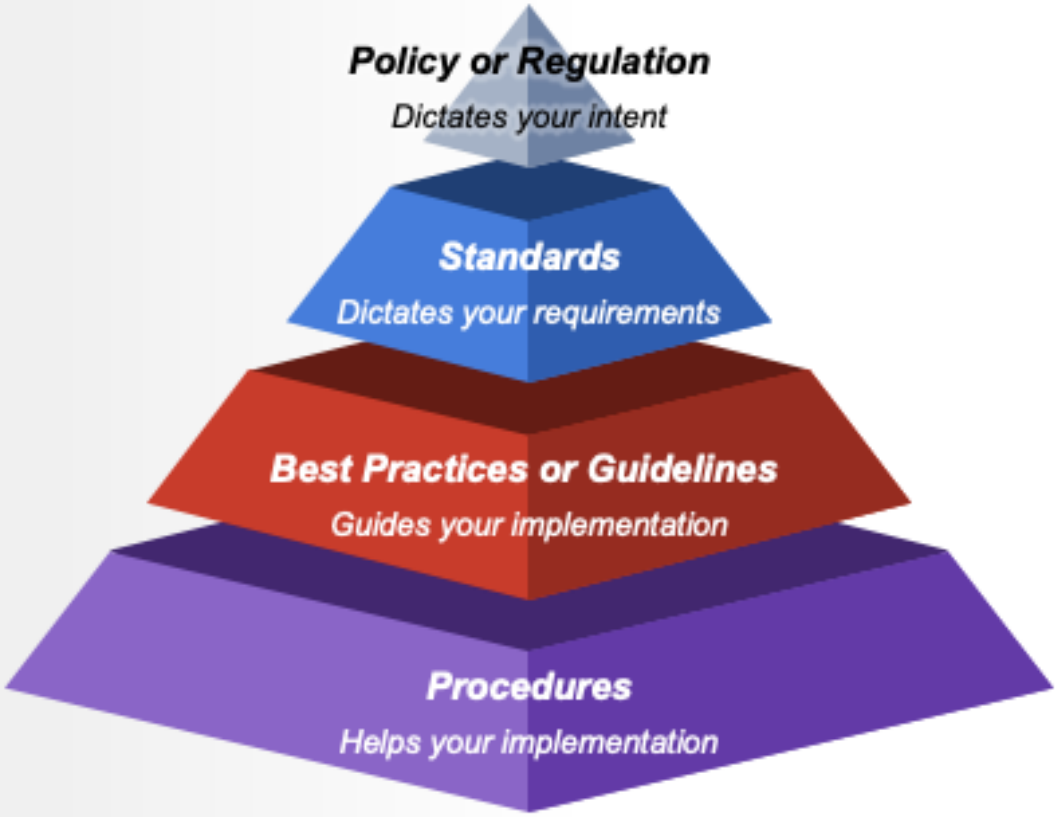
Notable Industry References For Standards & More



Standards, Regulations, Frameworks	Type	Governing Body	Origin	Scope	Applicability
NIS Directive	Regulation	ENISA	EU (+ UKI)	Mult-Industry IT/OT	EU
NERC CIP	Regulation	FERC	US	Electricity IT/OT	US
ISA/IEC 62443 (formerly ANSI ISA99)	Standard	ANSI, ISA,IEC	International	Multi-Industry OT	Multi
NIST CSF	Framework (Guideline)	NIST	US	Multi-Industry IT/OT	Multi
Critical Security Controls (CIS Top 20)	Guideline	CIS	US	Multi-Industry OT	Multi
IEC/ISO 27000 Series	Standard	ISO, IEC	International	Multi-Industry IT/OT	Multi
NIST SP 800-82	Guideline	NIST	US	Multi-Industry OT	Multi
NIST SP 800-53	Guideline	NIST	US	Multi-Industry IT/OT	Multi

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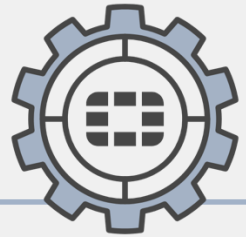
OT Security Platform



IT

OT

Cloud & External Zones

MAJOR ENFORCEMENT BOUNDARY

Business & Enterprise Zones

CONVERGED IT & OT

MAJOR ENFORCEMENT BOUNDARY

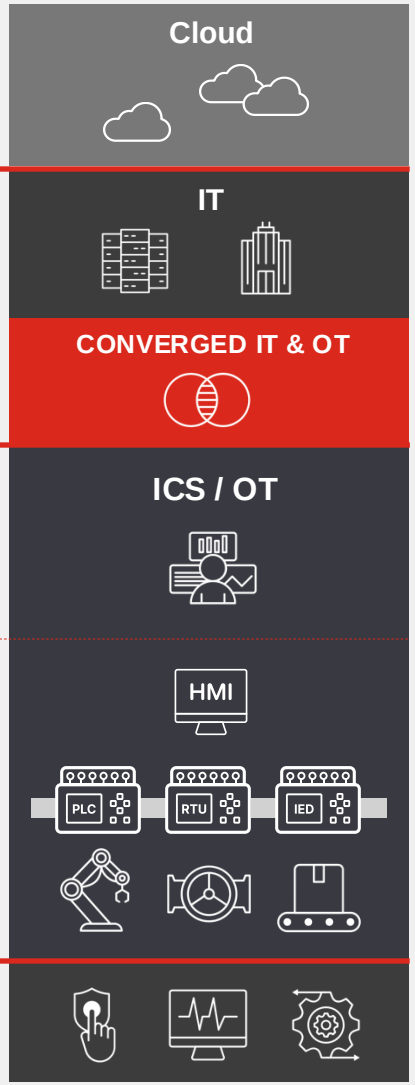
Operations & Control Zones

MINOR ENFORCEMENT BOUNDARY

Process Control Zones

MAJOR ENFORCEMENT BOUNDARY

Safety & Protection Zones



Secure Networking

Secure Digital Networks

- FortiGate VM
- SD-WAN / 5G
- FortiGate NGFW
- FortiSwitch
- Ruggedized Products

Zero Trust

Secure Remote Access

- FortiSASE
- FortiSRA
- FortiClient ZTNA
- FortiAuthenticator
- FortiToken
- FortiNAC for OT

Security Operations

Secure IT/OT Convergence

- FortiAnalyzer for OT
- FortiManager
- FortiSIEM for OT
- FortiSOAR for OT
- FortiEDR
- FortiNDR for OT
- FortiDeceptor for OT

Security Services

- OT Specialized FortiGuard Services
- 3,000+ OT Application Signatures
- 600+ OT Threat Signatures

