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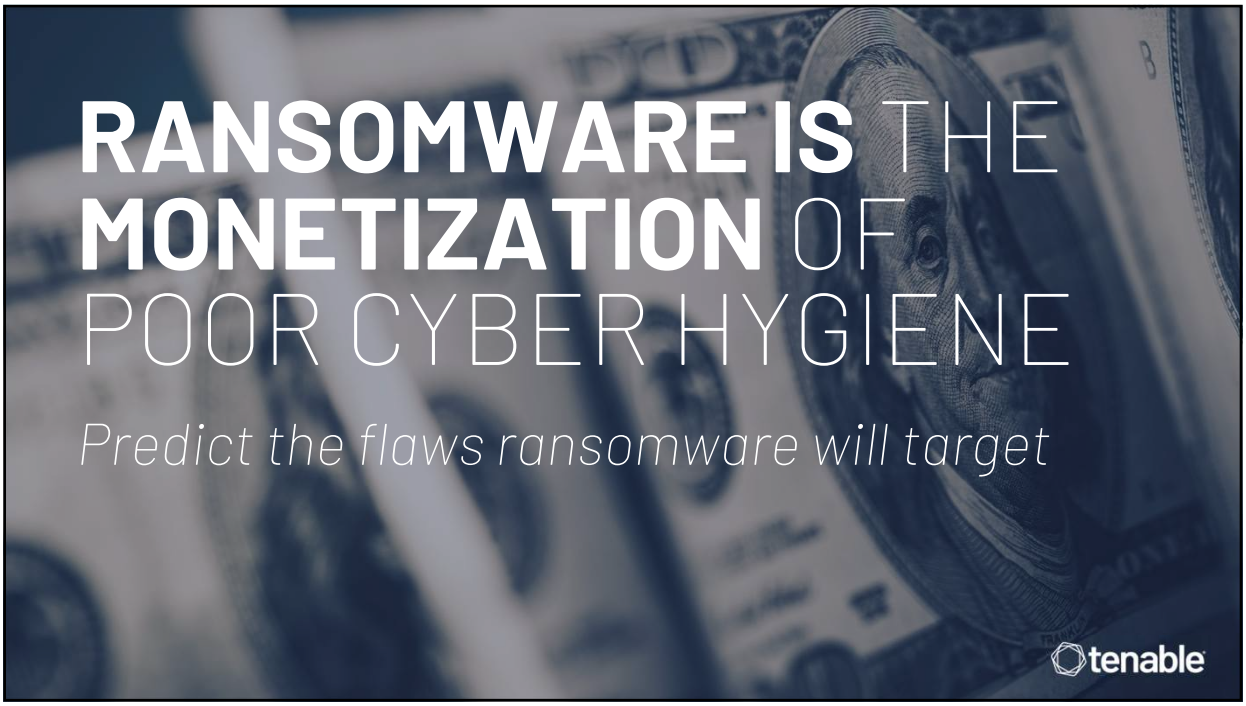

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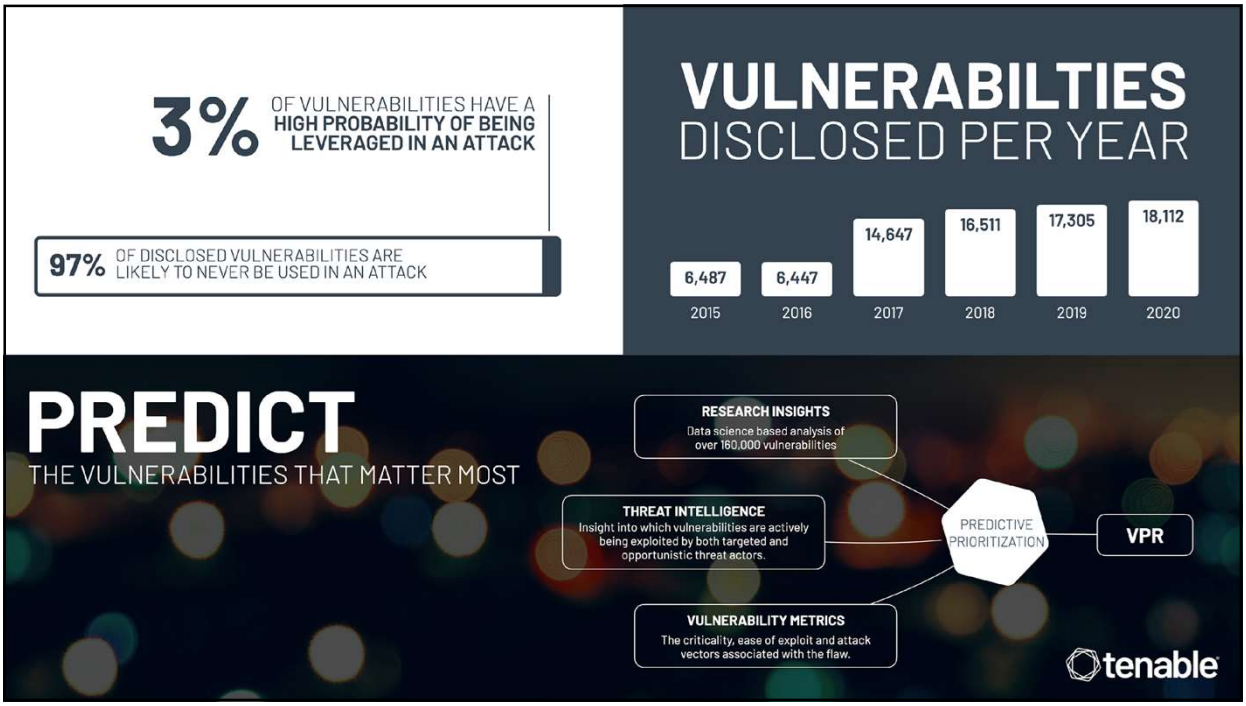

