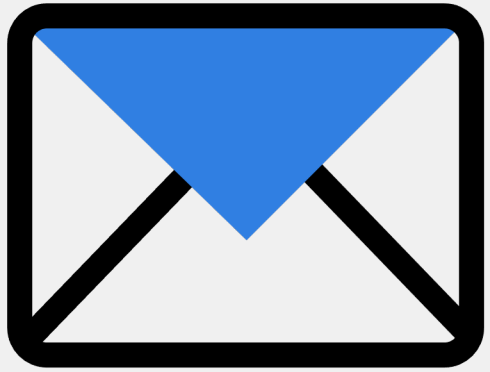
FORTINET®

Splňuje vaše zabezpečení emailové komunikace ochranné opatření NÚKIB?

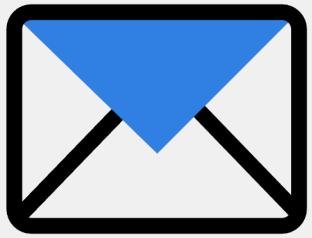
Jak spolu komunikují emailové servery?

SMTP

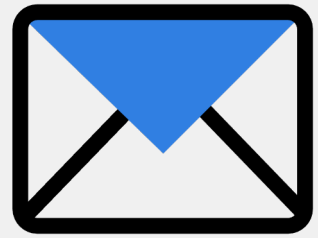
Simple Mail Transfer Protocol



Byla emailová komunikace navržena jako bezpečná?



```
S: 220 smtp.example.com ESMTP Postfix
C: HELO relay.example.com
S: 250 smtp.example.com, I am glad to meet
you
C: MAIL FROM:bob@example.com
S: 250 Ok
C: RCPT TO:alice@example.com
S: 250 Ok
C: DATA
S: 354 End data with <CR><LF>.<CR><LF>
C: From: "Bob Example" bob@example.com
C: To: Alice Example alice@example.com
C: Date: Tue, 29 Jan 2024 16:02:43 -0500
C: Subject: Test message
C:
C: Hello Alice.
C: This is a test.
C: .
S: 250 Ok: queued as 12345
C: QUIT
S: 221 Bye
```



Ochranné opatření NÚKIB

Ochranné opatření

Metodika

NÚKIB

Národní úřad pro kybernetickou a informační bezpečnost

https://nukib.gov.cz/download/uredni_deska/2021-10-08_OchranneOpatreni_final.pdf
https://nukib.gov.cz/download/uredni_deska/2021-10-08_Metodika_final.pdf

Koho se týká?

Orgány a osoby uvedené v § 3 písm. c) až f) zákona o kybernetické bezpečnosti (č. 181/2014 Sb)

c) správce a provozovatel informačního systému kritické informační infrastruktury,

d) správce a provozovatel komunikačního systému kritické informační infrastruktury,

e) správce a provozovatel významného informačního systému,

f) správce a provozovatel informačního systému základní služby, pokud nejsou správcem nebo provozovatelem podle písmene c) nebo d),

§

Co se po nás chce?

Šifrování (STARTTLS)

SPF (Sender Policy Framework)

DKIM (DomainKeys Identified Mail)

DMARC (Domain-based Message Authentication Reporting and Conformance)

DANE (DNS-based Authentication of Named Entities)

Jak zjistím, zda splňuji požadavky?

Bez odpovědi na email

S odpovědí na email

European Commission

https://internet.nl/test-mail/
https://mecsa.jrc.ec.europa.eu/en/

Jak nám může pomoci Fortinet?

Secure Networking

- **FortiGate Firewall**
- **FortiGate VM** Virtual Firewall
- **FortiCNF** Cloud-native Firewall
- **FortiSASE** Firewall-aaS
- **FortiGate** Rugged NGFW
- **FortiSwitch** Switching
- **FortiAIOps** AI For Networking
- **FortiAP** Access Point
- **FortiNAC** NAC
- **FortiSwitch** Rugged Switch
- **FortiExtender** LTE/5G
- **FortiAP** Rugged AP
- **FortiExtender** Rugged Extender

Universal SASE

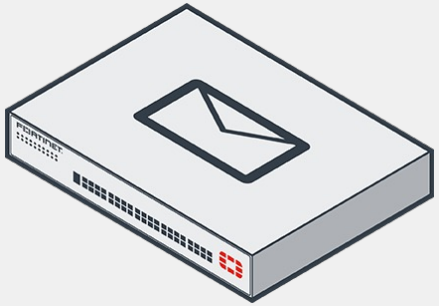
- **FortiSASE** SSE
- **FortiClient** ZTNA
- **FortiGate** SD-WAN
- **FortiMonitor** DEM
- **FortiToken** MFA
- **FortiPAM** PAM
- **FortiAuthenticator** IAM
- **FortiTrust Identity**
- **FortiGate VM** Virtual Firewall
- **FortiCNP** Cloud-native Protection
- **FortiWeb** (WAAP)
- **FortiADC** Application Delivery
- **FortiGate CNF** Cloud-native Firewall
- **FortiDevSec** Application Security Testing

