

GREYCORTEX

Bezpečnostní audit sítě za 30 minut
aneb co se skrývá ve vašich IT a OT sítích

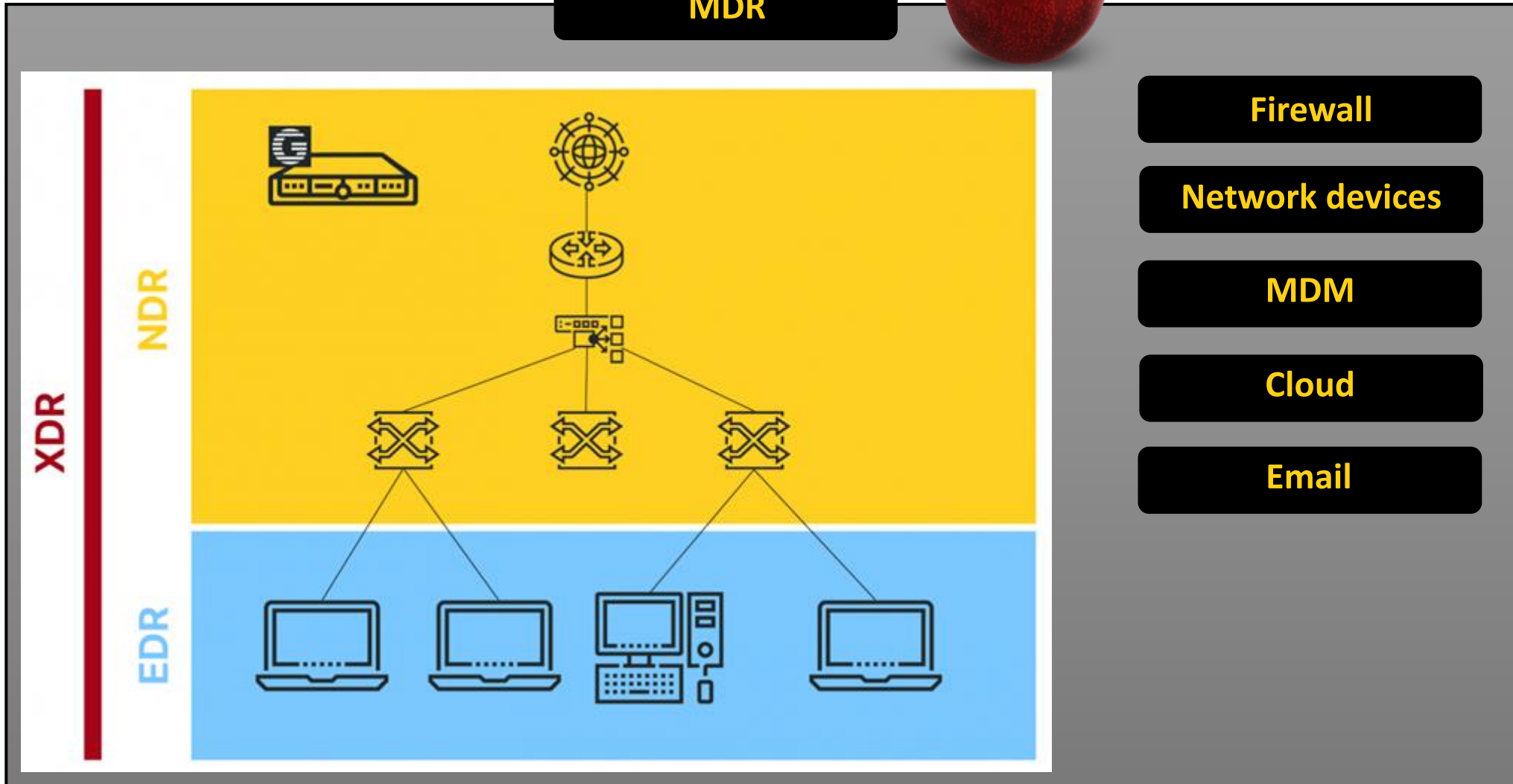
| ITAPA 2023 |

Ondřej Hubálek

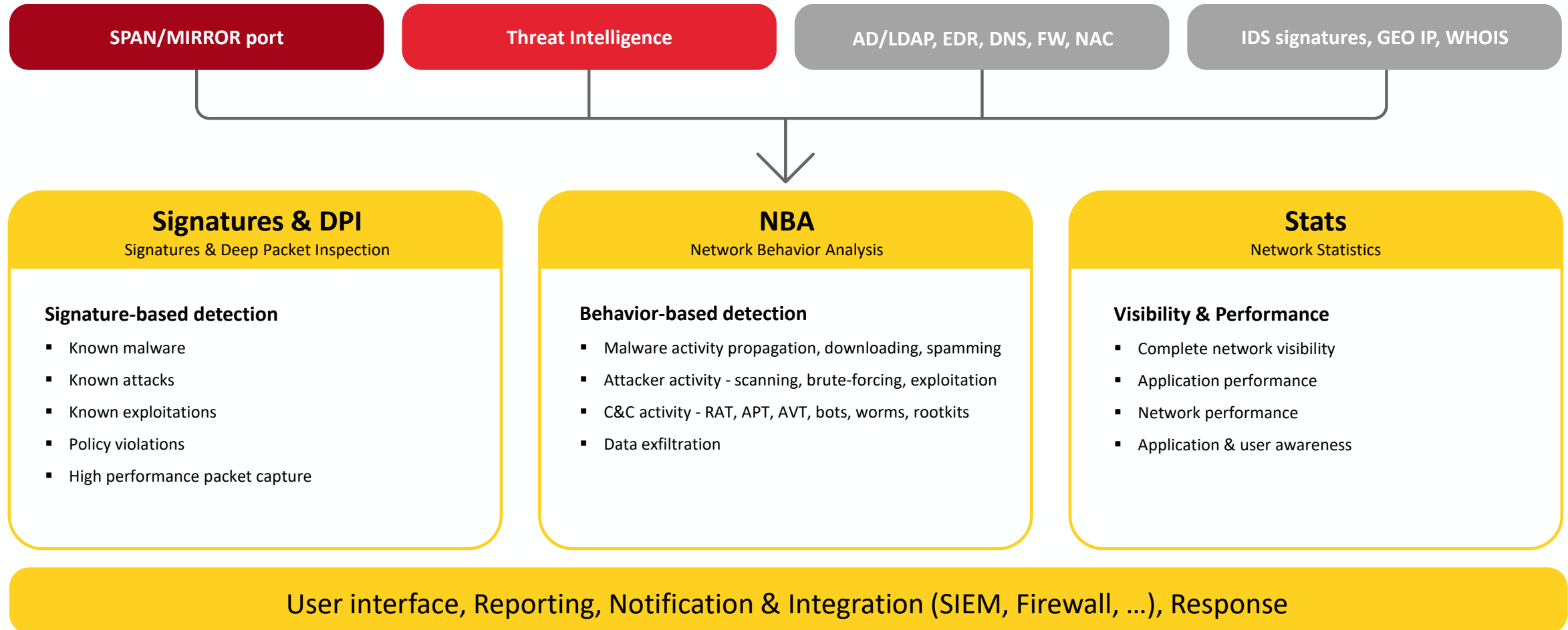
Wave of EDR, XDR, NDR and MDR



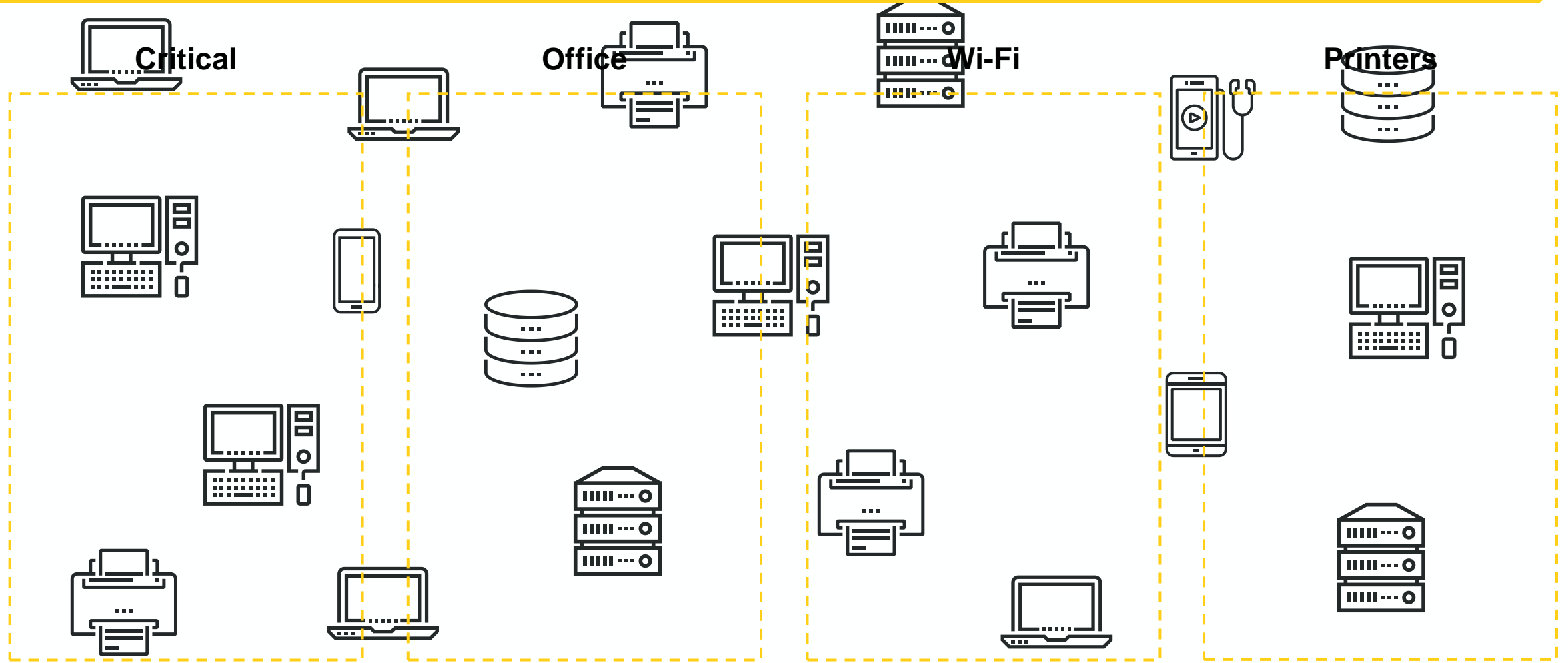
MDR



Architecture

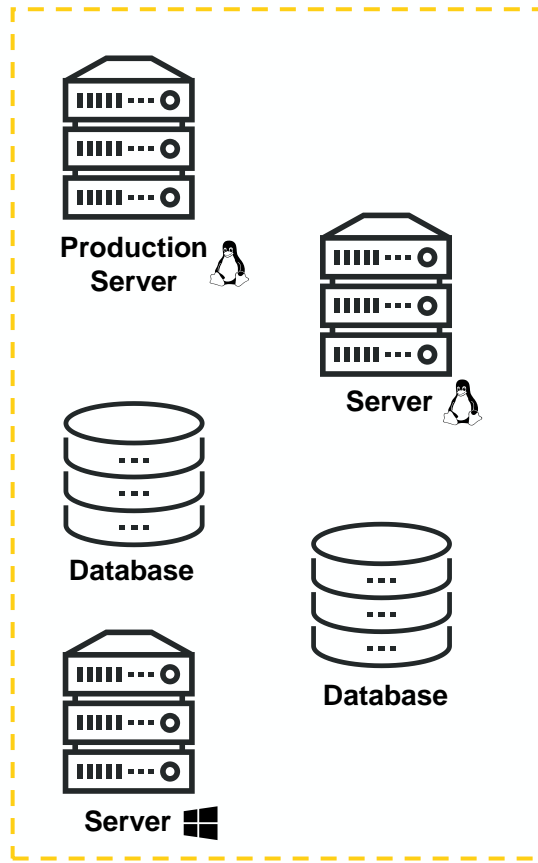


Visibility

