

## VMDR – The Journey to Risk Management and Beyond



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## **Enterprise TruRisk™ Platform**

Measure, communicate, and eliminate cyber risk.

De-risk your business.

You can't **secure** what you can't **manage**. You can't **manage** what you can't **measure**. You can't **measure** what you can't **see**.



## **Fast Weaponization**



Attackers have an 11-day advantage

30.6 Days

Mean Time to Remediate

57.7% Remediated Vulnerabilities

19.5 Days

Time to Weaponize



Not only are attackers an average of **11 days faster** to exploit vulnerabilities than defenders are to patch them, but over 40% of weaponized vulnerabilities go unpatched.





Following NCSC recommendations would even the odds against attackers.

3 Days Actual Patch Deployment

Where's all that remaining time going?



# **Measure** Risk with TruRisk™

Continuously Measure Cyber Risk

01

#### **Measure Accurately**

Accurately measure, quantify, and track risk reduction over time, across vulnerabilities, assets, and business units

02

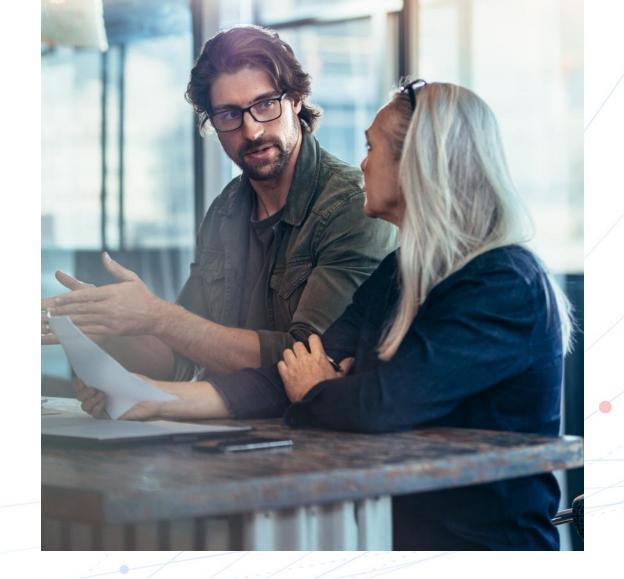
#### **Communicate Precisely**

Communicate risk across different teams, business units and geographic locations by leveraging dashboards, reports and ITSM tools.

03

#### **Eliminate Effectively**

Patch any device anywhere, leverage multiple avenues from remediation to mitigation and block attack paths to eliminate risk

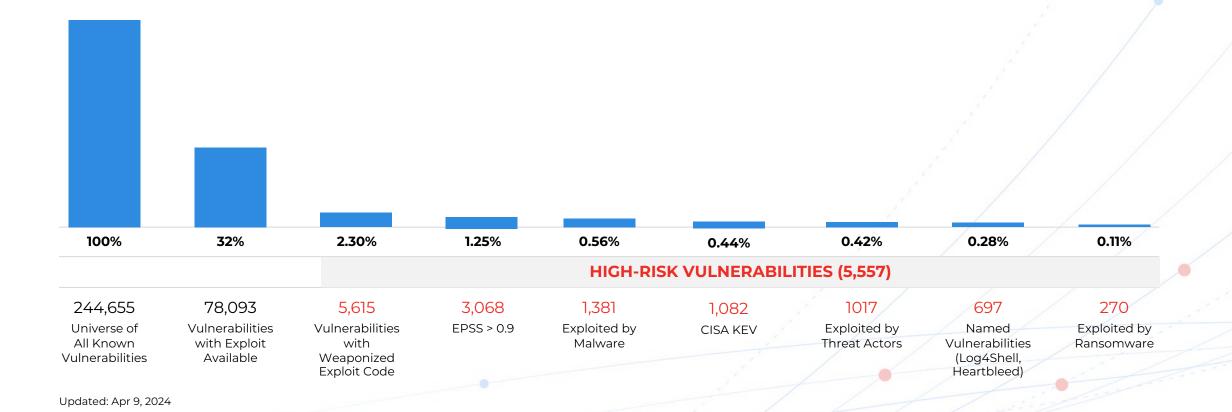




## Many Ways To Measure Risk

How Do You Accurately **Measure** Risk?

Qualys.



