



Cyber Exposure Management **Know Your Risk Before It's Too Late**

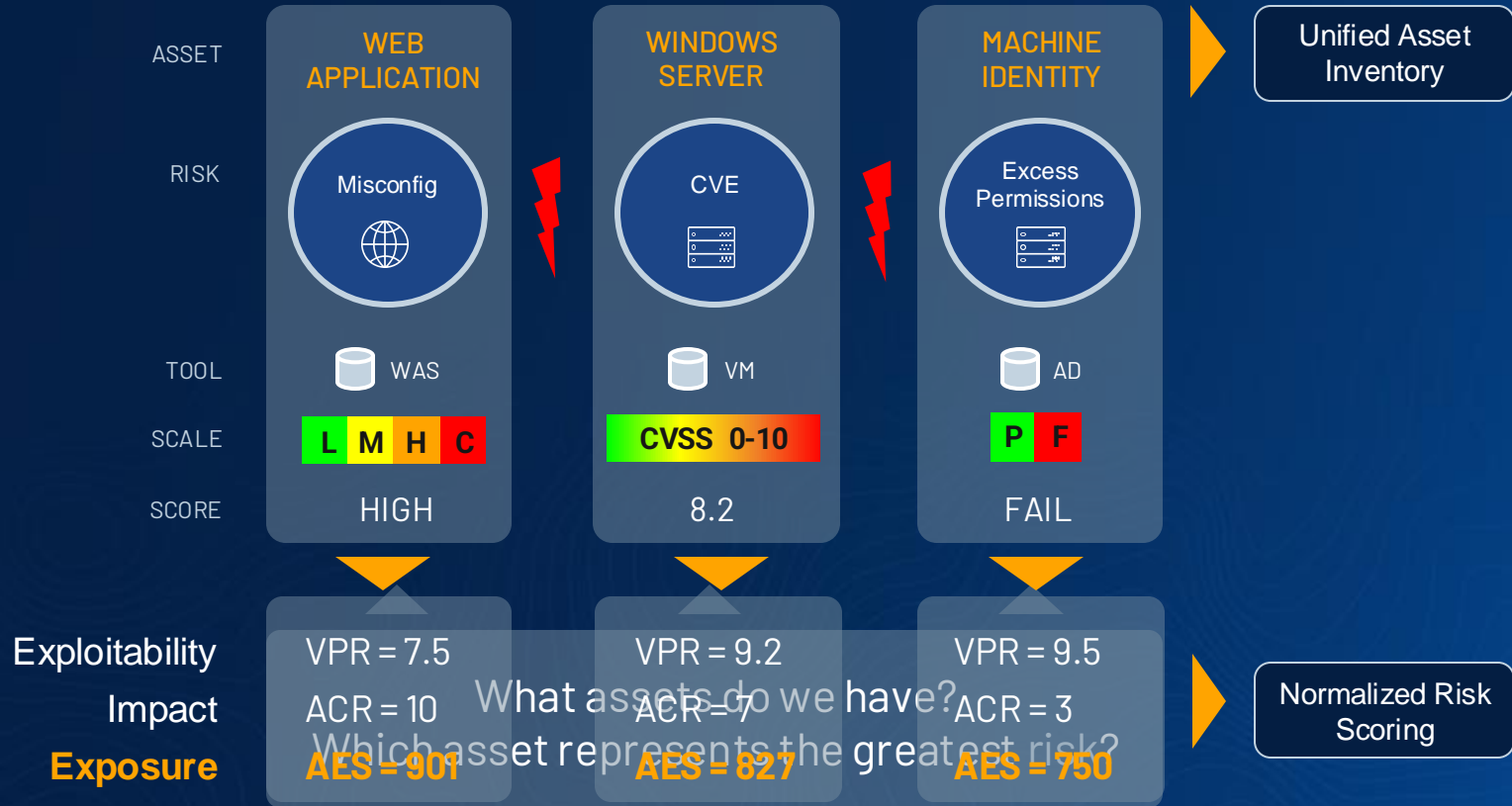
Thomas Cueni, Security Engineer

EXPOSURE MANAGEMENT

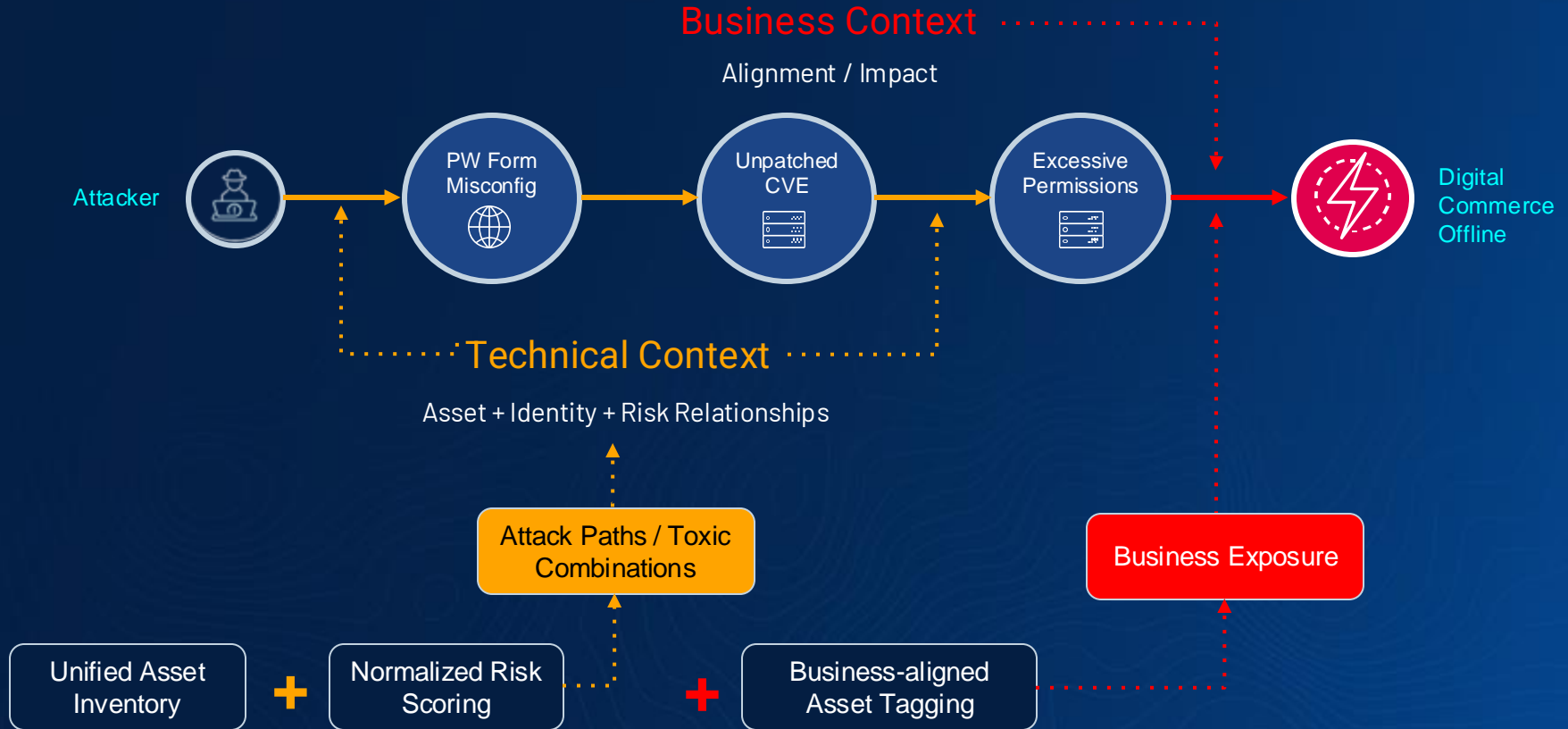
- 1 **UNDERSTAND** ATTACK SURFACE
- 2 **FIND** RISK
- 3 **PRIORITIZE** RISK
- 4 **REDUCE** RISK



Problem: Siloed inventory & risk scoring



Problem: Insufficient context to understand impact





EXPOSURE MANAGEMENT PLATFORM



**CISO
VIEW**

Aggregated Cyber Risk Insights



**ATTACK
PATH ANALYSIS**

Breach & Attack Mitigation



**ASSET
INVENTORY**

Centralized View of Assets

EXPOSURE ANALYTICS

Data Aggregation, Risk Prioritization & Recommendations, Benchmarking

**VULNERABILITY
MANAGEMENT**

**WEB APP
SECURITY**

**CLOUD
SECURITY**

**IDENTITY
SECURITY**

**OT
SECURITY**



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Q&A

MERCI DE VOTRE ATTENTION !