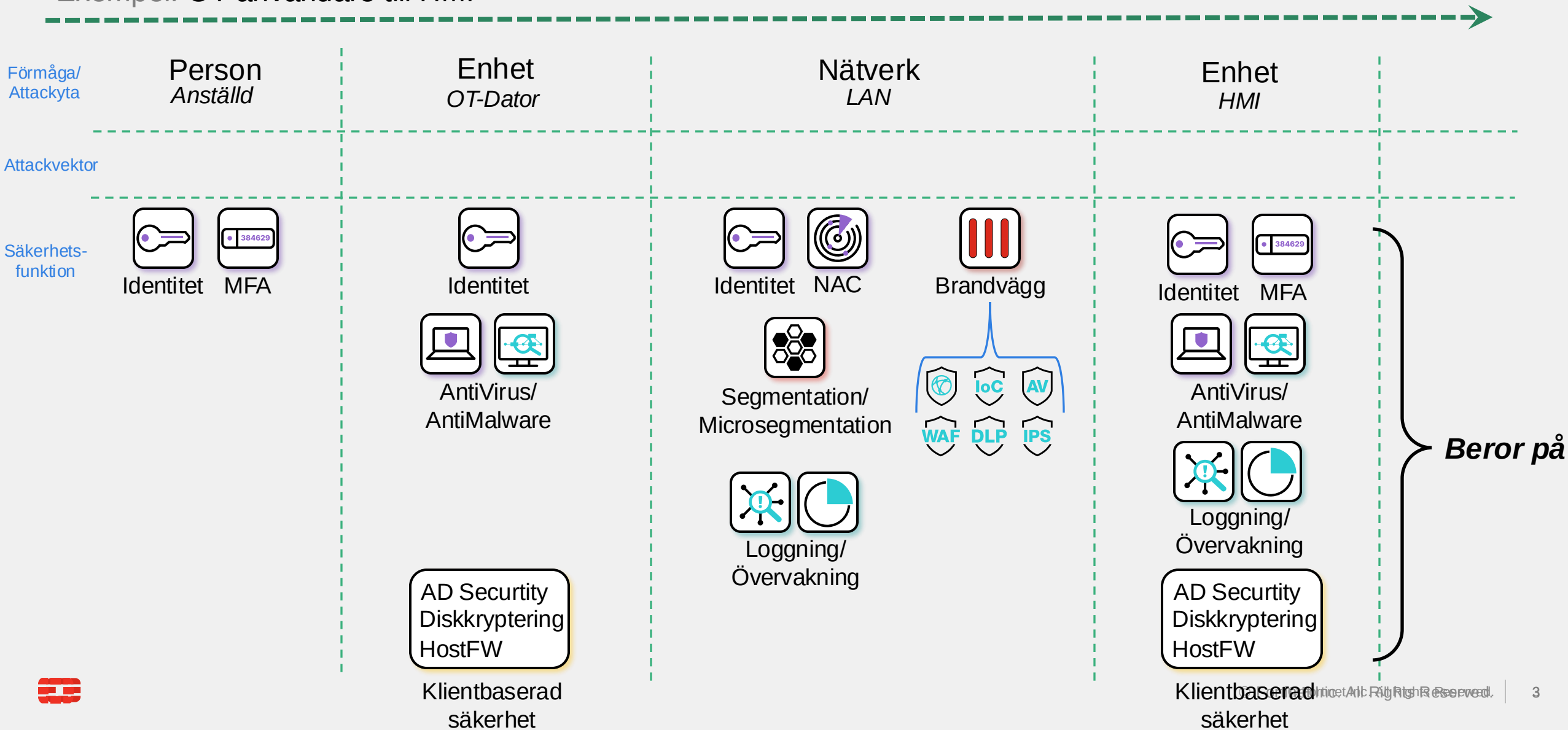
Ecosystem Partners

- Fabric Ready Ecosystem

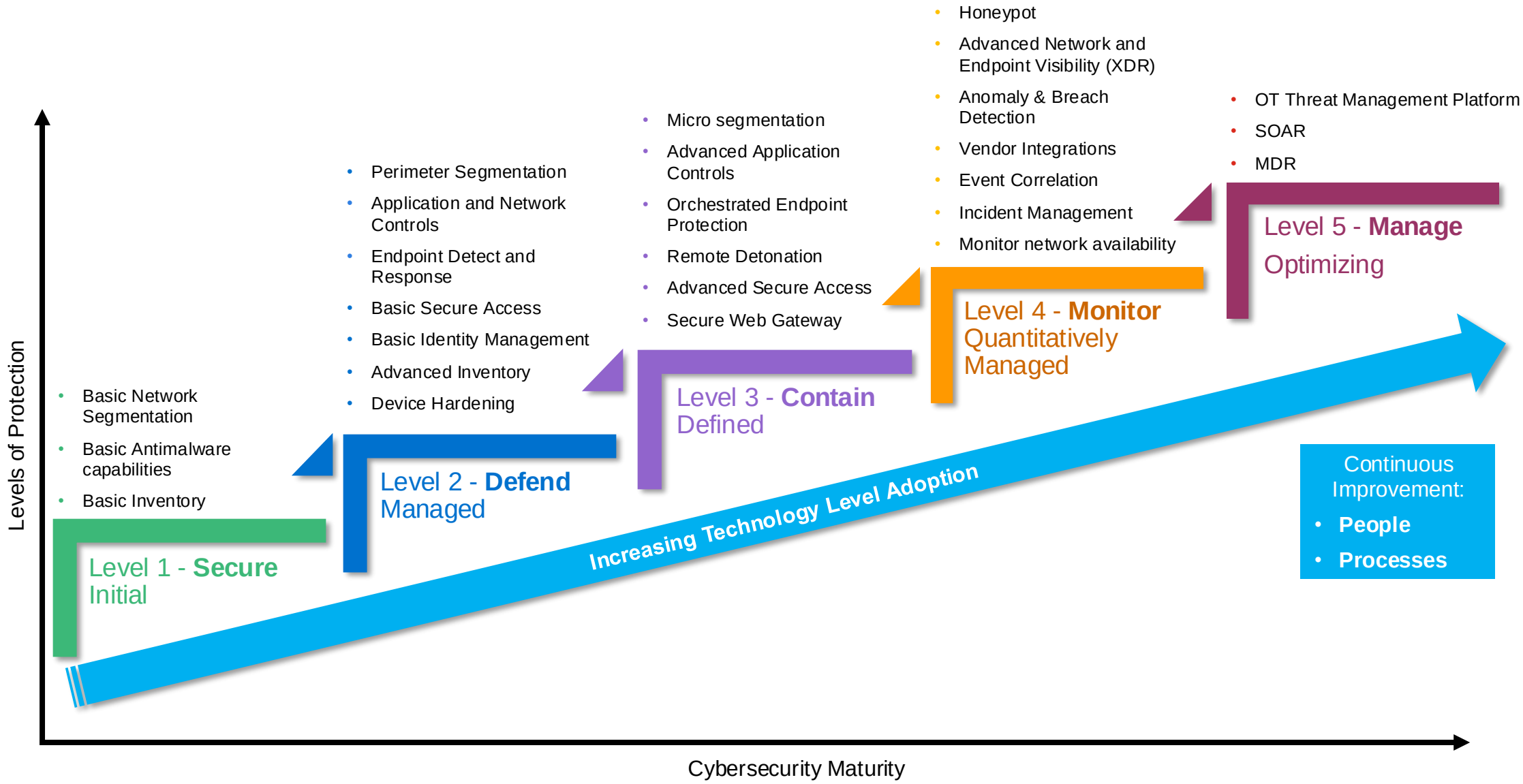
Säkerhet på Djupet

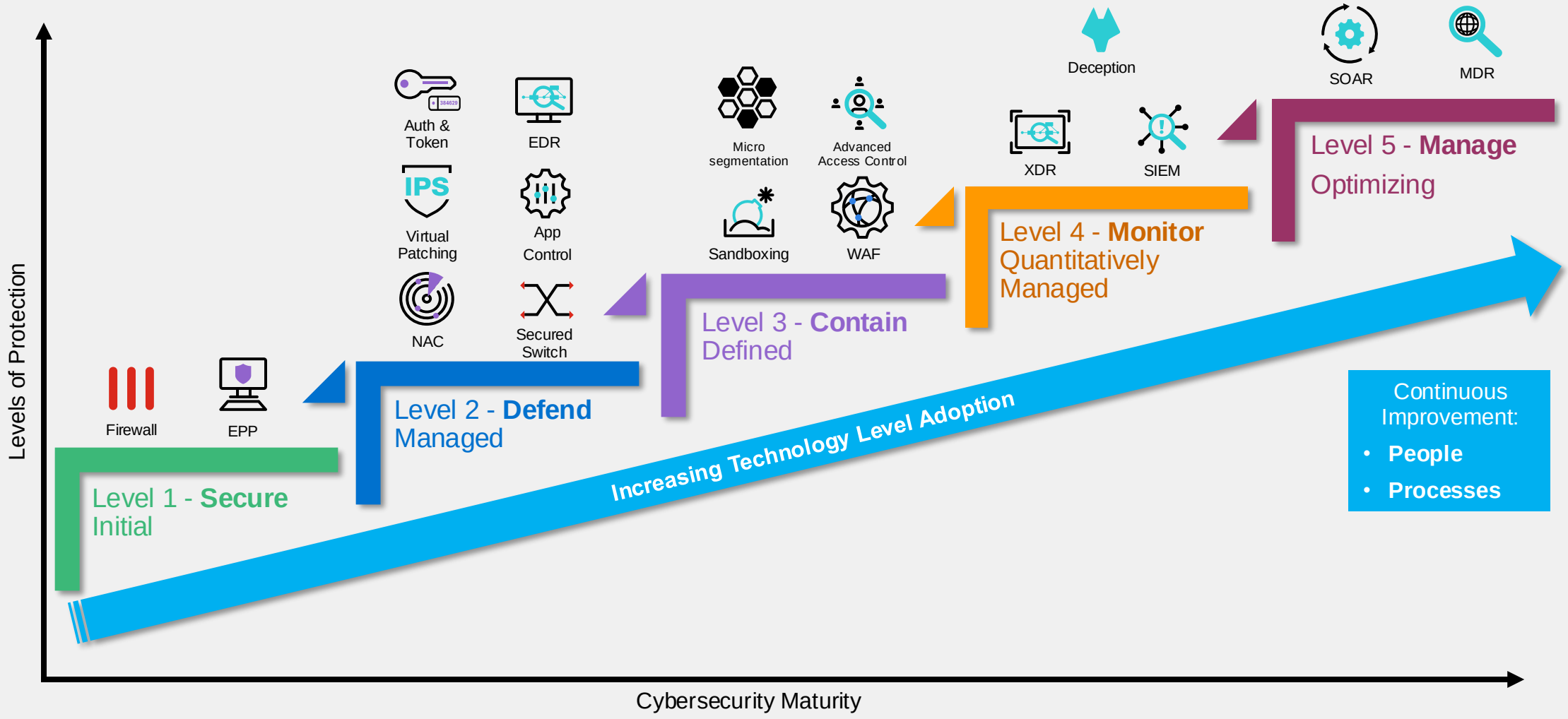
Klient
OT Användare

Exempel: OT-användare till HMI