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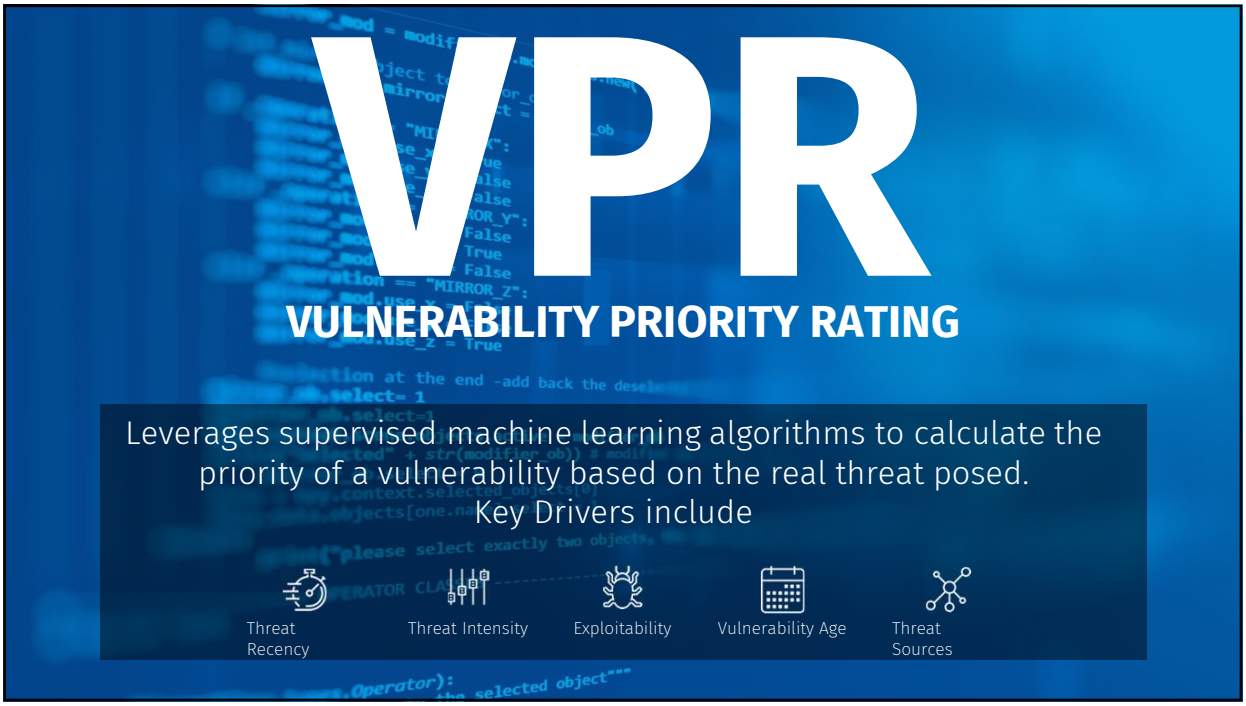

