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Smysluplná ochrana vs finance aneb nemusí to být "za raketu"

Viktor Pleštil

Major Account Manager





Digital Innovation Impacts Every Business

Many business-critical trends are driving organizations to accelerate digital innovation to transform key growth areas of their business. However, these vital efforts also exponentially grow the organization's digital attack surface and increase cyber risk.



Massive increase in remote worker access



New, more sophisticated business applications



Applications migrate to more compute platforms

EDGE

EXPLOSION

More edges appearing

across the network



Proliferation of vulnerable, network enabled devices



Growing data privacy and regulatory concerns, board level reporting

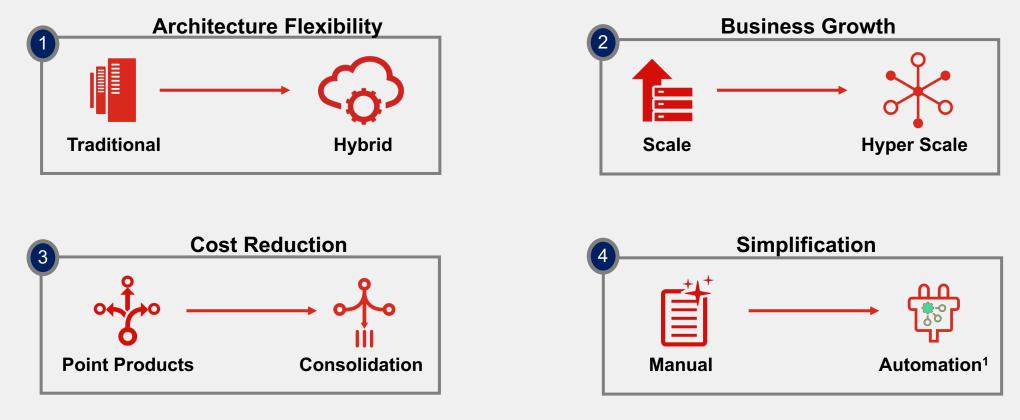




End-to-end performance becoming a critical differentiator

The Ever-Changing State of Network Security

Further Fueled by Innovations Required for New Normal



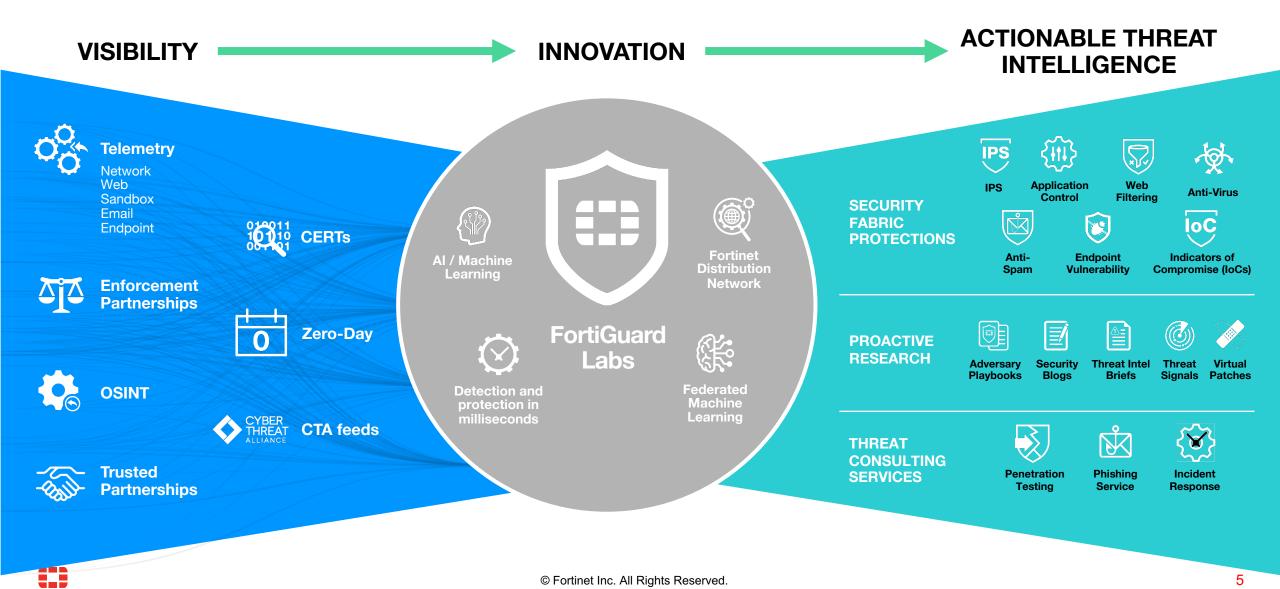
1. Gartner: Top 10 Trends Impacting Infrastructure and Operations for 2020 Published 14 April 2020 - ID G00464437