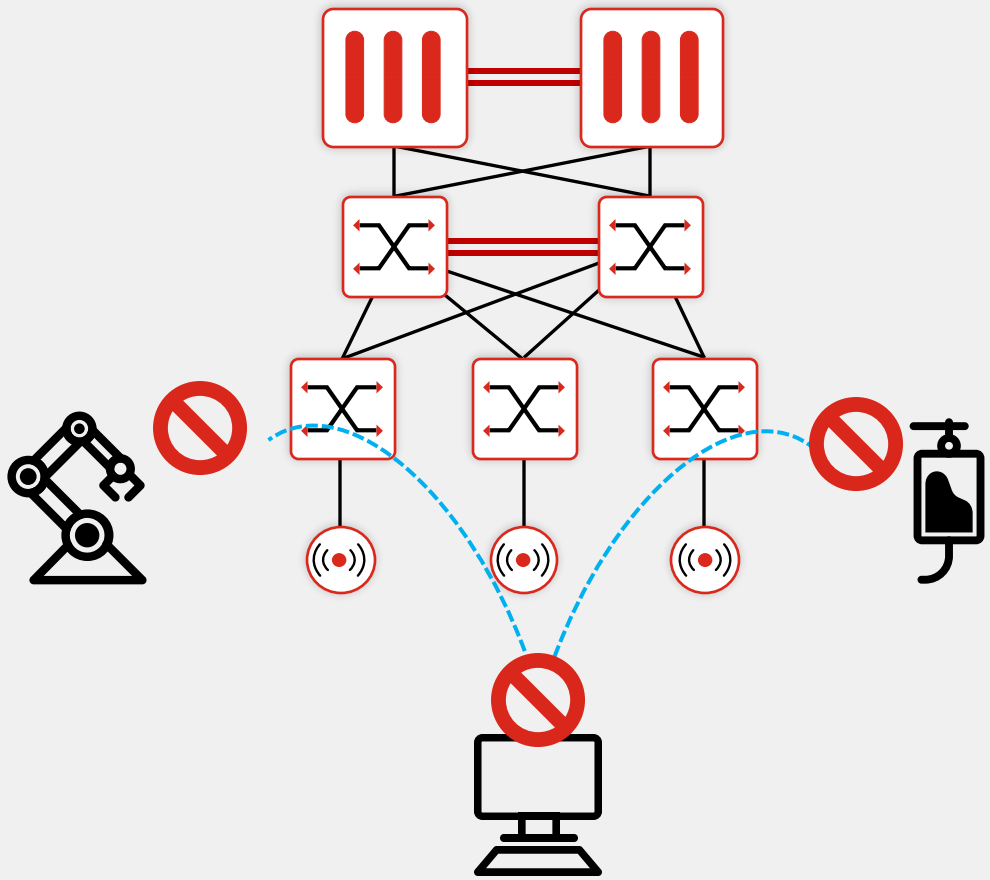
Förmågor för IT och OT säkerhet

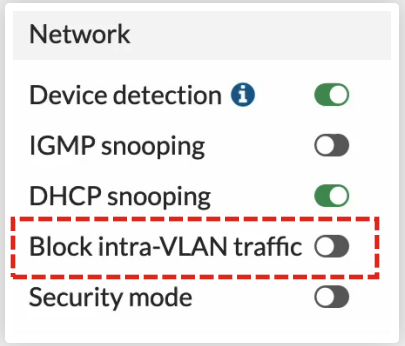




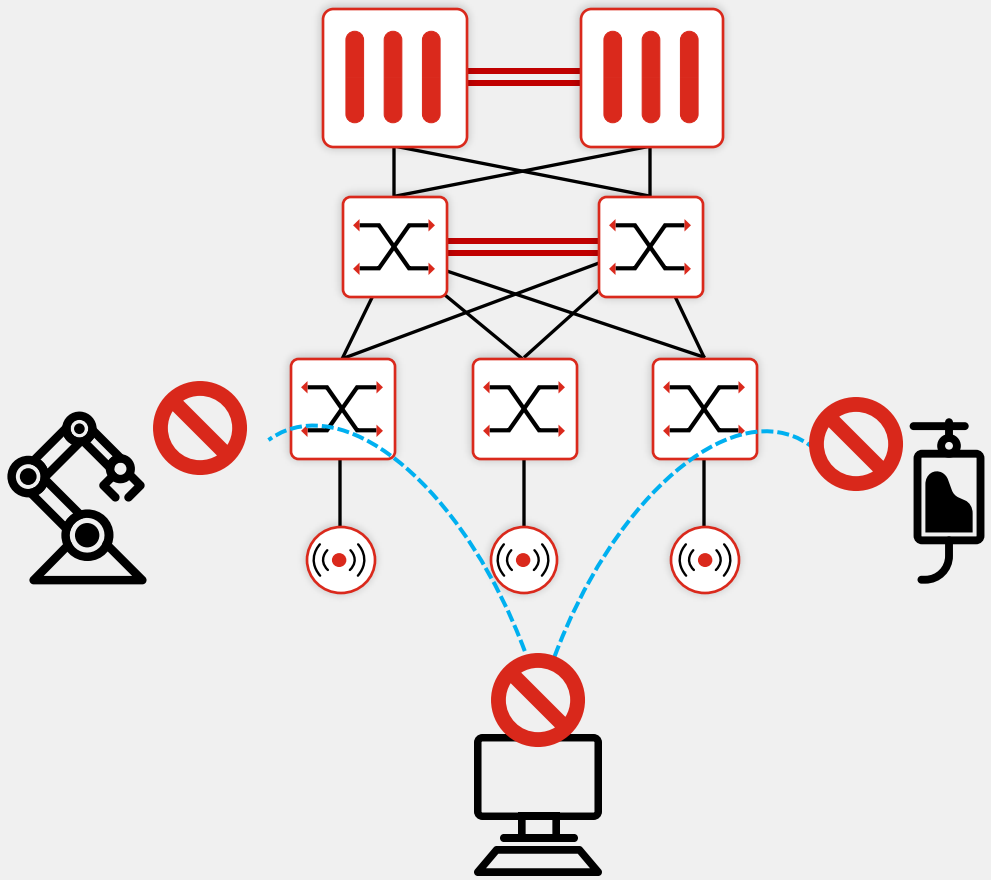
Assess Program Maturity against Proven Deployable Technologies