Sondage de satisfaction
Merci de votre feedback



Scannez-moi

Understand the attack surface

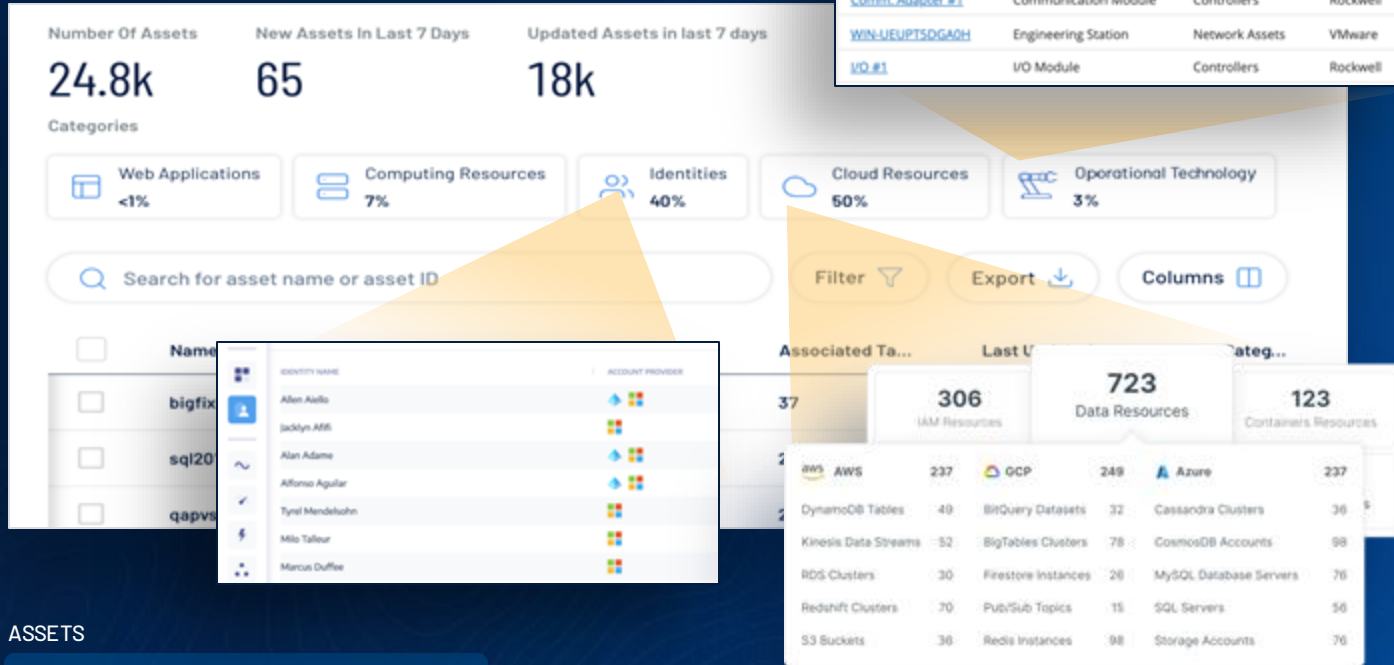
- Discover all identities:

- Continuous discovery of Human & Machine IDs
- Multi-Cloud & Active Directory

- Discover all assets:

- Cloud, Hybrid Apps, Unseen assets, OT, IoT, IT
- Details: Config, change history, connections...

Unified Asset Inventory



IDENTITIES



Human



Machine

ASSETS



Cloud



Hybrid Apps



Unseen



OT | IoT



IT

Find Preventable Risk

Normalize via Asset Exposure Scoring



The screenshot displays the Tenable AssetView interface. At the top, there are navigation tabs for 'Assets', 'Vulnerability Management' (33%), 'Identity Exposure' (59%), 'Web Application Security' (<1%), 'Cloud Security' (<1%), and 'OT Security' (<1%). On the right, it shows 'Number Of Assets' as 30.7k and 'New Assets' as 57. Below this is a table of assets with columns for Name, AES (Asset Exposure Score), Class, Weaknesses, Number of tags, Last Updated, and Sources. A yellow starburst icon is placed over the AES column header. The table lists various assets such as 'win-vult-dc', 'webapp-ij.duckdns.org', 'administrator', 'plc #34', 'Dockerfile', 'docker.io/mieisl/bad-dock...', 'win-exchange', 'ex-empire-06', 'ex-empire-04', and 'SOCH Admin', each with a corresponding risk score and class.