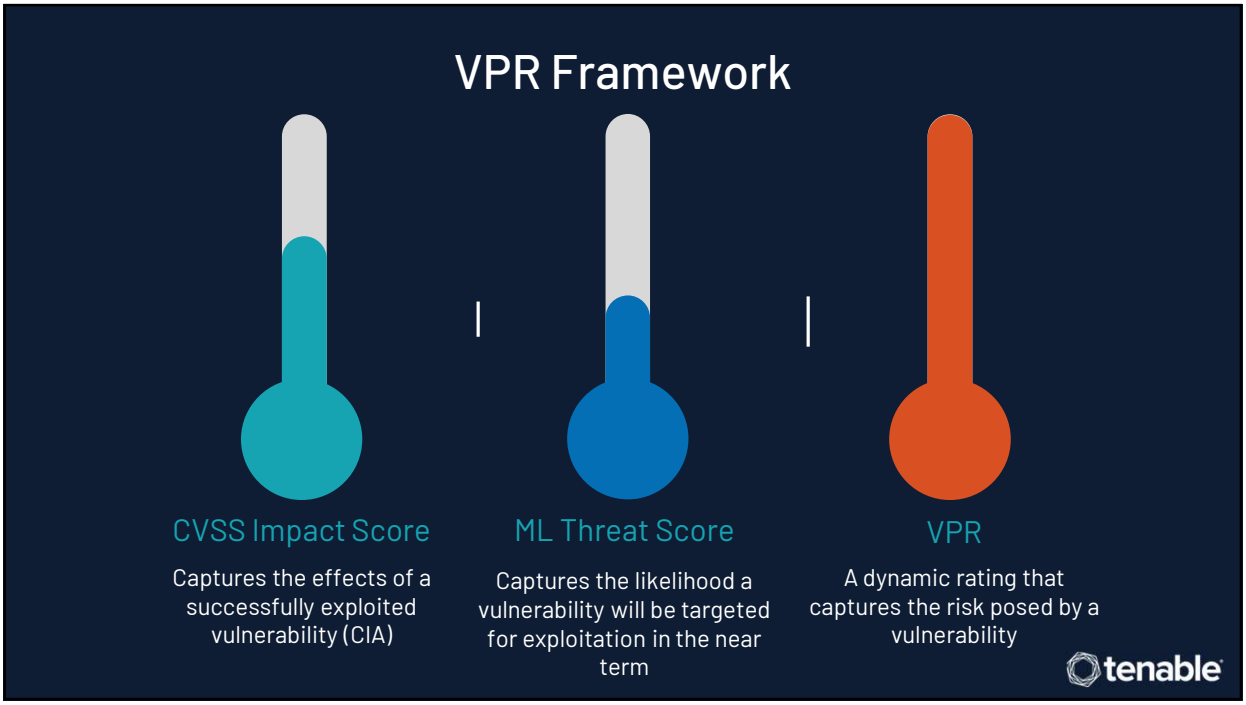

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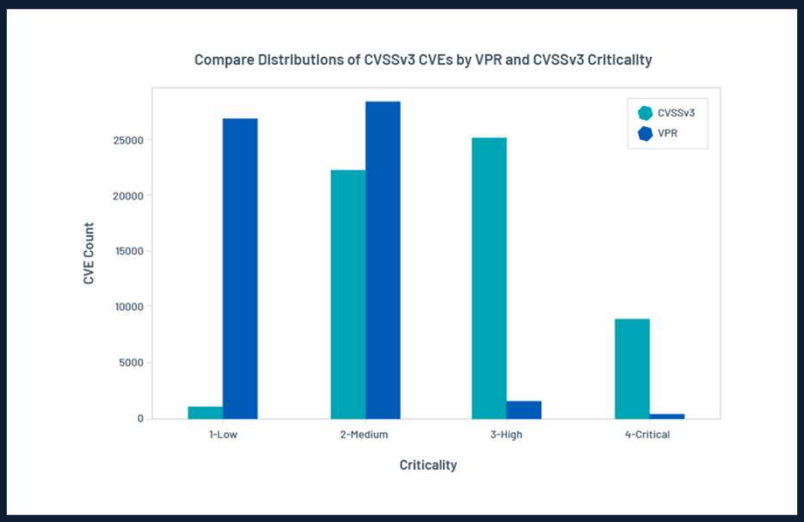
VPR vs CVSS: Severity Distribution



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VPR vs CVSS: Attacks in the Wild