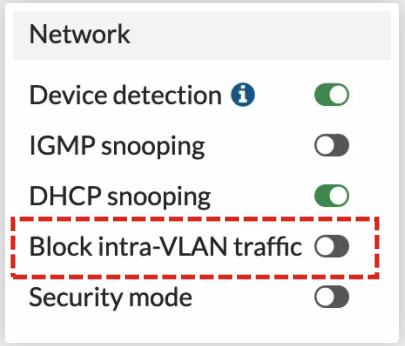
MICROSEGMENTERING





MICROSEGMENTATION & INSPEKTION





IPS PROTECT-CRITICAL

APP OFFICE365

SSL DEEP-INSPECTION

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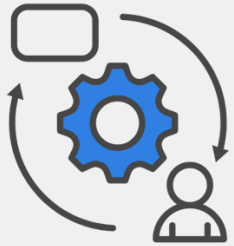
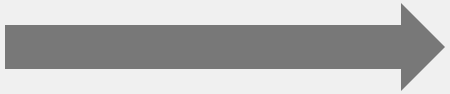
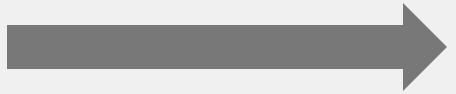
Fortinet Identity & Access Solutions



ZTNA

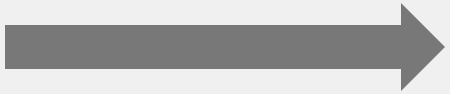


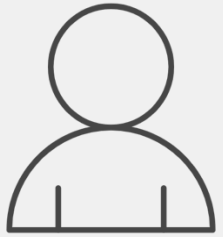
General Access



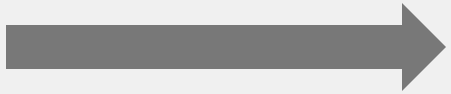
IT Applications

FortiPAM

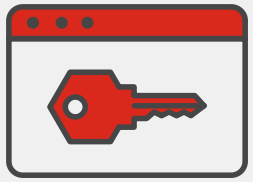




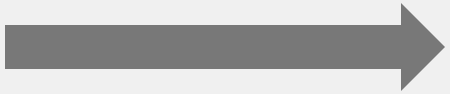
Privileged Access



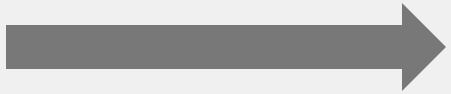
IT Systems



FortiSRA



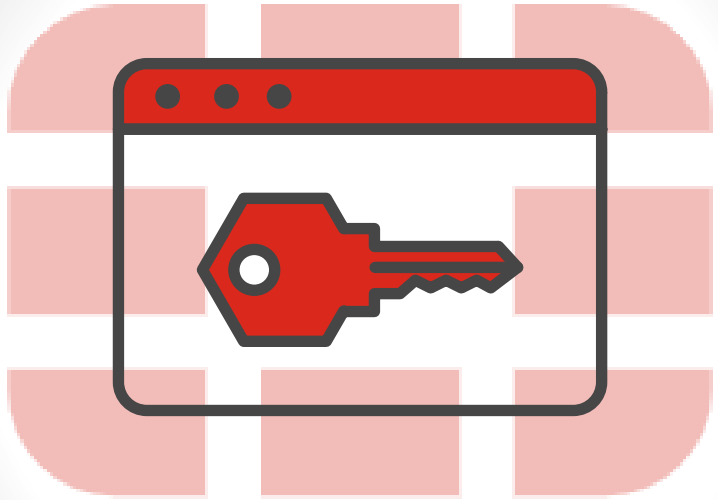
Remote Access



OT Systems

FortiSRA

Agentless Secure Remote Access from Fortinet



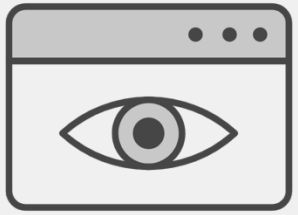
for OT