Name	AES	Class	Weaknesses	Number of tags	Last Updated	Sources
win-vult-dc	996	Device	3,723	12	February 15, 2024	
webapp-ij.duckdns.org	970	Web Application	875	1	February 15, 2024	
administrator	959	Person	7	2	February 15, 2024	
plc #34	952	Device	428	13	February 15, 2024	
Dockerfile	942	Device	3,578	10	February 15, 2024	
docker.io/mieisl/bad-dock...	932	Infrastructure as Code	1,285	11	February 15, 2024	
win-exchange	931	Container	474	11	February 15, 2024	
ex-empire-06	924	Device	1,074	11	February 15, 2024	
ex-empire-04	924	Device	1,099	12	February 15, 2024	
SOCH Admin	922	Person	5	1	February 8, 2024	

- **Identify Identity risk:**
 - Excess & unused permissions, unused accounts...
 - Indicators of exposure/attack
- **Identify Asset Risk:**
 - Agentless or agent-based
 - Passive and Active Query (OT)
 - CVEs, misconfigs, anomalies, threats, network activity & comms
- **Normalize Risk Scoring**
 - Vulnerability Priority Rating
 - Asset Criticality Rating
 - Asset Exposure Score

RISK



Vulnerabilities



Privileges



Misconfigurations



Anomalies



OT Activity



IoA

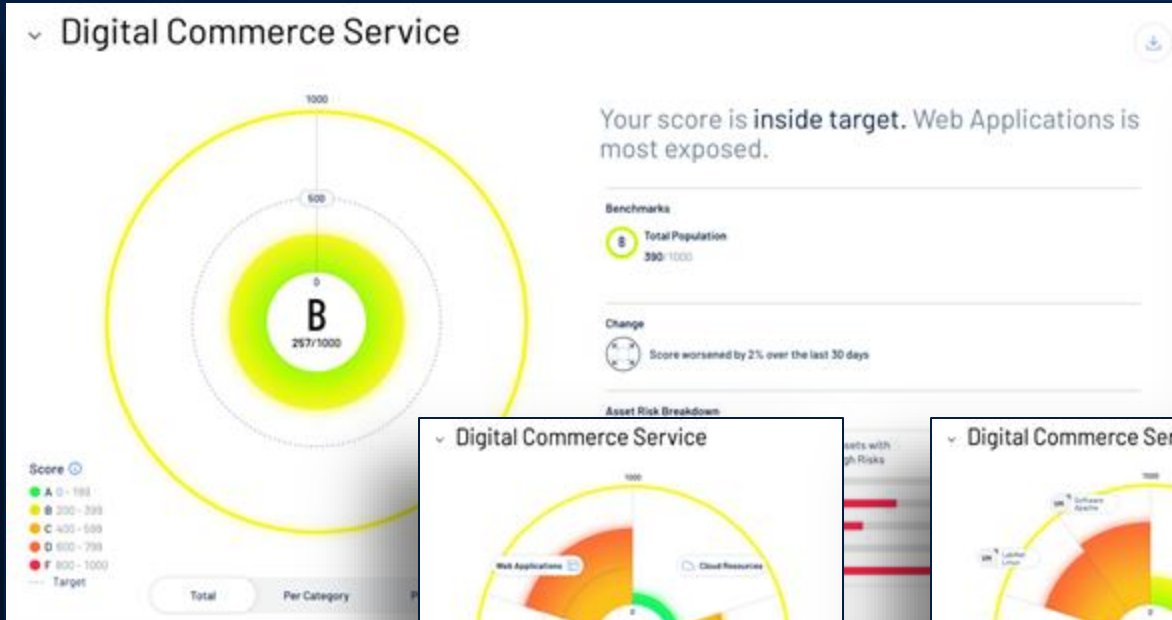


IoE

Prioritize in Business Context

Focus on Critical Apps, Locations, Processes

Business-aligned assets & identities



Number of Assets: 24.8k, New Assets in Last 7 Days: 65, Updated Assets in Last 7 Days: 18k

Categories: Web Applications 45%, Computing Resources 7%, Identities 46%, Cloud Resources 80%, Operational Technology 2%

Search for asset name or asset ID

Name	RCS	Type	Associated To...	Last Updated	Category
highly-priv-app	875	HOBT	37	January 28, 2024	
app079	868	HOBT	28	January 28, 2024	
app0000...	868	HOBT	23	January 28, 2024	
java010g	868	HOBT	27	January 28, 2024	
exam	867	HOBT	30	January 28, 2024	
app-807	867	HOBT	32	January 28, 2024	

Risk Posture by Domain



Risk Posture by Tag

Visualize True Exposure

Asset vulnerability exploit

See business impacting attack paths

Name	AES
nessus	973
svr-sharepoint	889



Machine Identity compromise