CVE	RF	VT	SW	VPR 2019	CVSSv3 SCORE
CVE-2017-5638		Y		10	10
CVE2019-10149			Y	9.9	9.8
CVE-2019-0903			Y	9.9	8.8
CVE-2019-2725		Y	Y	9.9	9.8
CVE-2019-0859			Y	9.9	7.8
CVE-2019-3396		Y	Y	9.9	9.8
CVE-2018-20250	Y	Y		9.9	7.8
CVE-2018-15982	Y			9.9	9.8
CVE-2018-8174	Y	Y		9.9	7.5
CVE-2018-7600		Y		9.9	9.8

Compared VPR with CVSS for the most dangerous CVE's of 2019:

- Recorded Future / SonicWall / Verint
- CVE-2019-0859
  - Actively Exploited Zero-Day
- CVE-2018-20250
  - "One of the most widely and rapidly-exploited security flaws of recent times"
- CVE-2018-8174
  - Maze ransomware attack
  - Encrypts & exfiltrates data!

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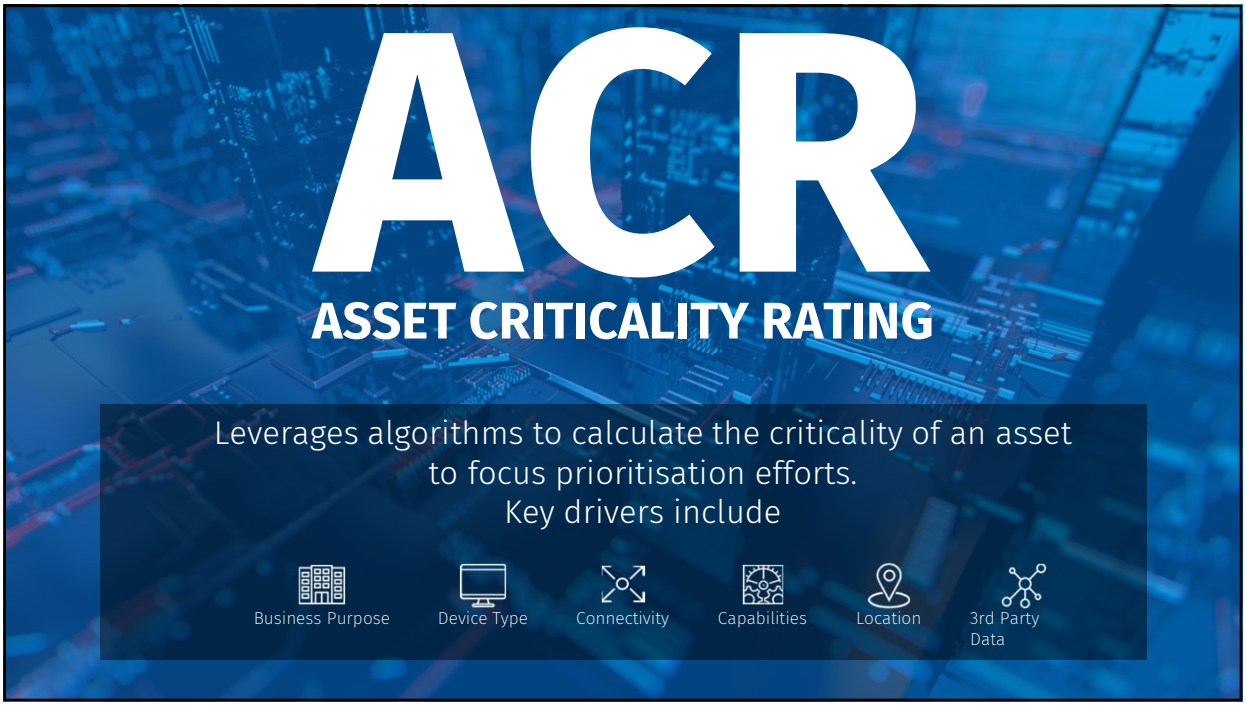