Security Operations

- **FortiEDR/XDR** EDR/XDR
- **FortiAnalyzer** Analytics
- **SOCaaS**
- **FortiNDR** NDR
- **FortiSIEM** SIEM
- **MDR Service**
- **FortiDeceptor** Deception
- **FortiSOAR** SOAR
- **IR Service**
- **FortiRecon** DRPS
- **FortiSandbox** Sandbox
- **FortiMail** SEG

Jak nám může pomoci Fortinet?

Škálovatelné řešení pro každého zákazníka



Hardware Appliances

- 5 modelů
- Filter 50k až 3.5m zpráv za hodinu
- Podpora 10GE

Virtual Appliances

- 6 VM modelů
- CPU- and Domain-based
- Doživotní licence
- Subscription

SaaS

- Gateway nebo Server mod
- Standard nebo Premium
- Per uživatel Per rok

FortiMail balíčky

Enterprise ATP Bundle

Base Bundle

Antispam Service

- Sender IP ratings
- Embedded URL ratings
- Content-based hashes for spam and phishing campaigns
- Separate “newsletter” identifiers

Antivirus Service

- One-to-many signatures
- Heuristic rules
- Emulation
- Decrypting/ Unpacking
- Patented content pattern recognition language (CPRL)

Outbreak Prevention

- Pre-signature intelligence
- Covers emerging spam and malware campaigns
- Leverages new sandbox and other intelligence

FortiSandbox Cloud

- FortiSandbox hosted by Fortinet
- Includes prefiltering, emulation and full instrumented analysis
- Subscription-based
- No separate sandbox required

Content Disarm and Reconstruction

- Removes high risk active content
- Supports Microsoft Office and Adobe
- Can be applied by user, group or policy
- Original documents can be retained and restored

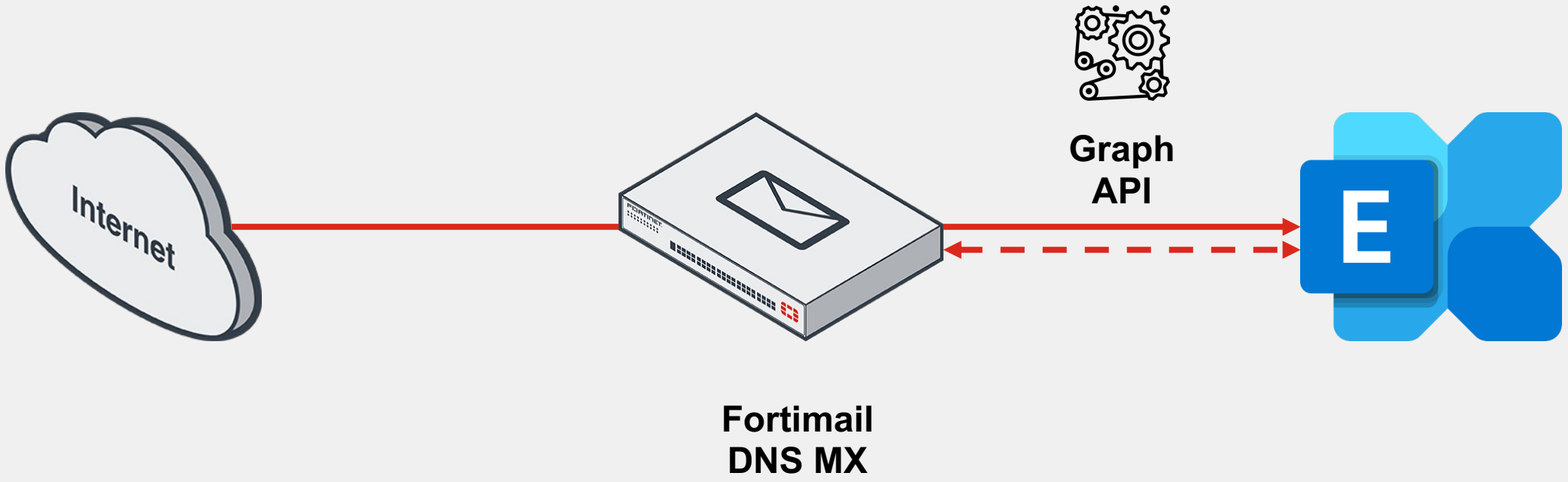
Click Protect

- Dynamic reputation query
- Determines rating at the time of user click
- Identifies recently compromised sites changed shortly after campaigns are launched