Manage Remote Access

Ensure only authorized users have access in a policy of least privilege

Manage Privileged Credentials

Store credentials securely and automatically create and rotate passwords



Monitor and Record Sessions

Post session audit and ability to terminate sessions in real-time

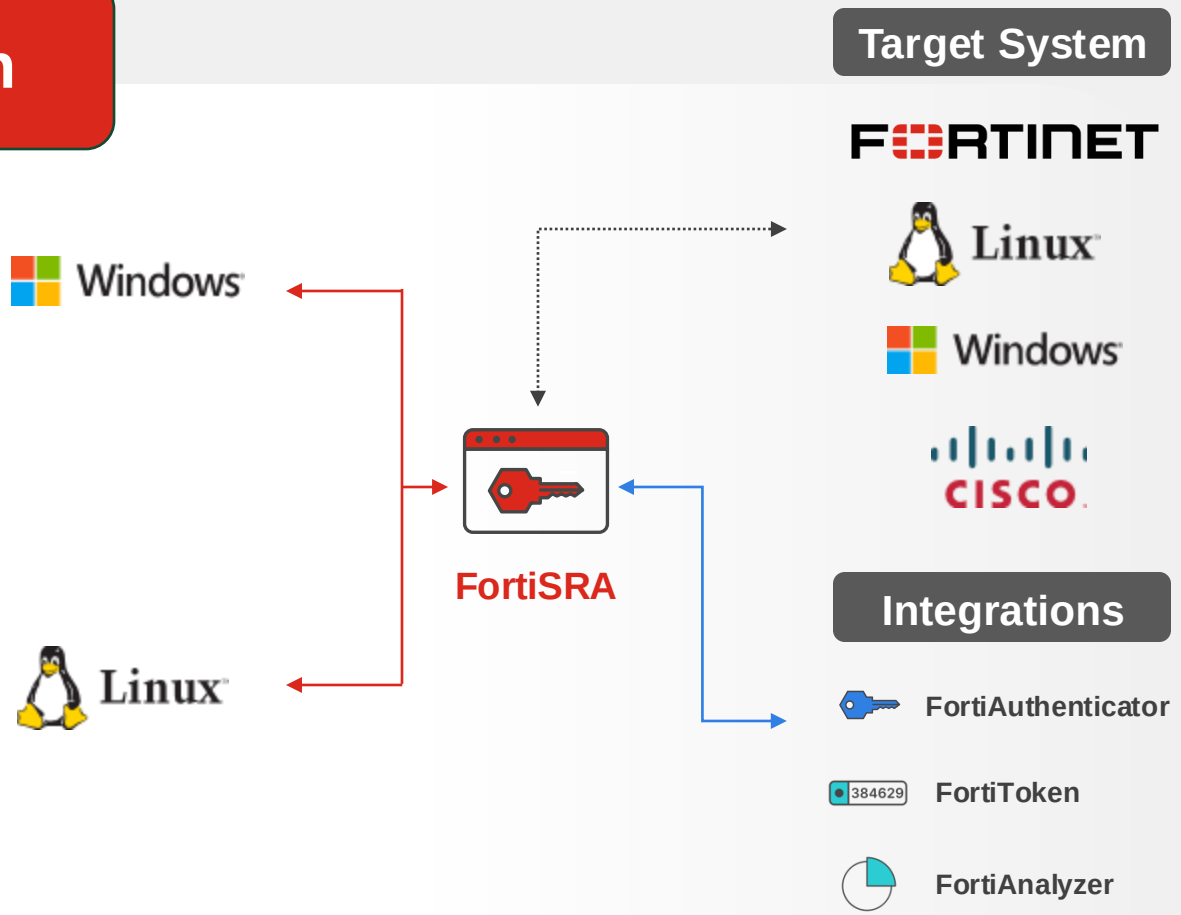
FortiSRA Solution Components

Web Browser Extension

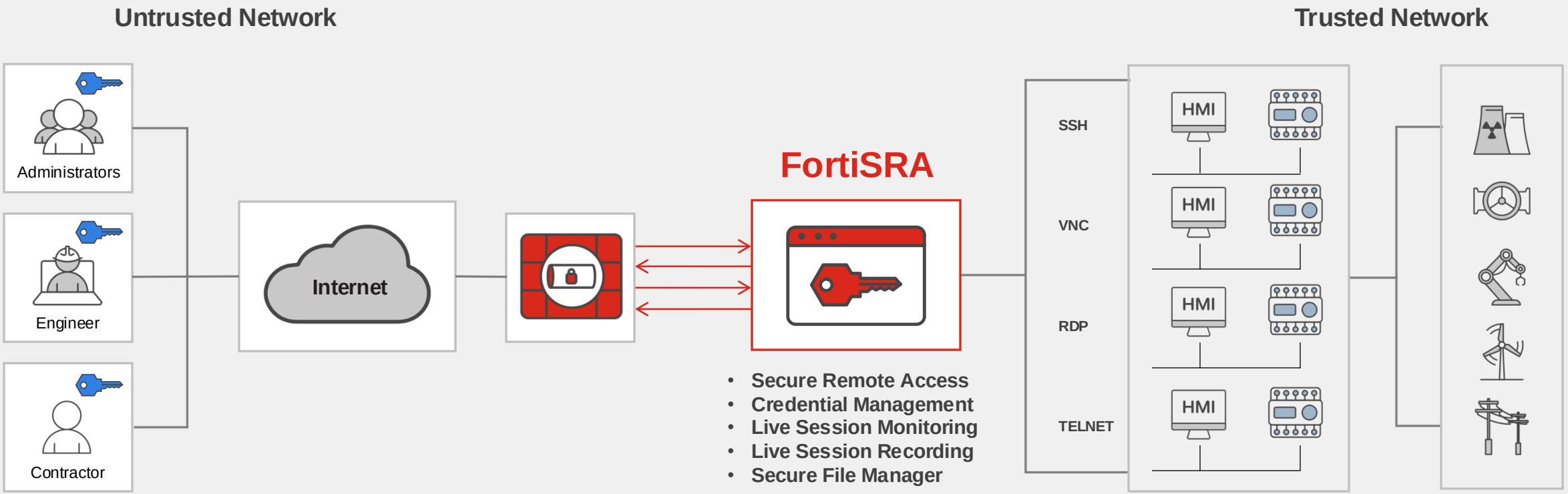
Remote Clients
Windows and Linux

Web Browsers
Chrome, Firefox & Edge

Target Systems
ICS machines & HMIs, Cisco devices, FortiGate NGFWs, Windows and Linux servers, etc.

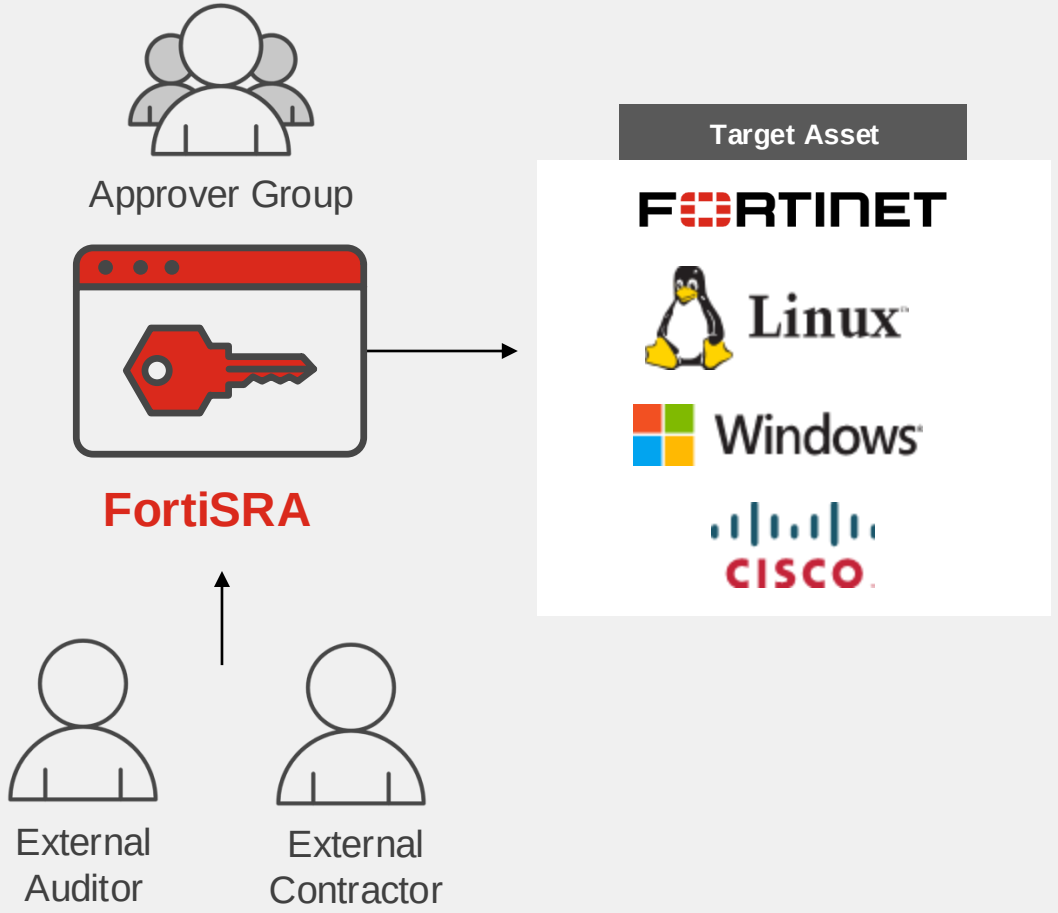


Secure Remote Access – An Agentless Solution



FortiSRA Key Functions

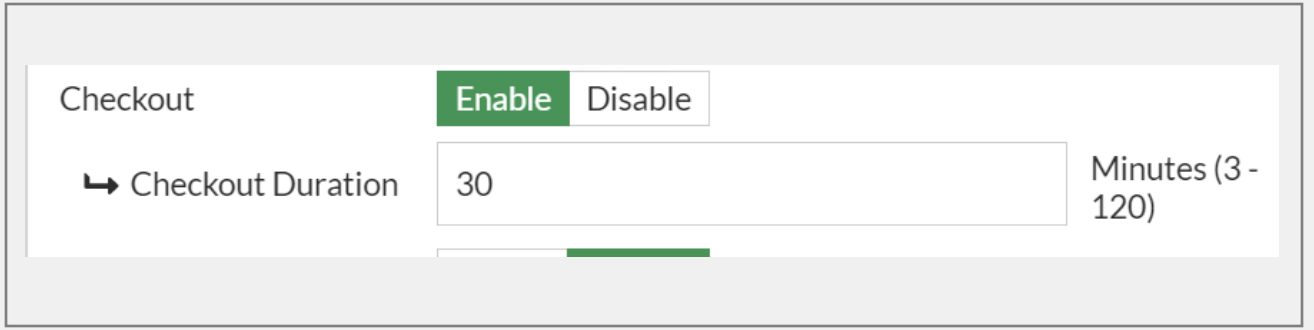
- **Hierarchical approval**
- **Session Surveillance and Audit**
- **Scheduled credential changing**
- **Target Systems check-out/check-in**