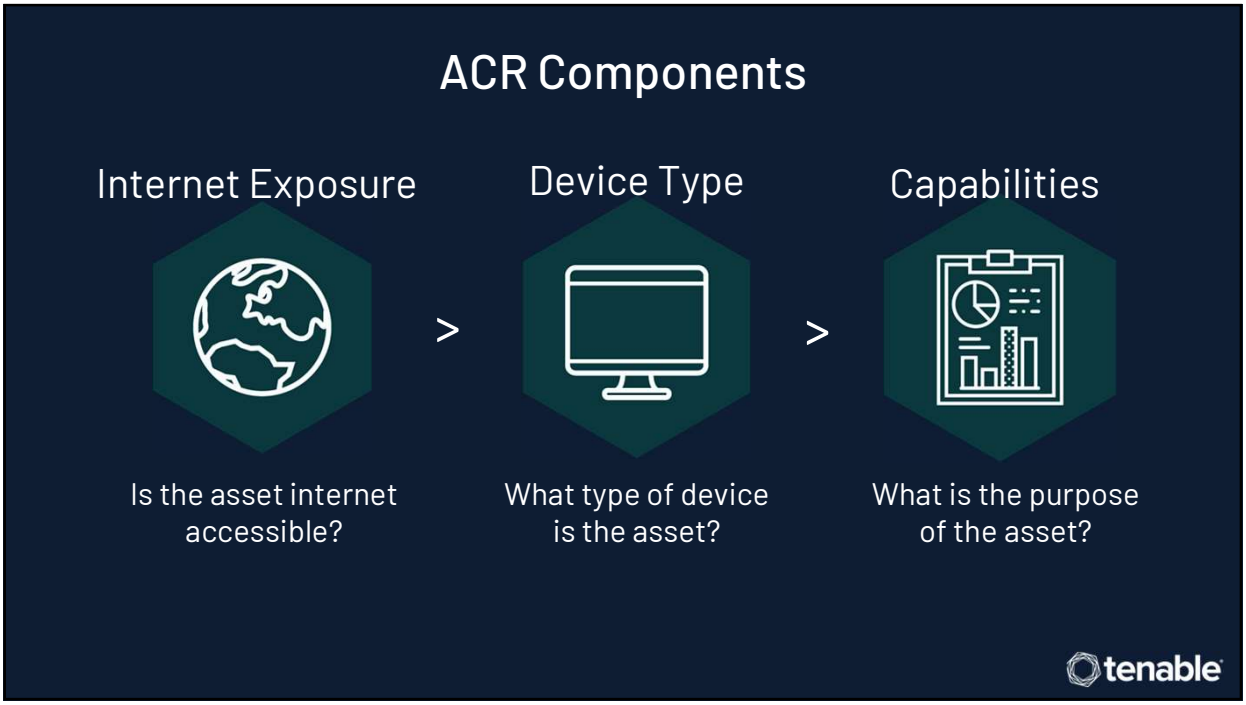

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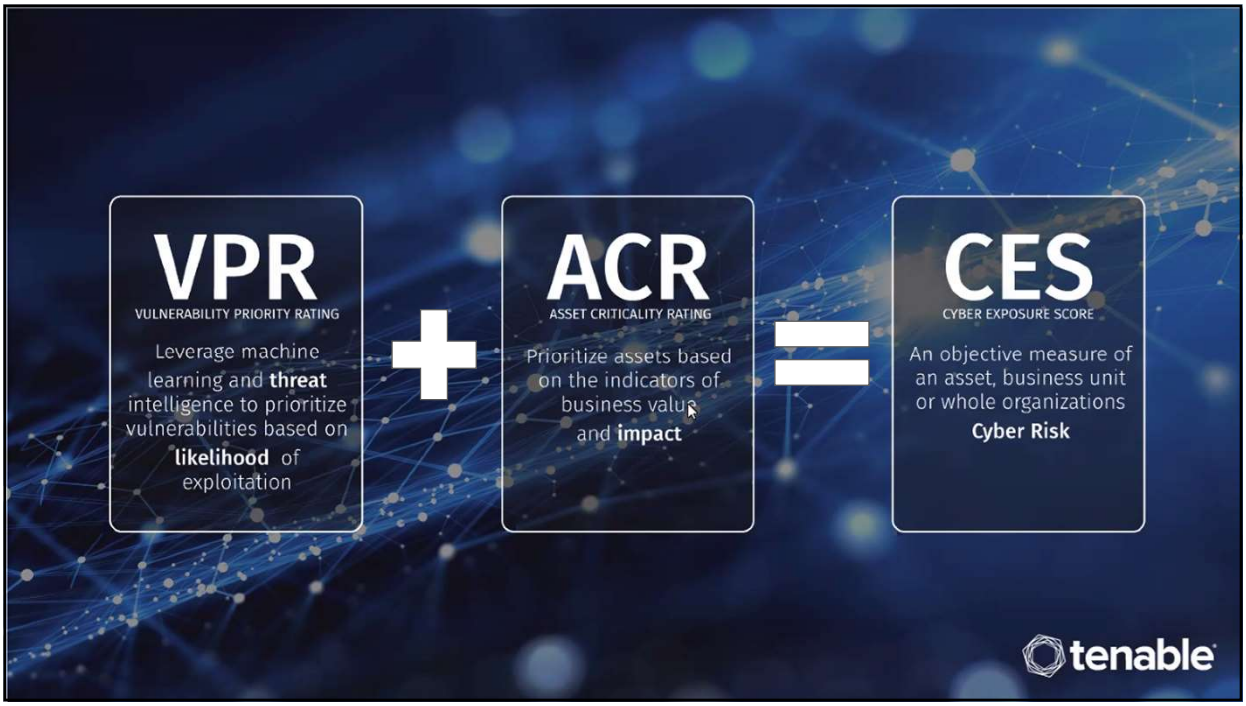