Impersonation Analysis

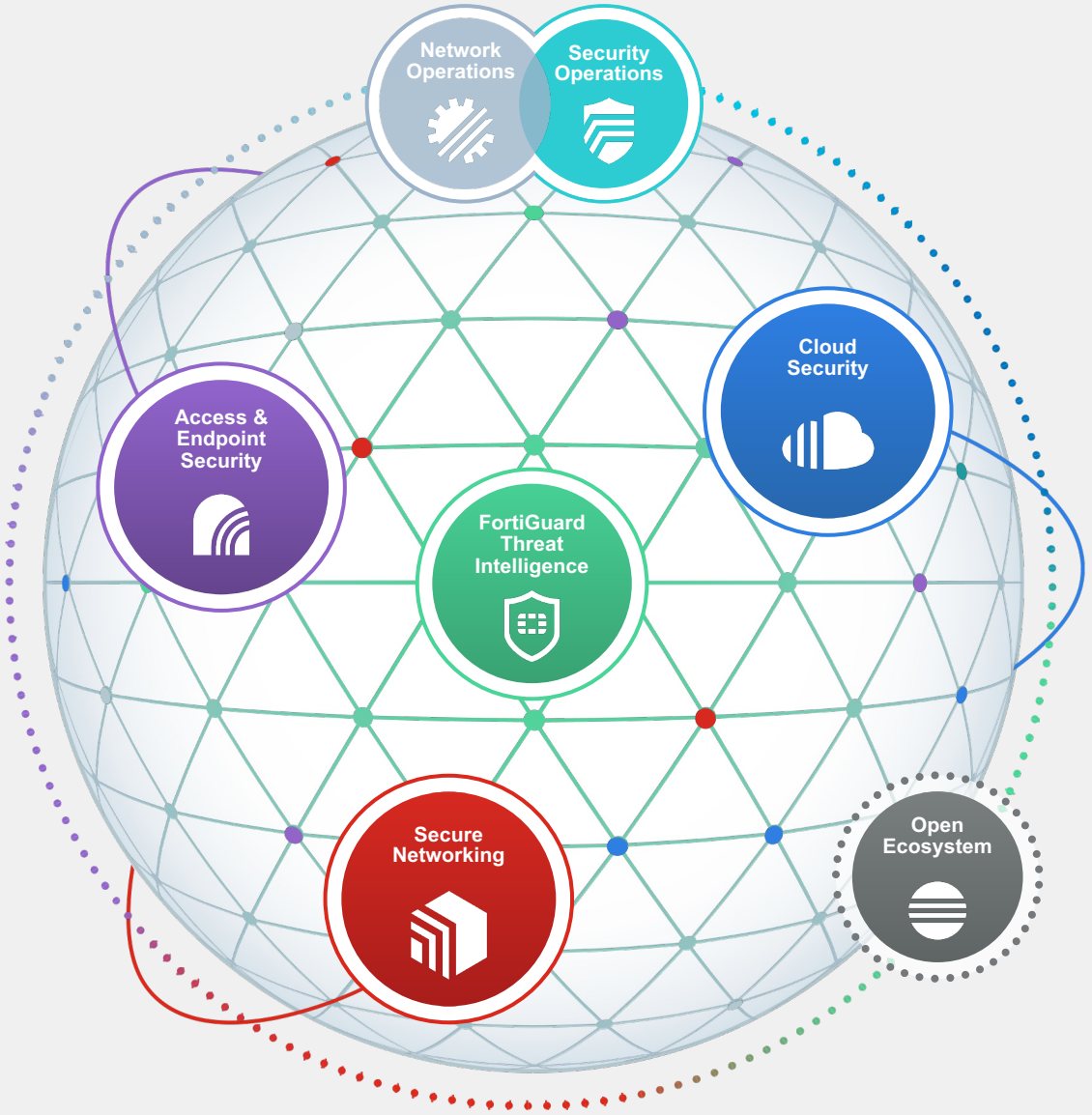
- Identifies spoofed email
- Dynamically builds protections for common email addresses
- Complements sender authentication

Microsoft 365 - Exchange online – API ochrana



Integrace v rámci Fortinet Security Fabric

Budoucnost zabezpečení emailu přesahuje rámec emailu.