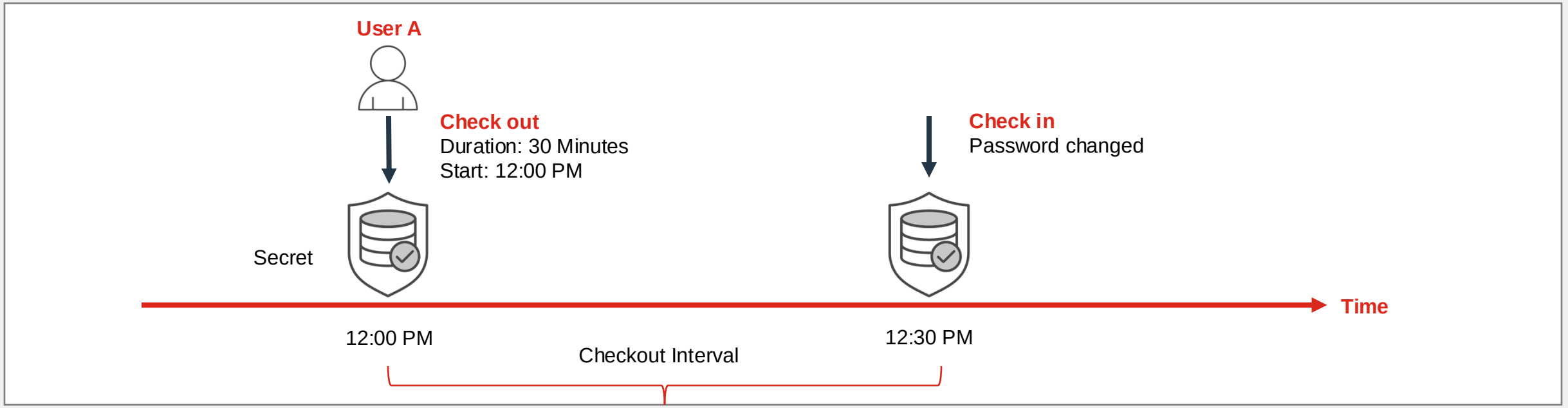


Credential Check in and Check out

Allows FortiSRA users to have exclusive access to a credential for a limited time

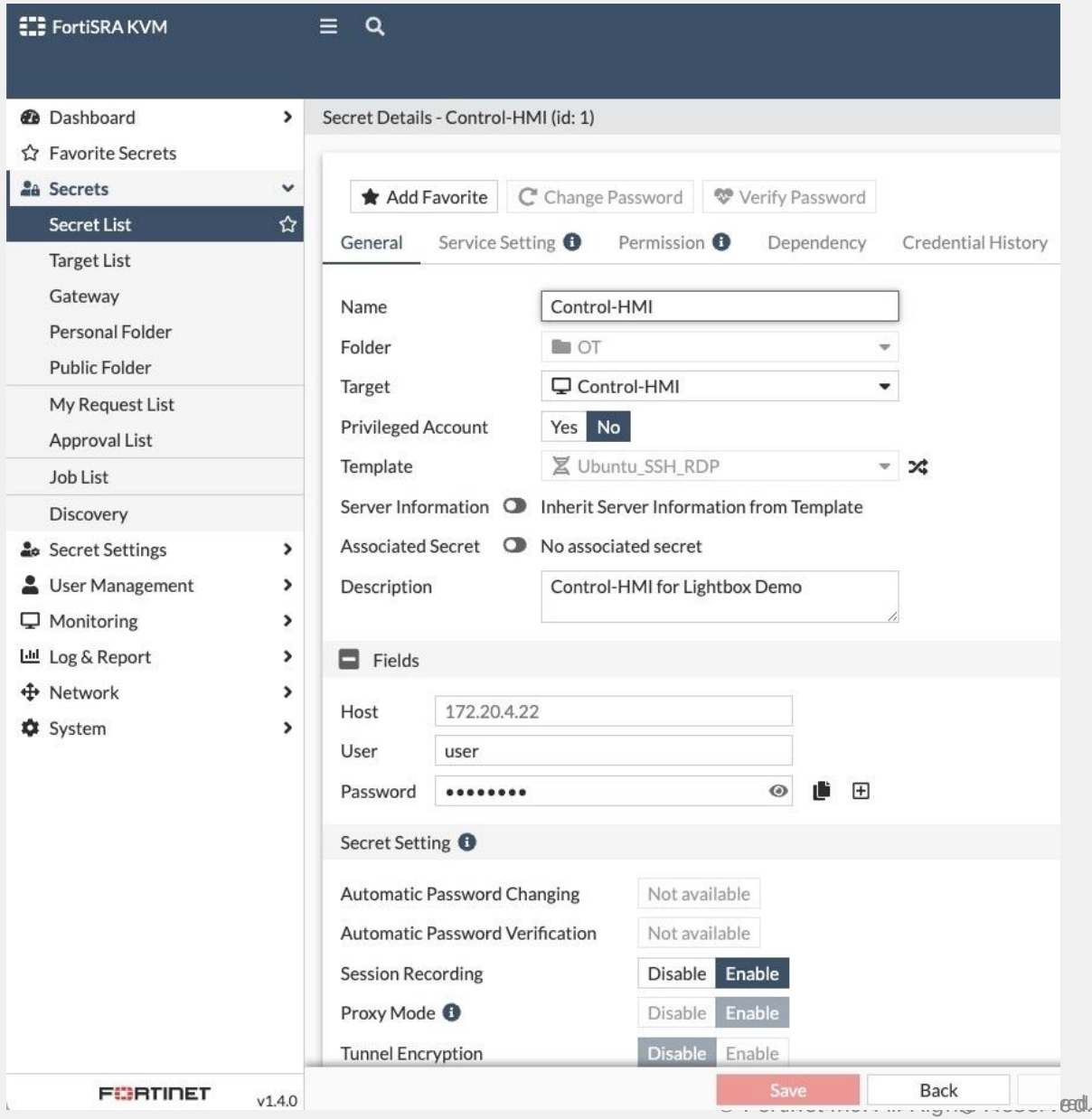
- Secret owner or admin enables check out feature
- Only User A can launch the credential during checkout interval unless user A checks in manually