Smysluplná ochrana – co je třeba vzít v úvahu?

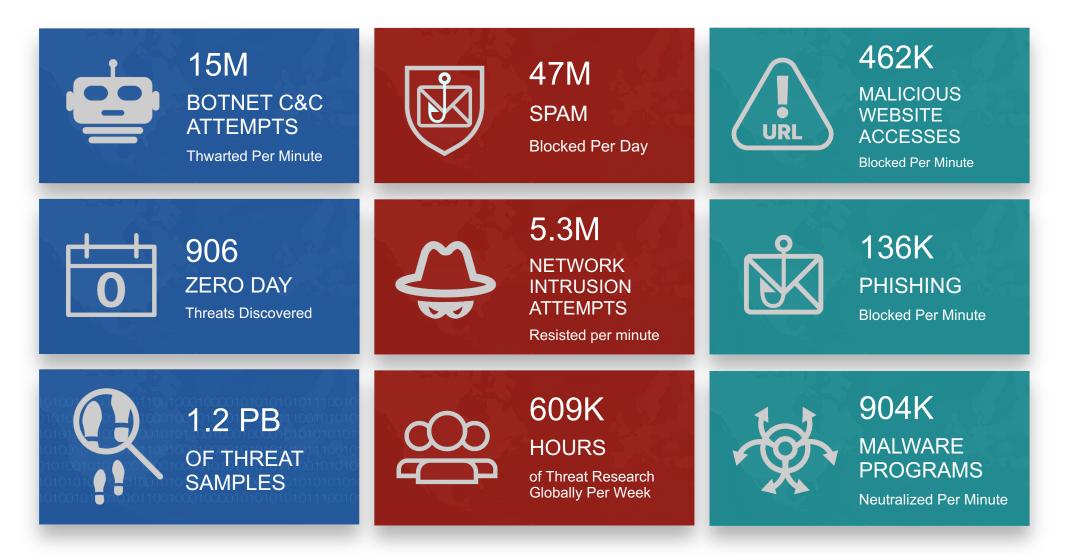
- Čím vice tím lépe ne vždy platí konfigurace je důležitější
- Parametry co je opravdu potřeba a co je "nice to have"
- Širší portfolio vs jeden předimenzovaný product větší riziko hrozeb z vice směrů
- Hledisko personálních možností pracnost obsluhy analýzy, automatizace
- Firewall
- Mailová ochrana
- Sandboxing
- Endpoint protection
- Společný jmenovatel F Fabric

FortiGuard Labs Overview



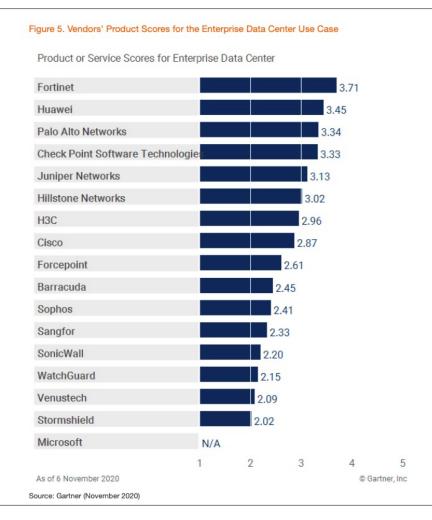


FortiGuard Labs Statistics (Q4 2020)