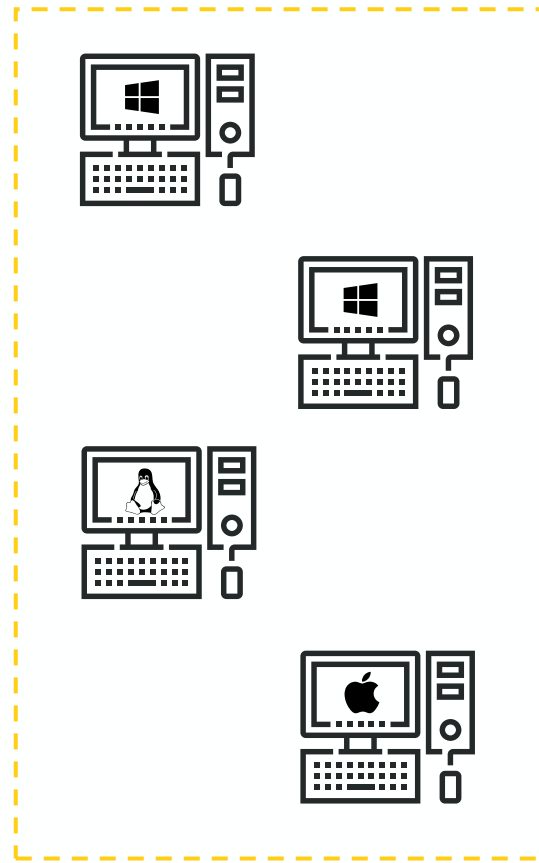


Vysibility

Critical



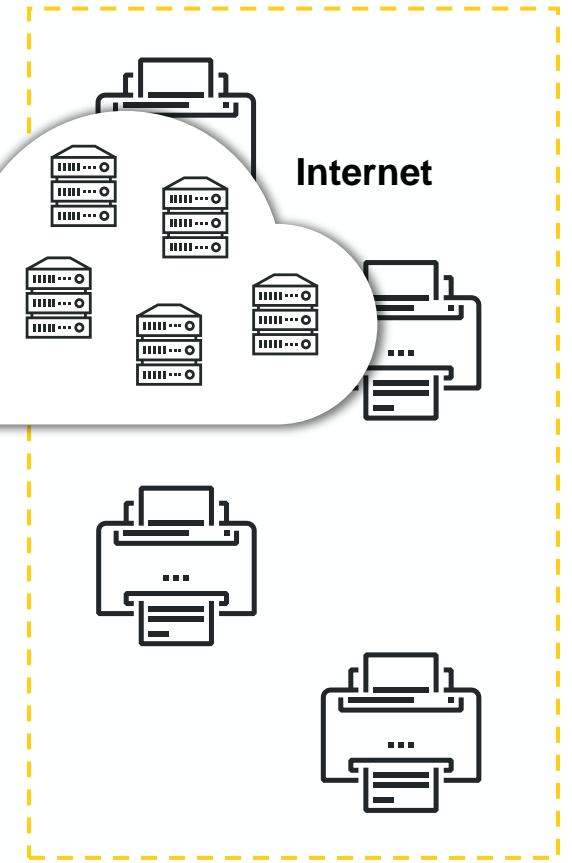
Office



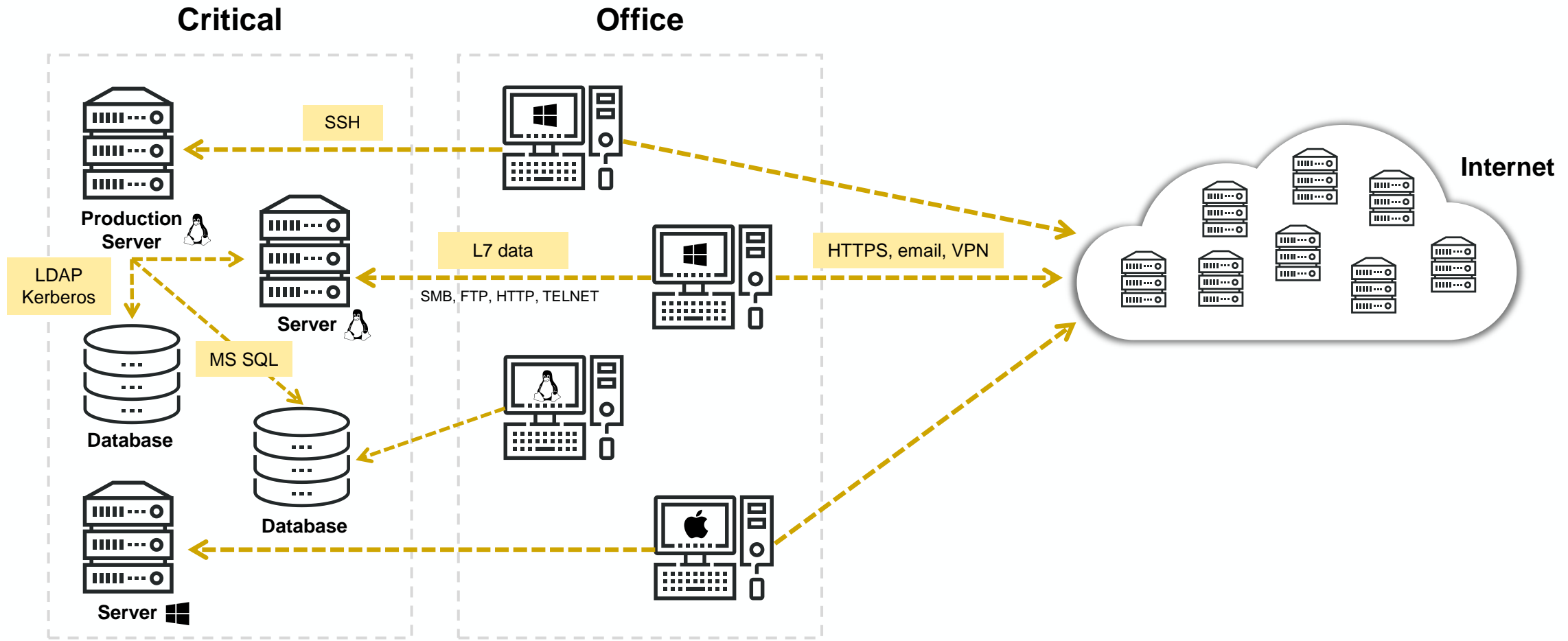
Wi-Fi



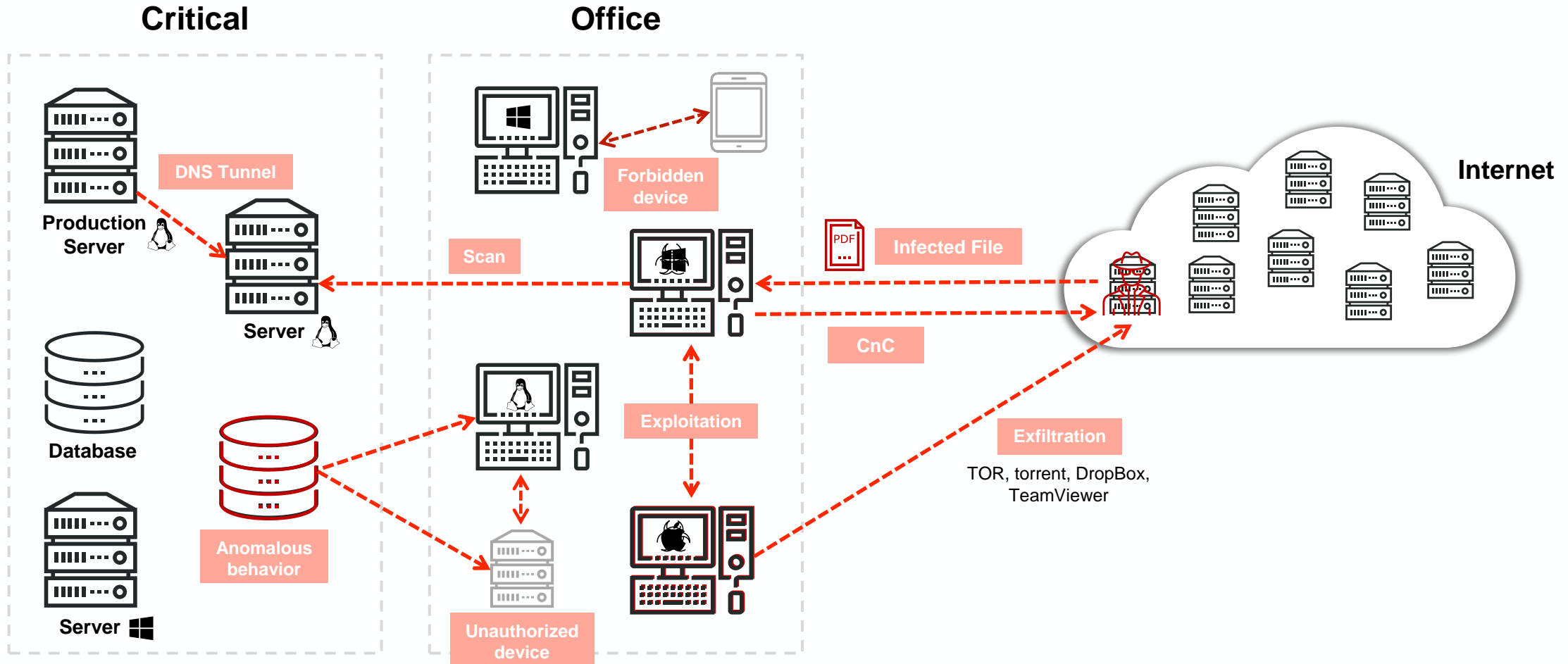
Printers



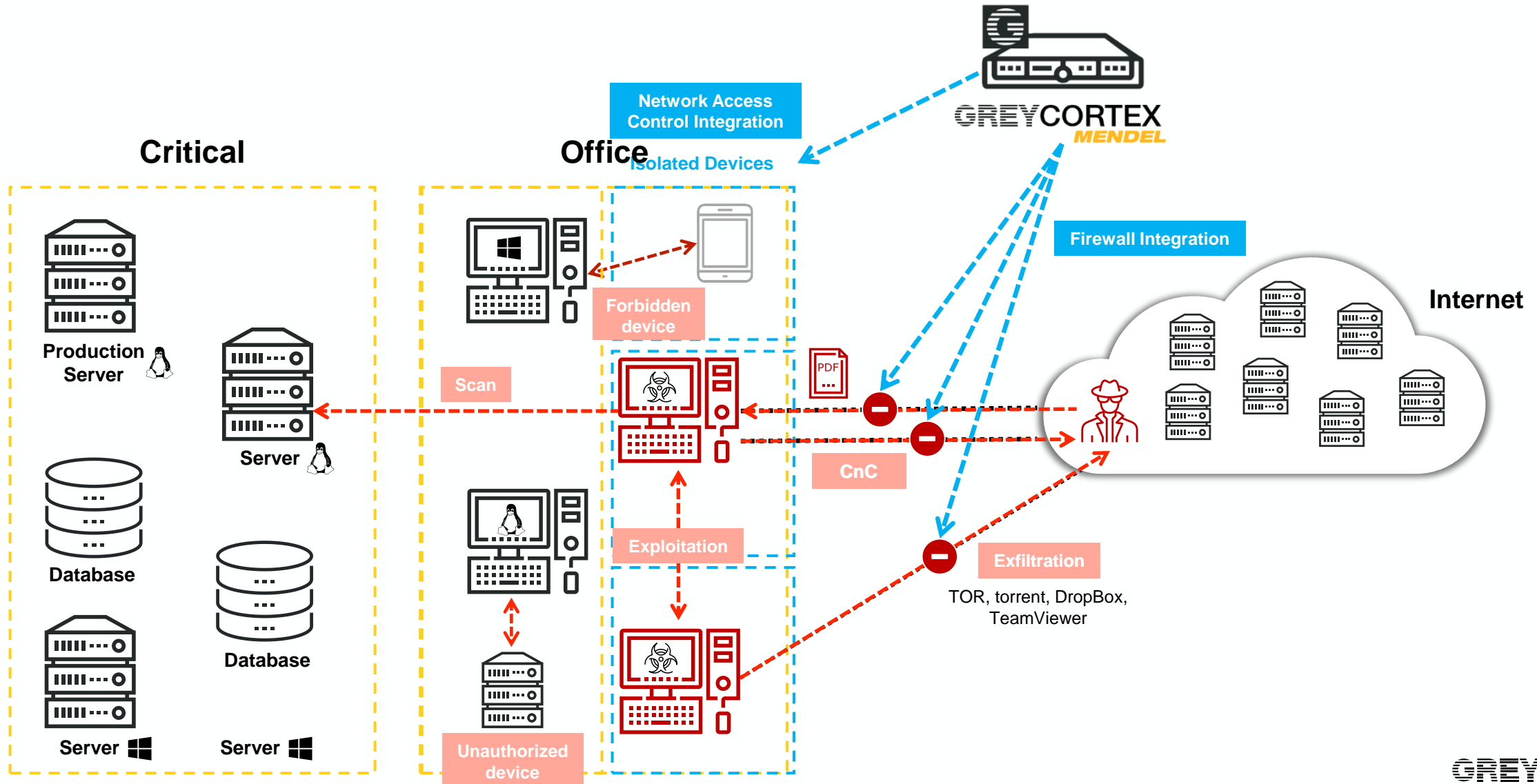
Visibility



Detection



Response



Adversaries Exploit Legitimate It Tools

Stages of MITRE Attack

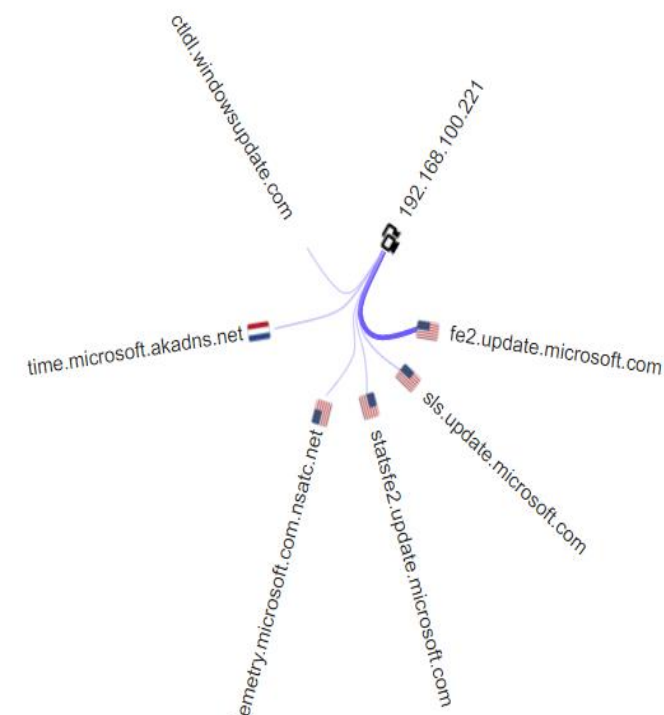