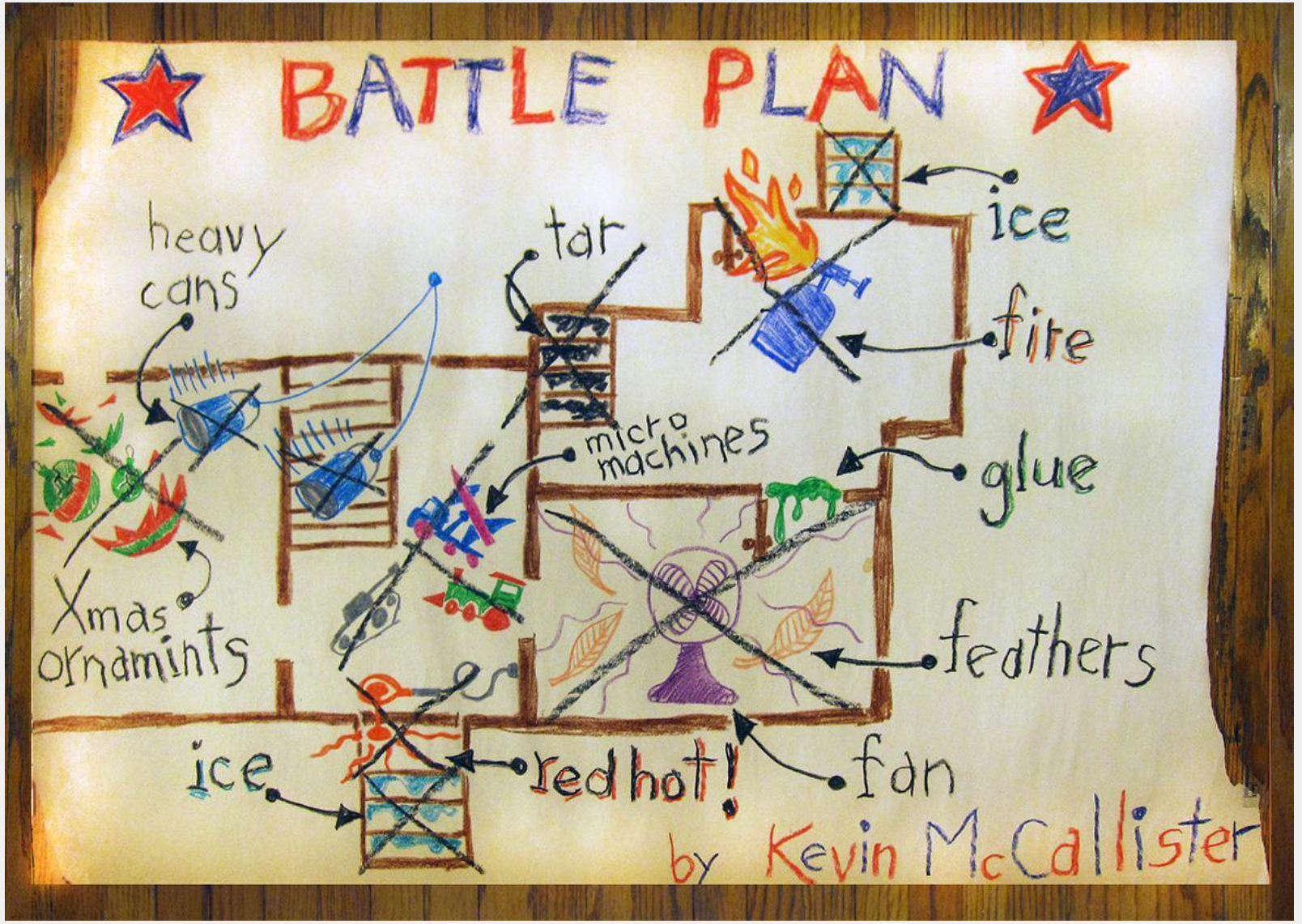


Secrets: Approvals

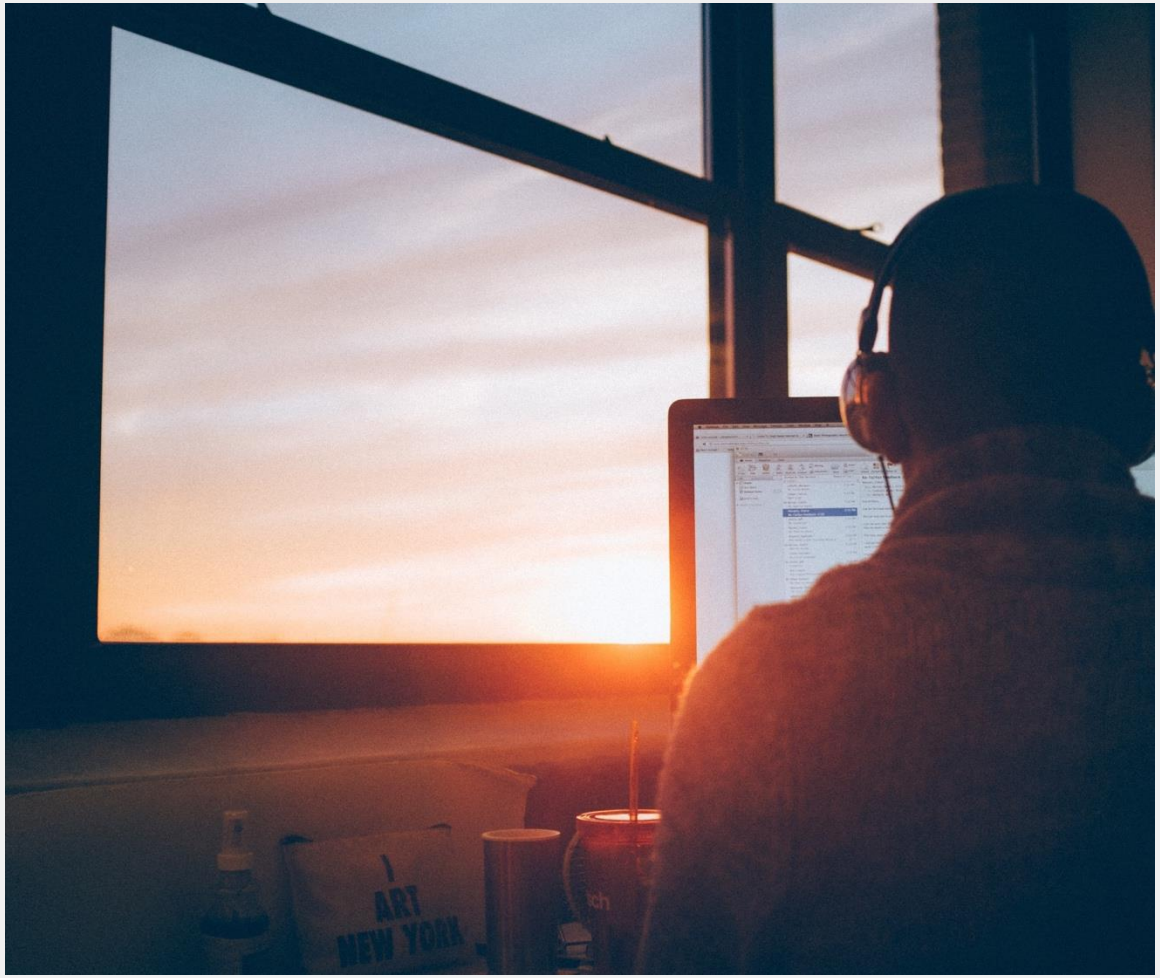
- If a secret is configured with an approval policy, approval must be granted before a user may access that secret
- Hierarchical - up to 3 tiers of approval
- Minimum number of approvals may be required for each layer of approval
- Both users and groups may be selected as approvers