Gartner 2020 Critical Capabilities for Network Firewalls

Enterprise Data Center



Fortinet is ranked **Highest** for the Enterprise Data Center Use Case

This marks two years in a row for scoring the highest in the Enterprise Data Center Use Case

This graphic was published by Gartner, Inc. as part of a larger research document and should be evaluated in the context of the entire document. The Gartner document is available upon request from Fortinet Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

Business Value of Adopting Network Firewalls





- Trusted Application Access
- Consistent end-to-end security

02 Reduce Costs & Manage Hyperscale



• Deliver Optimal User Experience

03 Higher Operational Efficiency

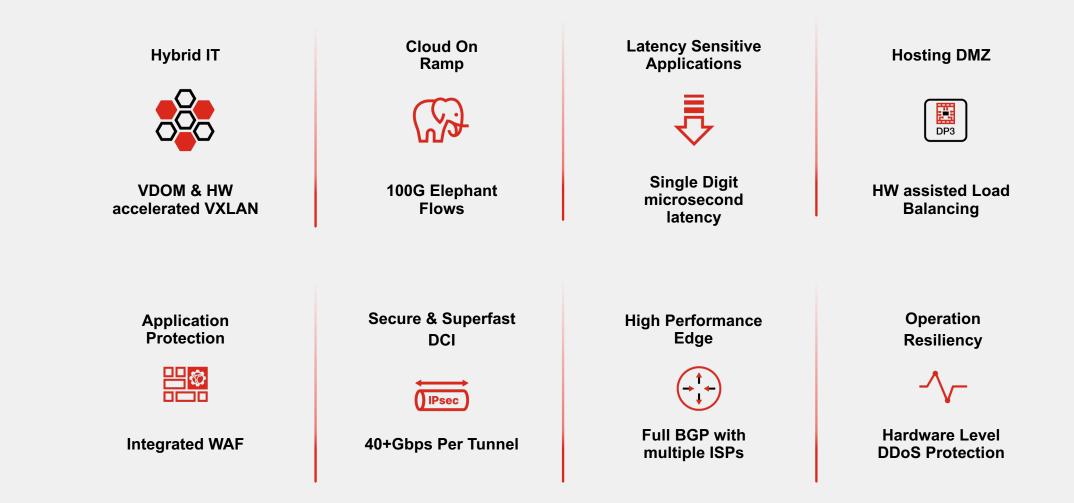


Minimize business disruptions

• Streamline enterprise-wide workflows

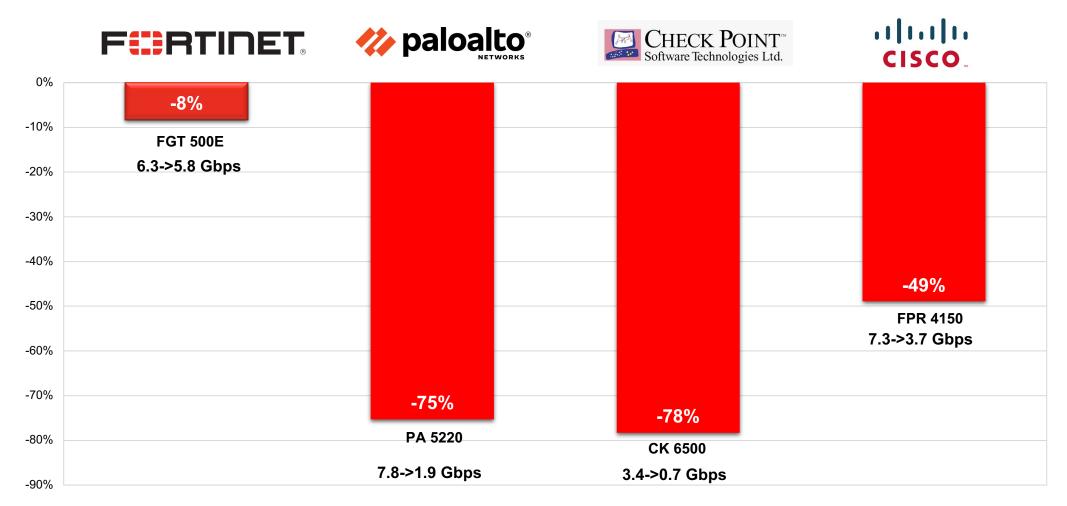
Expect More From A Network Firewall

FortiGate Delivers Unparallel Enterprise Grade Security



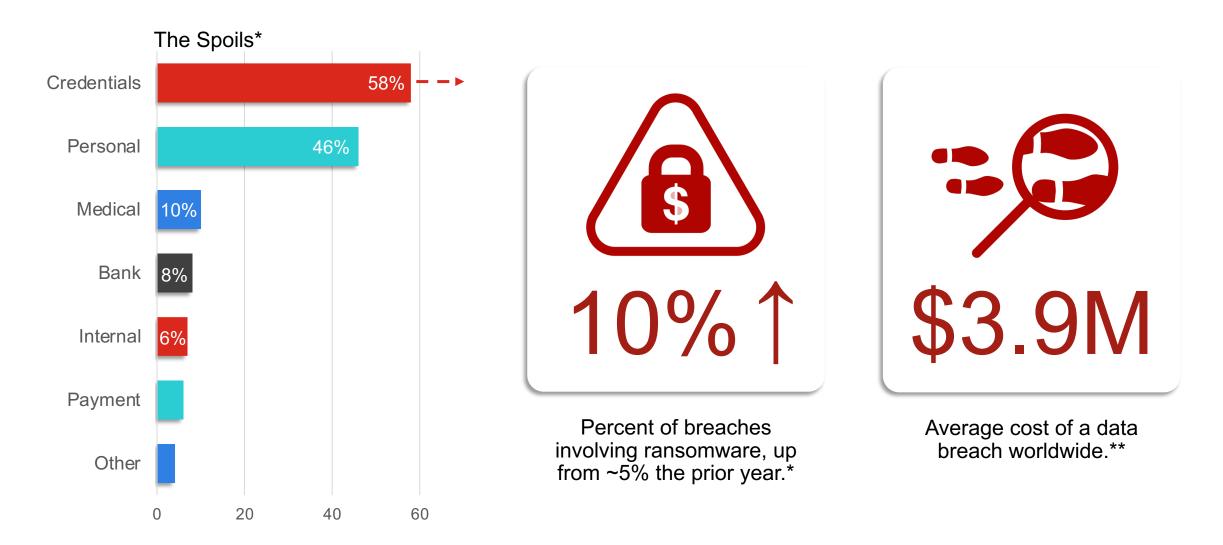
SSL Inspection Is the Key to Detect Hidden Threats

NSS Labs NGFW 2019 – New SSL Performance Test



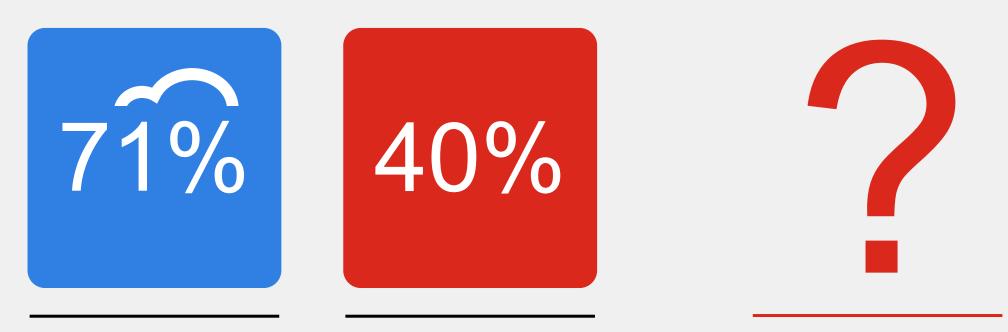
HTTP \rightarrow HTTPS Performance Decrease

Email's use as a primary threat vector...