CES Overview

CES measures the cyber risk for an individual asset / group of assets

- 0 to 1000 (most exposed)
- Function of ACR & VPR
- Trending & Benchmarking

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Risk Management Metrics 2

Business System Risk
Focus First On
What Matters Most:
Assets & Vulns

+

Process Integrity Risk
Am I Smart Or Lucky?
Assessment & Remediation
Maturity

Assessment Maturity

Measuring Process Integrity Risk

Ensure adequate asset assessment and vulnerability remediation by quantifying and comparing how well you are assessing your environment. Key drivers include:

- Scan Frequency
- Scan Depth
- Remediation Effectiveness

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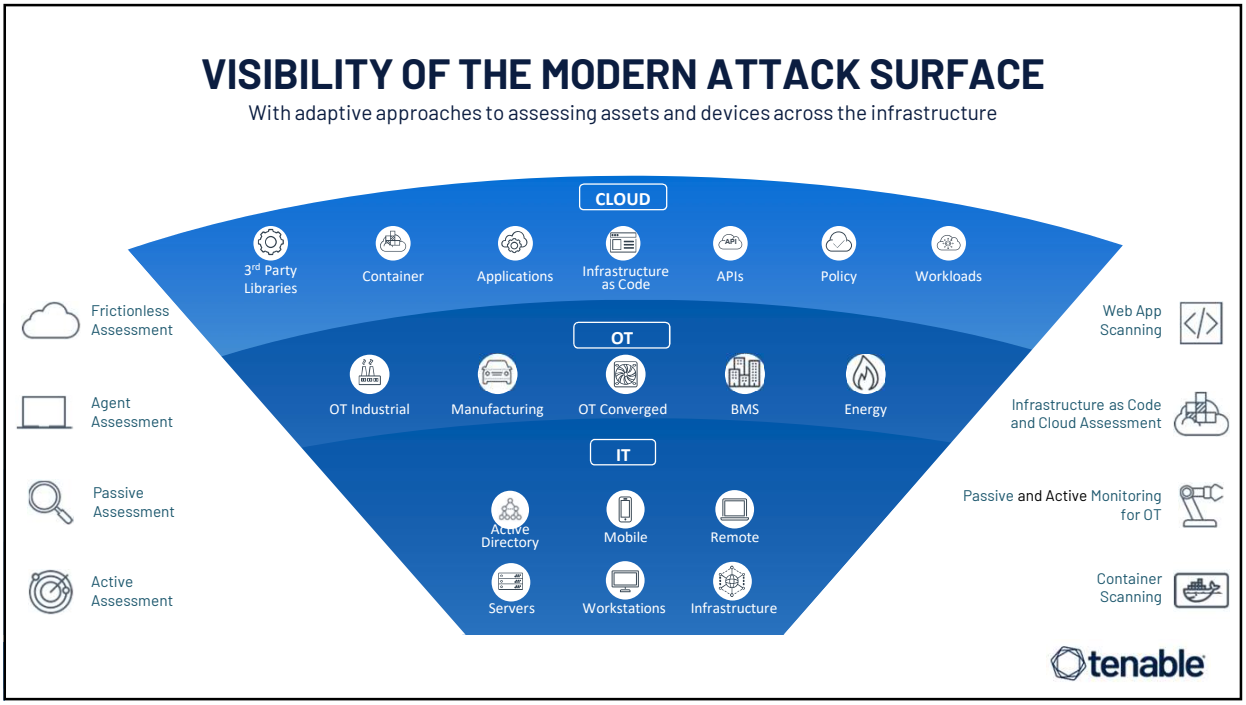

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Gartner

"BY 2022, ORGANIZATIONS THAT USE THE RISK-BASED VULNERABILITY MANAGEMENT METHOD WILL SUFFER 80% FEWER BREACHES.*"

* Gartner, A Guide to Choosing a Vulnerability Assessment Solution, Prateek Bhajanka, Mitchell Schneider, Craig Lawson, April 3, 2019.

