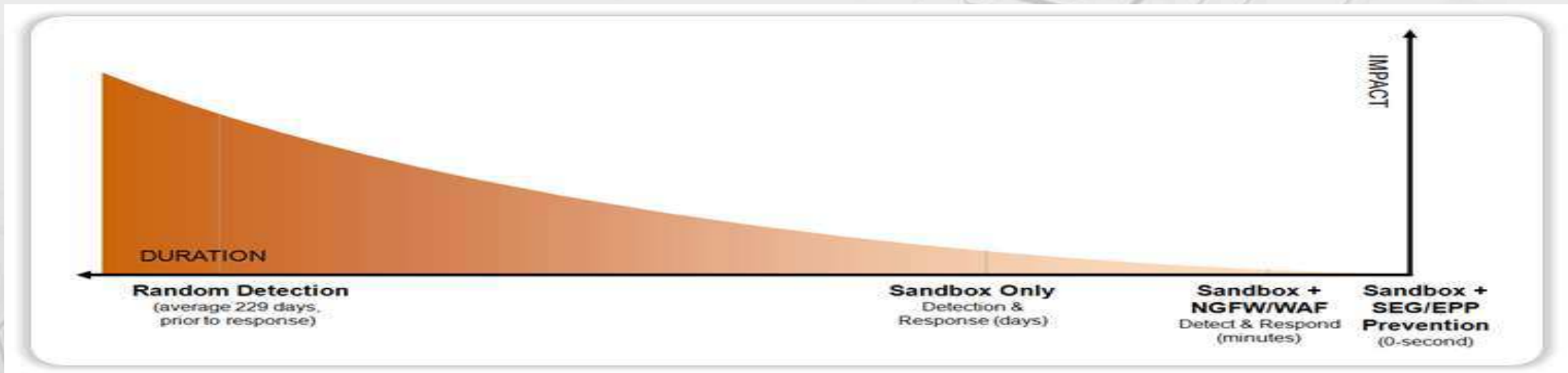


“The big lesson here is that...someone actually brought down a power system through cyber means. That is an historic event, it has never occurred before.”

- Robert M. Lee, Cyber Warfare Operations Officer for the US Air Force

Jaká je reálná situace?

- Doubling of records for both the largest data breach and the largest DDoS attack in history.
- 36% of organizations detected BOTNET activity related to Ransomware
- Printers and Routers top IoT exploited attack mediums
- 86% of registered attacks, exploit vulnerabilities that are over a decade old!
- >50% of overall data traversing an organization is encrypted



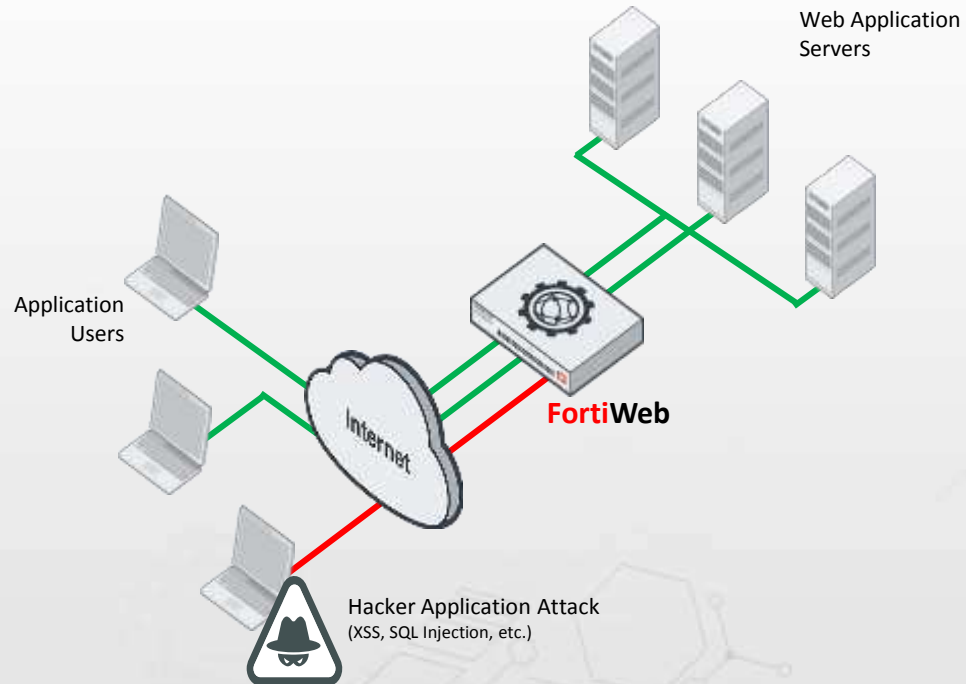
Source:
Gartner. Designing an Adaptive Security Architecture for Protection From Advanced Attacks. February 2014.