*Statistics from Verizon Data Breach Investigations Report 2021. **Ponemon Institute Cost of a Data Breach Report 2020.

The trend toward cloud-based email



Percent of companies using cloud or hybrid cloud email today.*

Percent of companies that will use native-built security controls in 2023.* How effective are native/built-in email security tools?

*Gartner, "Market Guide for Email Security," authors Mark Harris, Peter Firstbrook, Ravisha Chugh, published September 8, 2020.

Performance results from SE Labs

Great email - Not so great email security

EXECUTIVE SUMMARY									
Product	Protection Accuracy Rating	Legitimate Accuracy Rating	Total Accuracy Rating	Total Accuracy Rating (%)					
Perception-Point	2,603	700	3,303	94%					
Fortinet FortiMail	2,525	640	3,165	90%					
Mimecast Secure Email Gateway	2,412	700	3,112	89%					
Kaspersky Security for Office 365	1,681	550	2,231	64%					
Google G Suite Enterprise	956	505	1,461	42%					
Google G Suite Business	825	535	1,360	39%					
Microsoft Office 365	463	550	1,013	29%					
Microsoft Office 365 Advanced Threat Protection	426	550	976	28%					



Google Workspace Microsoft 365

More malicious threats, more spam and more risk is getting through to organizations using Microsoft 365.

High marks in performance across 3rd party testers



99.9%

Detection of malicious emails across malware types and across malware families.



94% Overall Detection Rate

91% Protection and Legitimate Handling Rate

> 90% Total Accuracy Rate



99.78% Spam Catch Rate

94.71% Malware Catch Rate

93.01% Phishing Catch Rate



100% WildList Detection Rate

Options for any organization size and deployment

FortiMail We want full control. FortiMail solutions for organizations that prefer full control and management over their email security. **Appliances** 6 VM models 6 models •

- Filter 30K to 2.0M messages per hour*
- Support for 10GE

Virtual Machines

- CPU and domain-based •
- Perpetual licensing or **On-Demand**



FortiMail Cloud

Manage it for us.

FortiMail Cloud solutions for organizations that want email security-as-a-service.

SaaS/API*

- Fully-managed by Fortinet ٠
- Gateway or Server mode ٠
- Standard or Premium ٠
- Per user per year ٠

Sandbox Borne From FORTIGUARD LABS

Since 2000, FortiGuard Labs has provided in-house, industry-leading security intelligence and research, powering Fortinet's platform and delivering a suite of advanced services

Industry Leading Patented Security Technology



900+ 0-days discovered (2021)