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VISIBILITY ACROSS EVERY ATTACK SURFACE

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- **tenable.io** vulnerability management — Cloud Native Risk-Based Vulnerability Management.
- **tenable** lumin — Calculate, Communicate and Compare your Risks and Exposures.
- **tenable.io** web app scanning — A Simple, Scalable Approach to Dynamic Application Security Testing.
- **tenable.io** container security — Gain Visibility into the Security of Container Images.

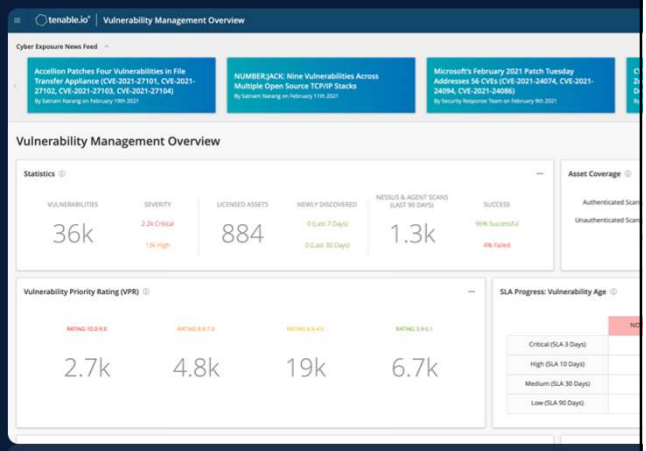
- **accurics** by tenable — Detect and Remediate Security Flaws in Your Infrastructure as Code and Running Cloud
- **tenable.ad** — Secure Your Active Directory and Disrupt Attacks.
- **tenable.ot** — Gain Complete Visibility, Security and Control of Your Operational Environments.
- **tenable.sc** — See Everything. Predict What Matters. Managed On-Prem.

tenable.io

See everything. Predict what matters.

Managed in the Cloud.

Tenable.io is an integral component of the Tenable Cyber Exposure Platform that provides actionable insight into your entire infrastructure's attack surface.



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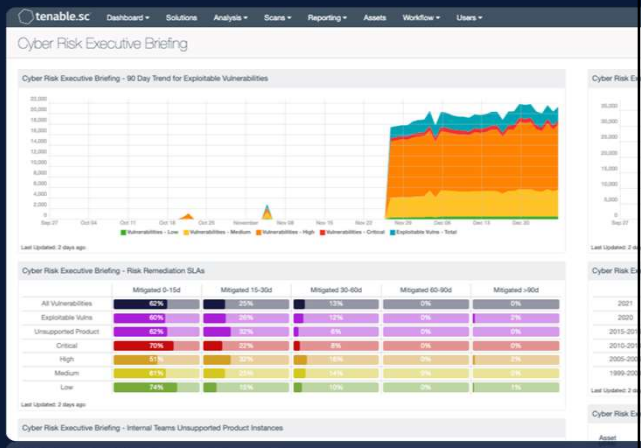
See everything. Predict what matters.

Managed On-Prem.

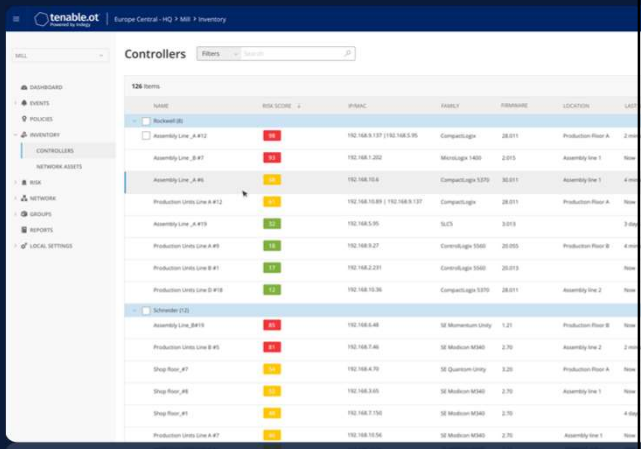
Get a risk-based view of your IT, security and compliance posture so you can quickly identify, investigate and prioritize vulnerabilities.



tenable.ot

Get the operational technology security you need. Reduce the risk you don't.

Tenable.ot protects industrial networks from cyber threats, malicious insiders and human error. With threat detection and mitigation, asset inventory, vulnerability management and configuration control, Tenable's ICS security capabilities identify and predictively prioritize threats and vulnerabilities to maximize the safety and reliability of your operational technology environment.