Sandbox

- Zkrácení doby od nakažení k identifikaci
- Historické soubory
- Podatelny
- MAIL
- FW
- WEB
- ENDPOINTY



WAF



- Podatelny
- ICS
- Sandbox



40%

of data breaches caused by application vulnerabilities¹



80%

of enterprises to have Web Application Firewalls by 2018²

100%[↑]

Published Critical Vulnerabilities exploited in 1 year¹

Notes/Sources:

1. Verizon 2016 Data Breach Report.
2. Gartner Magic Quadrant for Web Application Firewalls 2016.

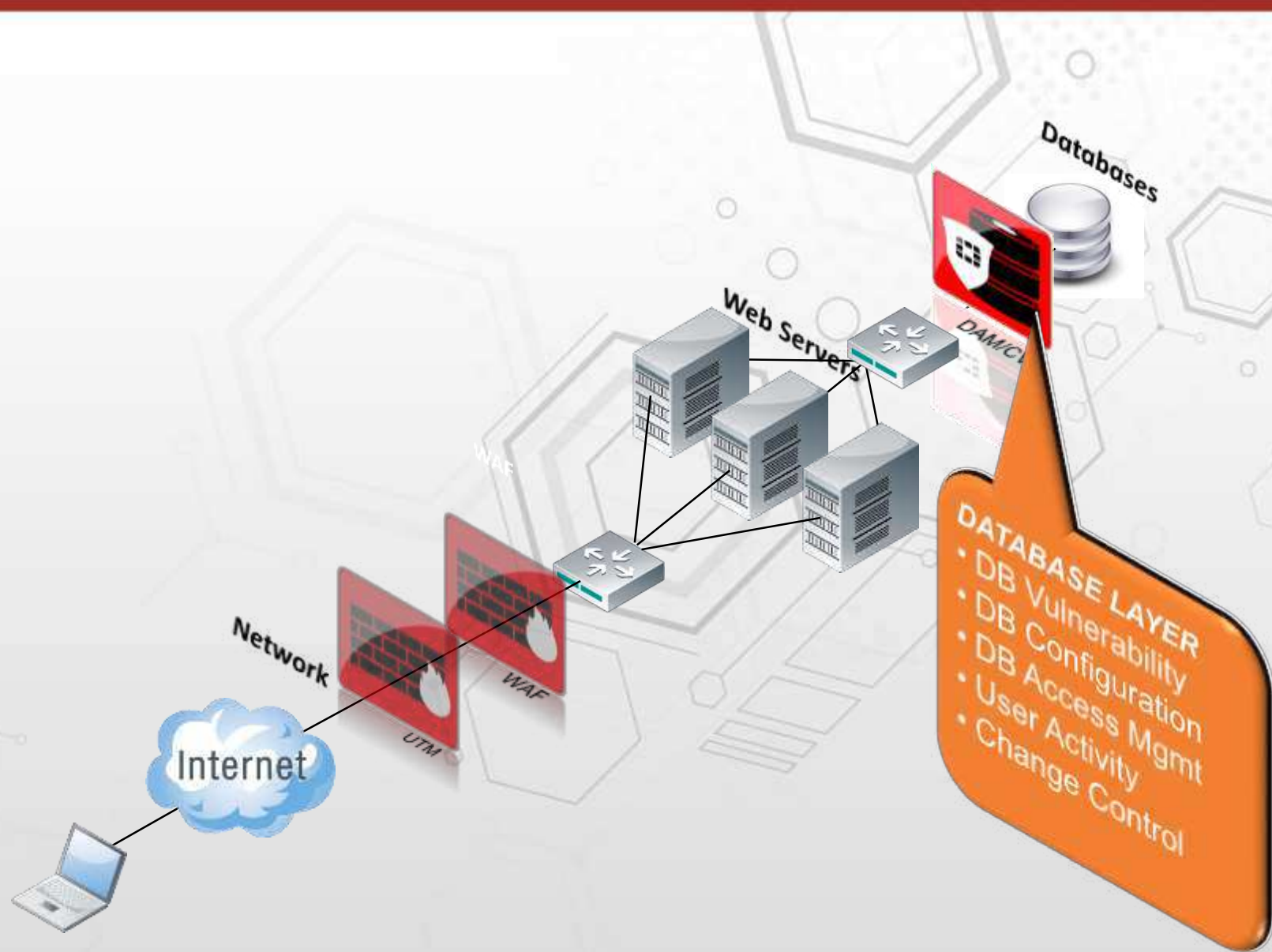
SIEM

- TOP přehled
- Podklad pro DPO
- (Pověřenec pro ochranu osobních údajů)
- Network Security
- Threat Intelligence