Delivering Advanced Technologies

- FortiSandbox Machine Learning Model
- FortiWeb Machine Learning Model

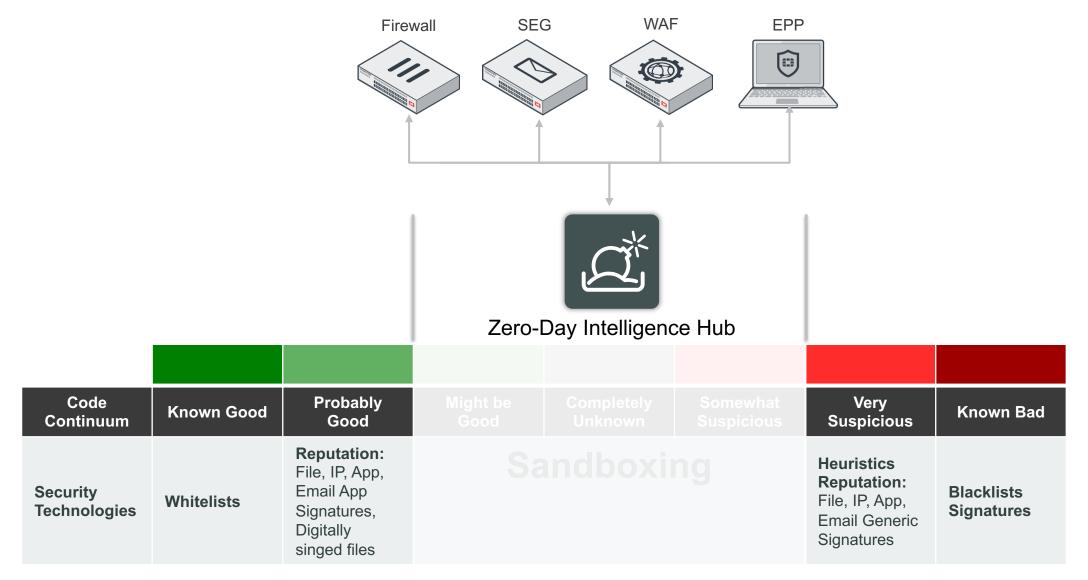
Delivering Intelligence Services

- CPRL AV, IPS, App Control, IP Reputation, Web Filter, Anti-Spam, Web Security App, Vulnerability Management
- Virus Outbreak Service and Content Disarm & Reconstruction (FortiMail and FortiGate)

Published Research

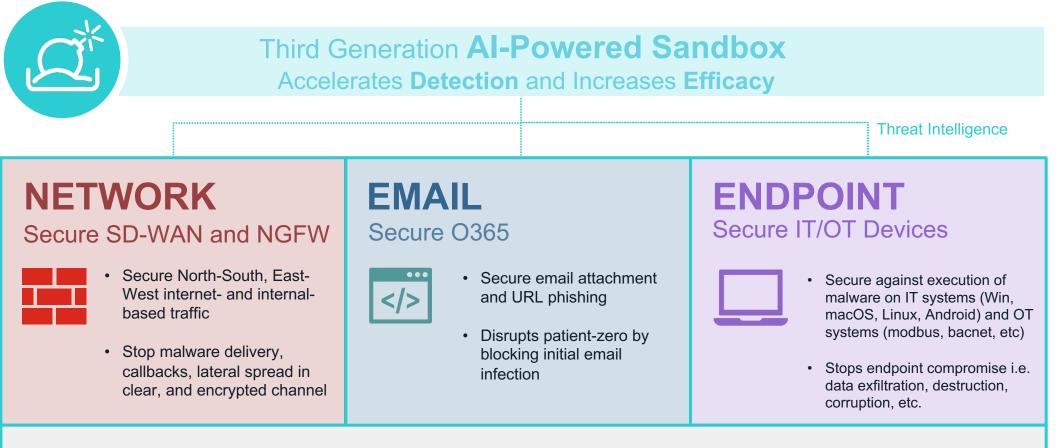
- Quarterly Threat Report
- Bi-weekly Threat Brief
- Blogs

How Should We Address 0-day Threats?



Integrated and Automated 0-day Protection

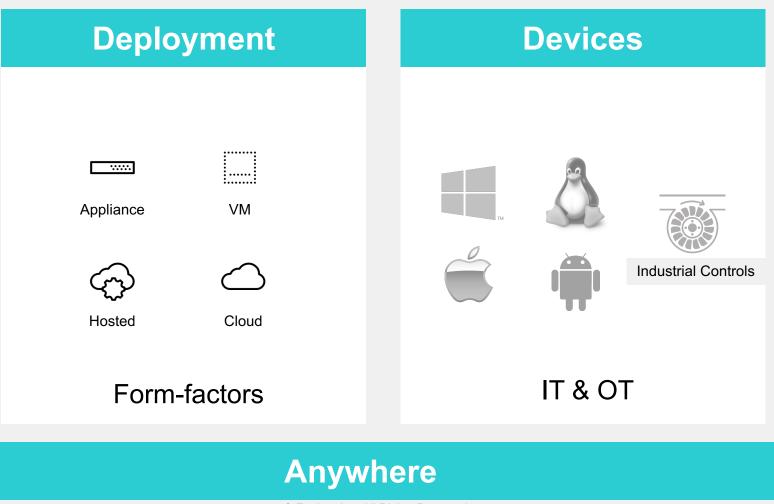
Use-case: 0-day Protection for Network, Email and Endpoint (IT/OT)