High marks in performance across 3rd party testers

ICSA labs CERTIFIED ADVANCED THREAT DEFENSE – EMAIL

99.8%

Detection of malicious threats in emails.

vb VERIFIED SPAM virusbtn.com

99.90%

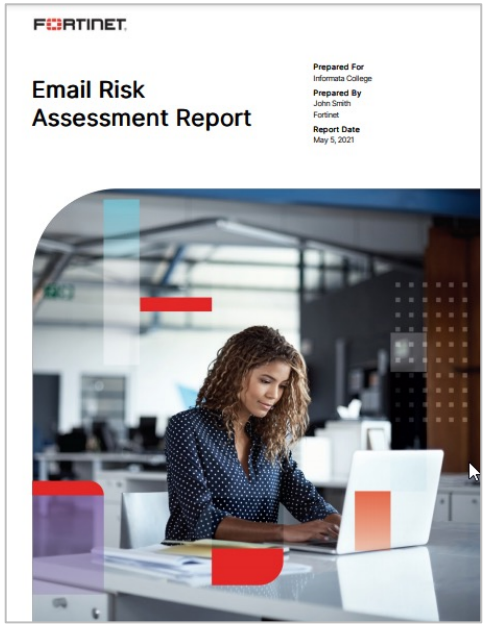
Spam Catch Rate

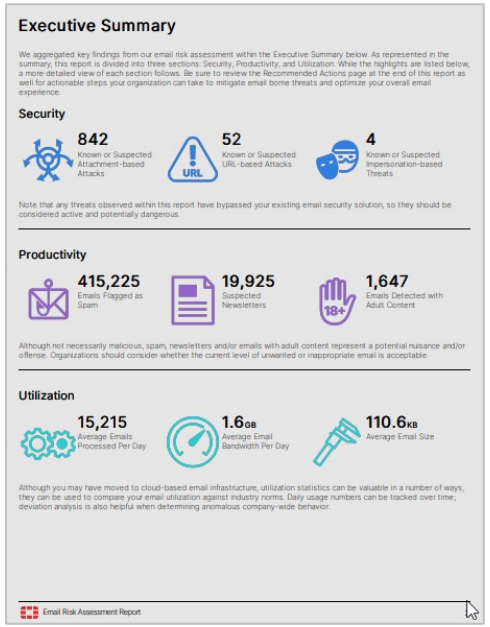
vb 100 VIRUS virusbtn.com

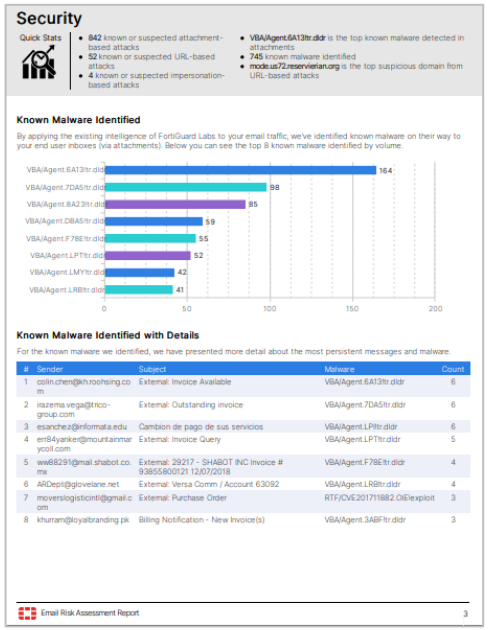
100%

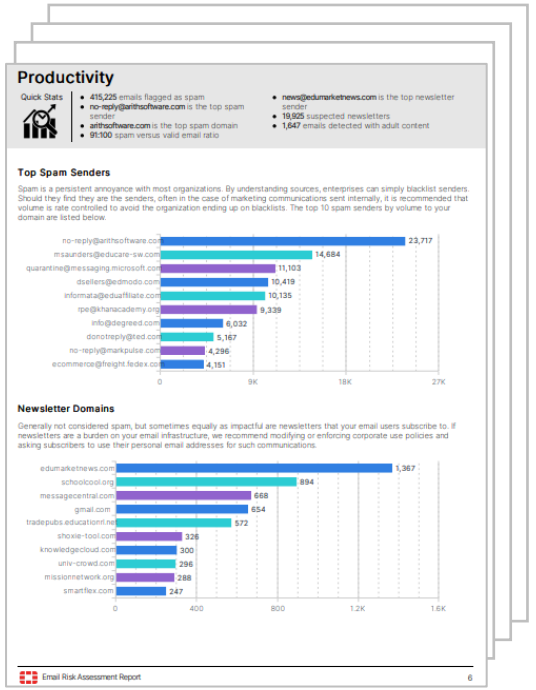
Malware Detected

CTAP – zhodnocení emailového zabezpečení









Microsoft 365

Google Workspace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