Ochrana databází

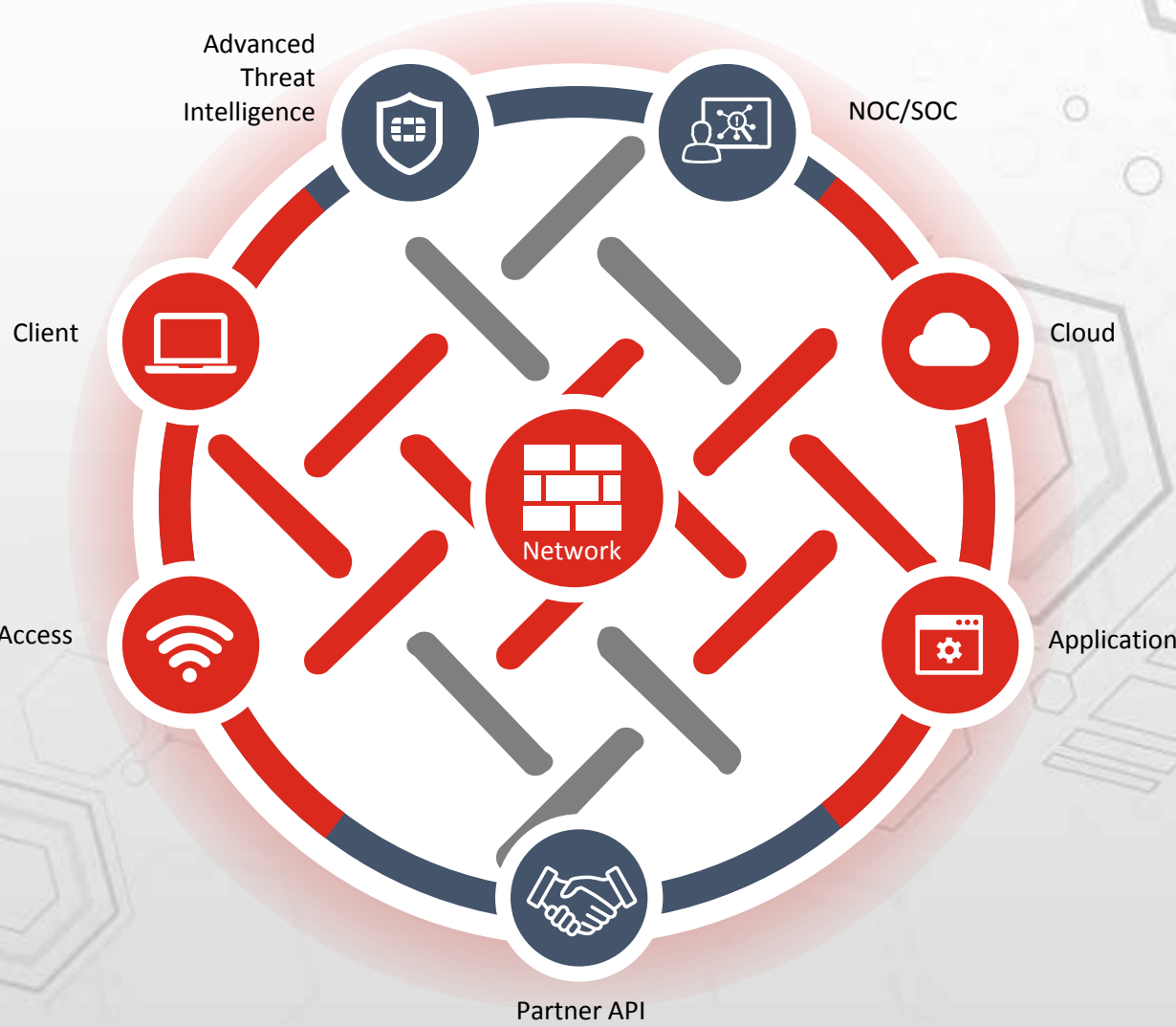
- Ochrana před „neútoky“
- Zranitelnost databází
- Chyby konfigurace
- Management přístup
- Aktivity uživatelů
- Řízení změn



Řešení FORTINET



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