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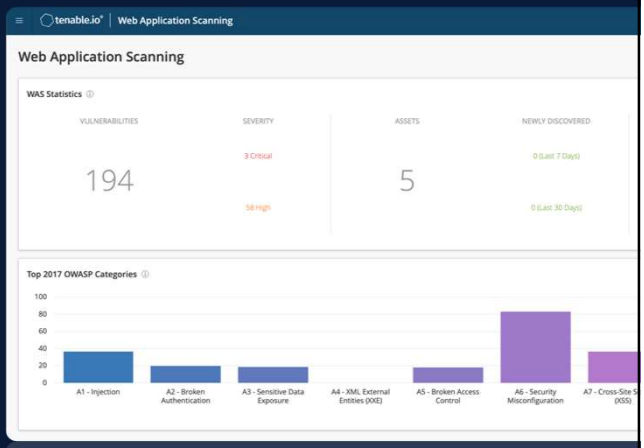
tenable.io
web app scanning

Unified Visibility. Built By Tenable Research.

Create new scans in seconds and get actionable results in minutes with Tenable.io Web App Scanning
Take advantage of web application security built by the largest vulnerability research team in the industry.



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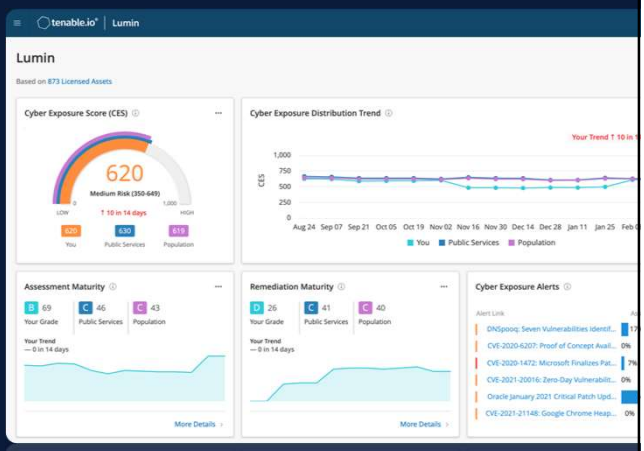
How secure is the business?
Meet your Cyber Exposure Score

For the first time ever, you can visualize and explore your Cyber Exposure, track risk reduction over time, and benchmark against your peers.



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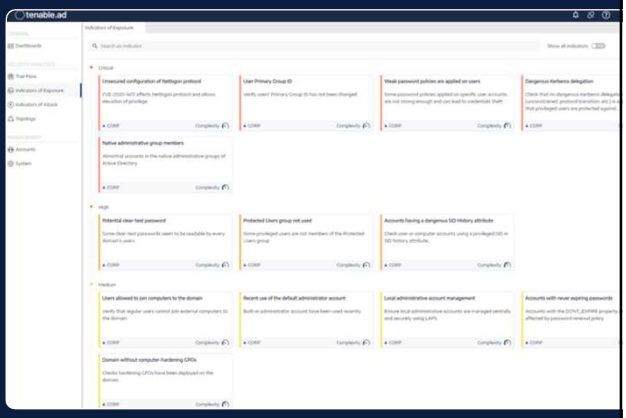
No Privilege Escalation.
No Lateral Movement.
No Next Step.

By combining Risk-based Vulnerability Management and Active Directory Security, Tenable enables you to disrupt the attack path, ensuring attackers struggle to find a foothold and have no next step if they do.

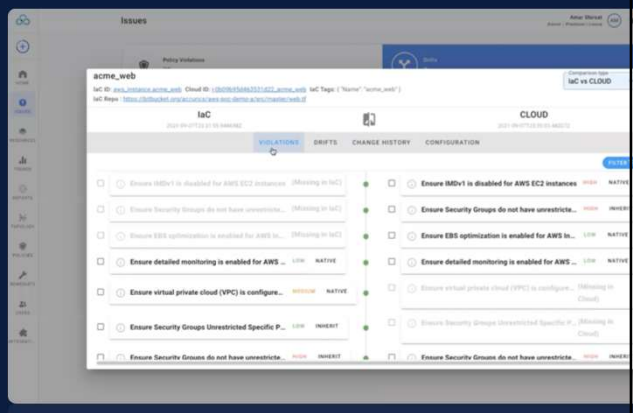


accurics by tenable

Secure Infrastructure as Code for Flawless Clouds

We are witnessing the rise of the Infrastructure as Code (IaC) movement, and to support this movement, cybersecurity needs to innovate with Security as Code.

Assess Infrastructure as Code before deployment and identify drift at runtime to secure the cloud at the speed of code.



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