Automated Breach Protection

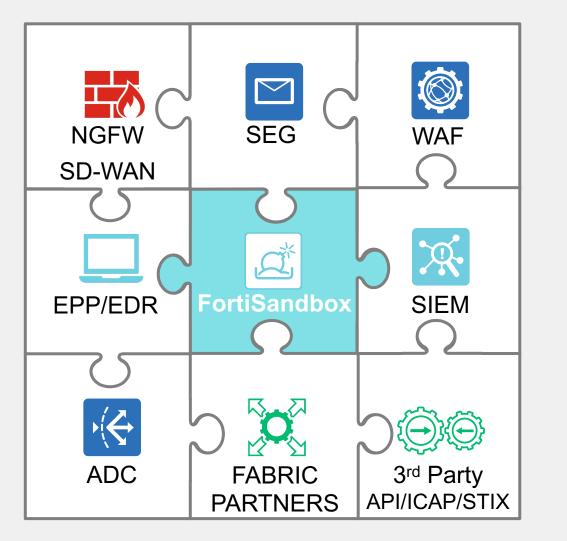
Broad Coverage

Flexible deployment to protect the dynamic attack surface



Integrated Protection

Across Fortinet and Non-Fortinet Products







Endpoint Security Gaps

Ponem n



63% of companies can not monitor offnetwork endpoints, over half can't determine endpoint compliance status

Lack of Visibility

According to Gartner



Through 2021, **99%** of vulnerabilities exploited will continue to be ones known by security and IT professionals for at least one year.

Vulnerabilities

verizon /

87%

Most compromises took minutes, or less

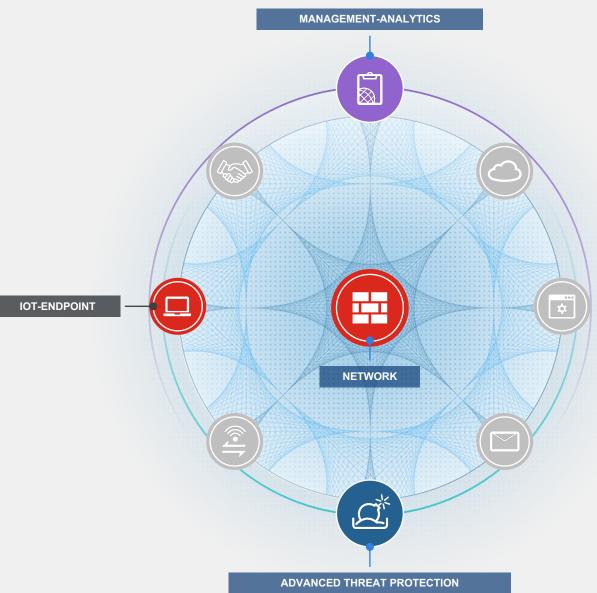
Attacks are fast moving

Sources:

- 1. The Cost Of Insecure Endpoints, Ponemon Institute, 2017
- 2. Gartner, How to Respond to the 2018 Threat Landscape, Greg Young, 28 November, 2017
- 3. Breach Investigation Report, Verizon, 2018

Fabric-enabled Endpoint Protection Delivers...

- Integrated endpoint visibility and compliance control
- Proactive endpoint defense
- Automated threat containment and outbreak control
- Secure remote access



FortiClient is more than just Endpoint Security



Works with other 3rd Party AV as additional layer of protection *

"Případová studie"

- 250 zaměstnanců
- 3 lokality centrála a dvě pobočky
- HW FG v HA, HW Sandbox, FAZ, Mail VM, FCL
- 24 měsíců

Zakázka malého rozsahu

Fortinet makes possible a digital world you can always trust

Fortinet's mission is to secure people, devices, and data everywhere.