Artifacts

Remote Services	PowerShell	Cobalt Strike	Mimikatz	PowerShell	Mimikatz	Advanced IP Scanner	RDP	Network Browsing	Cobalt Strike	Rclone	Data Encrypted
Exploits	Psexec	AnyDesk	Procdump	Rundll32.exe	Procdump	Netscan	Cobalt Strike	Rclone	PowerShell	WinRAR	Network Breach

Discovery

- Inventory [Link](#)
- Sítě
- Zařízení
- Podklady pro analýzu rizik [Link](#)
- Služby [Link](#)



Discovery: New RDP Remote Access system 2

Signature: -50015 (Information, created: 2021-05-23 02:00:00)

Signature ID: -50015 Description: New RDP Remote Access system appeared in network.

Mitre: Discovery/System Service Discovery

Created: 2021-05-23 02:00:00 (Modified: 2021-12-03 15:08:59)

Top Dst Hosts	Top Dst Subnets	Top Services
10.22.10.163	DB servers (10.22.10.0/24)	3389
10.22.10.249		

< > 10

< > 10

Malware, Exploits and Hacker's activities

- Known Threats [Link](#)
- Projevy nebezpečného chování
 - C&C odchozí komunikace [Link](#)
 - Útoky hrubou silou [Link](#)
 - Skeny [Link](#)
 - Tunely
 - OT zařízení [Link](#)



Security Policies

- **Co neodpovídá best practices interní sítě?**
- Prostupy kritických segmentů a systémů
- Přístupy privilegovaných AD účtů [Link](#)
- Plain-textové autentizace a nešifrované protokoly [Link](#)
- Administrativní přístupy – vzdálená správa (TeamViewer, AnyDesk, ...) [Link](#)
[Link](#)
- VPN přístupy (SoftEther, přístupy z vnějšku)
- Aplikace – coin miners, TOR, P2P, ... [Link](#)

The logo for GREYCORTEX features the word "GREY" in a stylized, multi-lined font where each letter is composed of several horizontal bars. The word "CORTEX" is in a solid, bold, sans-serif font. The entire logo is centered horizontally on a yellow background.

GREYCORTEX

A black rectangular box containing the website address "www.greycortex.com" in white text. The box is positioned in the lower-middle part of the page.

www.greycortex.com