FortiDeceptor



VAD ÄR FORTIDECEPTOR



DECOYS

- Falska resurser
- Falska applikationer
- Falska tjänster

LURES

- Falska tjänster på en Decoy

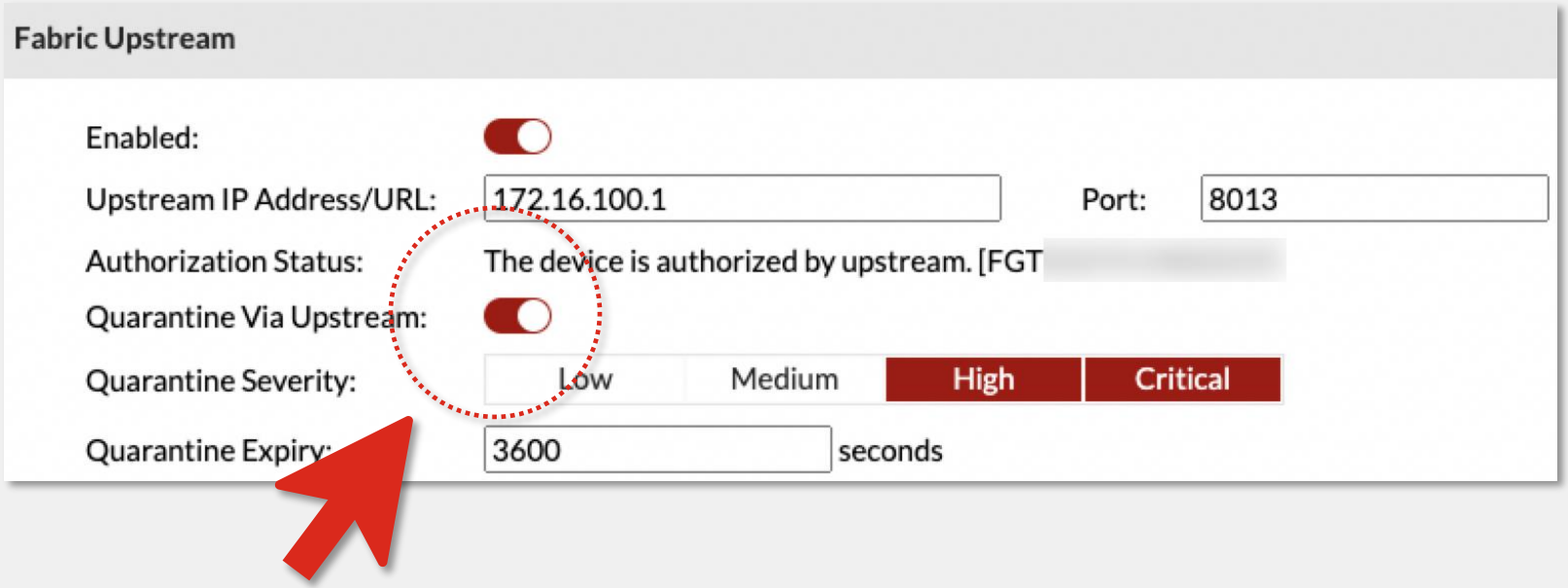
NÄTVERKSTRAFIK

- Falsk trafiksignalering

BRÖDSMULOR

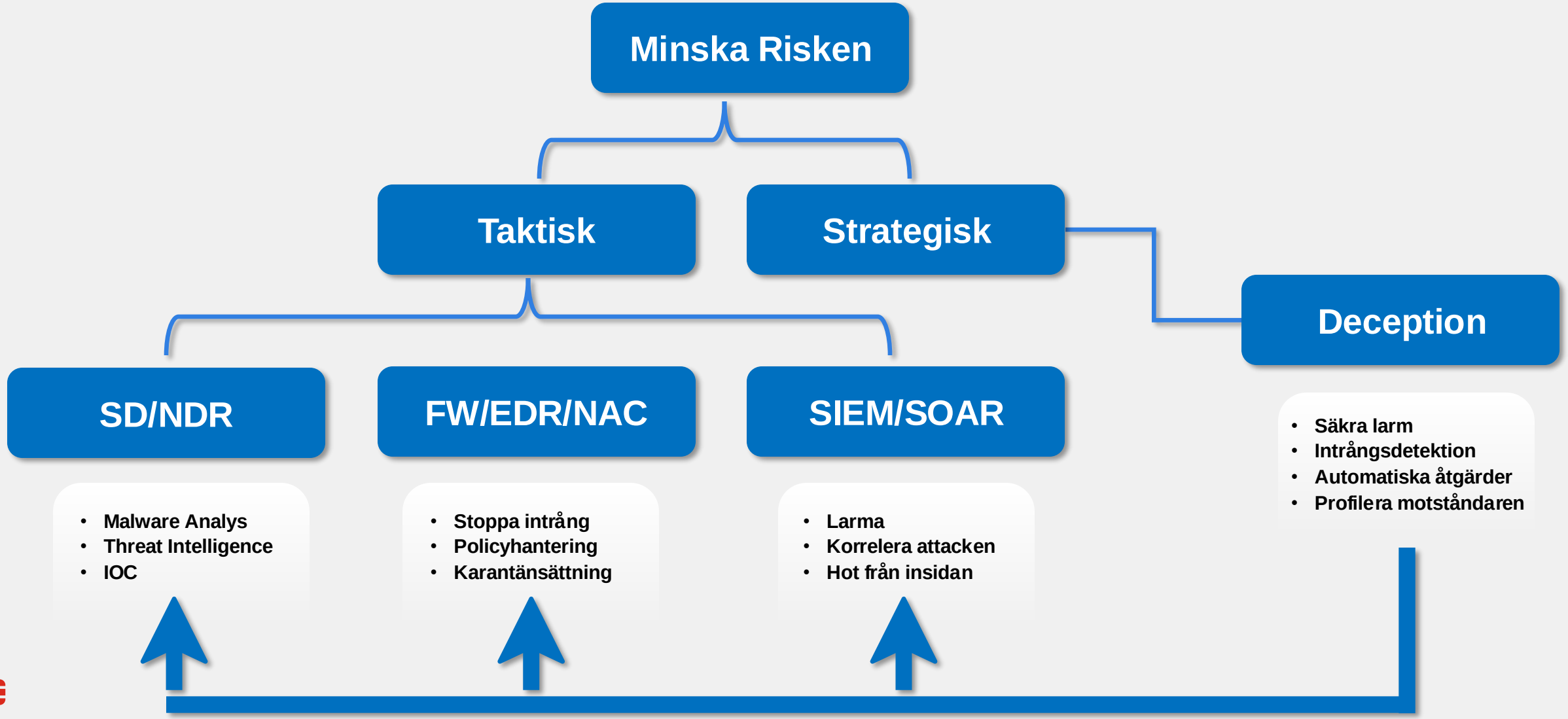
- Falska resurser placerade på riktiga system

INTEGRATIONER



- A/D Connector Isolation
- AWS Key
- CheckPoint-FW-Isolation
- Cisco-ISE
- CrowdStrike-Isolation
- FGT-REST-API
- FGT-WEBHOOK
- FNAC-WEBHOOK
- FSM-Watch-List
- FortiEDR-Isolation
- GEN-WEBHOOK
- Microsoft-ATP
- PAN-XMLAPI
- Windows Network Isolation

SÄKERHET PÅ DJUPET



Bra länkar

MSB om NIS2
https://www.msb.se/sv/amnesomraden/informationssakerhet-cybersakerhet-och-sakra-kommunikationer/krav-och-regler-inom-informationssakerhet-och-cybersakerhet/nis-direktivet/det-har-ar-nis2-direktivet/

NIS2 artikel 6 och 21
https://eur-lex.europa.eu/legal-content/SV/TXT/HTML/?uri=CELEX:32022L2555#art_6
https://eur-lex.europa.eu/legal-content/SV/TXT/HTML/?uri=CELEX:32022L2555#art_21

NCSC Cybersäkerhet i Sverige
https://www.ncsc.se/siteassets/publikationer/cybersakerhet-i-sverige-2024.pdf

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