## Measuring by CVSS

Focus on What Matters Most

52%

Too many vulnerabilities (105k+) are rated high or critical by CVSS

## **Common Vulnerability Scoring System (CVSS)**





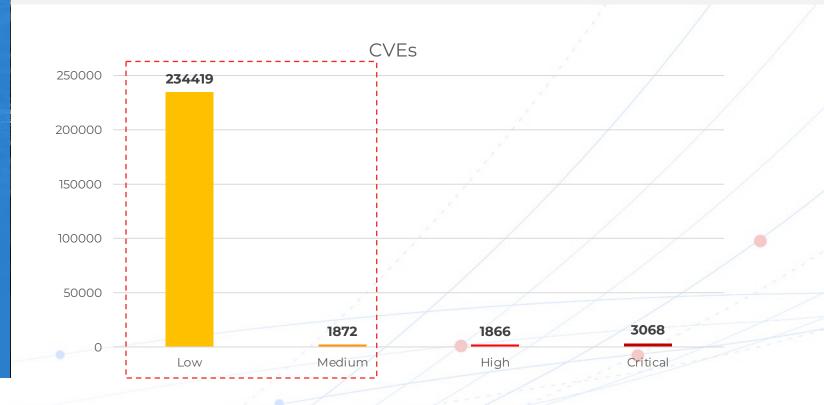
## **Measuring by EPSS**

Focus on Reducing Risk, Not Volume

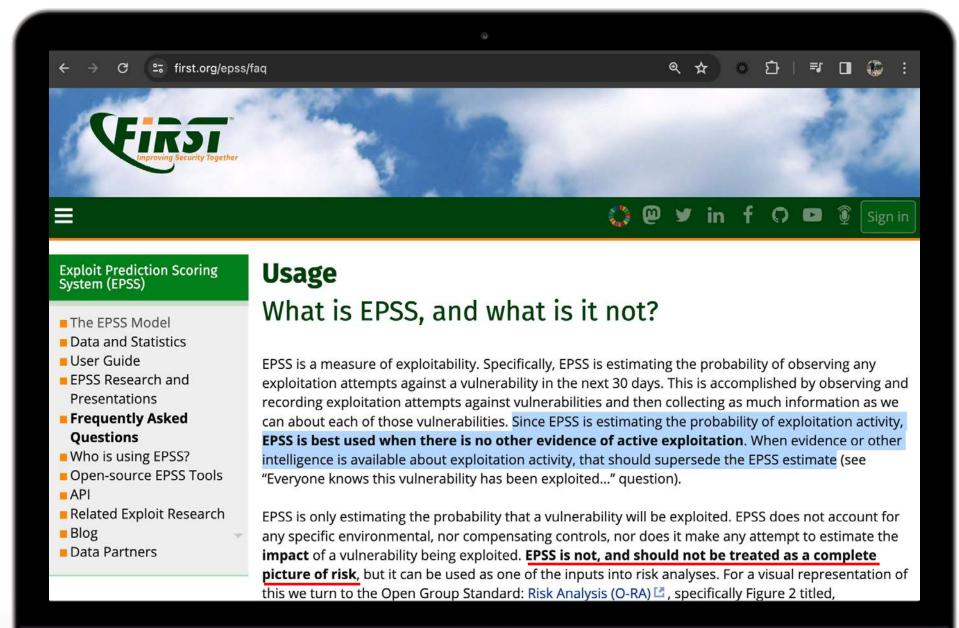
98%

Too many vulnerabilities (234K) are rated low or medium by EPSS

### **Exploit Prediction Scoring System (EPSS)**







## **Measure Risk with TruRisk™**

The most accurate way to **measure**& prioritize cyber risk





















Kaspersky<sup>®</sup> Industrial CyberSecurity







quare



#### **Measure Cyber Risk**

**Quantify risk across vulnerabilities, assets, and groups of assets** helping organizations proactively reduce risk exposure and track risk reduction over time with Qualys TruRisk



#### **Prioritize Based On Real Risk**

Prioritize based on context from the **4-E**s: **Exposure, Exploitation, Evidence,** & **Enterprise context** 



#### **Best-In-Class Threat Intelligence Included**

Leverage insights from over 200k vulnerabilities sourced from over **25+ threat sources** to get best-in-class threat intelligence with the Qualys Cloud Threat DB



Ingestion of third-party threat data and intelligence feeds



25+ Threat Feeds





120+ Strong Research Team



Normalization, correlation, de-dup, and contextualization of threat intelligence



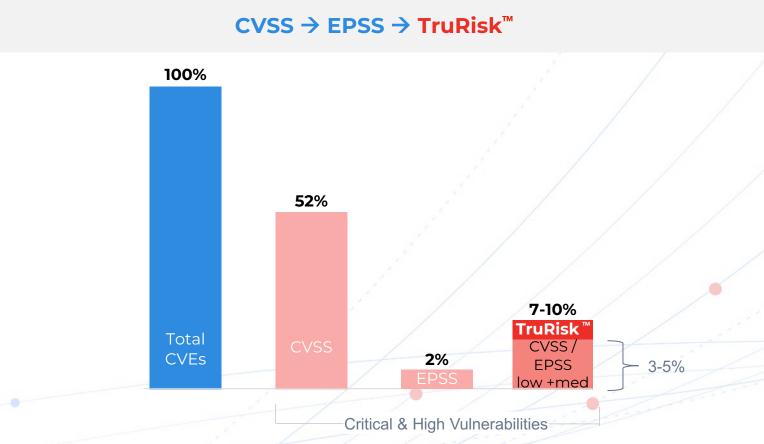




## Industry Leading Prioritization with TruRisk™

Cut 52% to <10% with TruRisk™







## Medium-High CVSS, Critical EPSS, Low TruRisk™

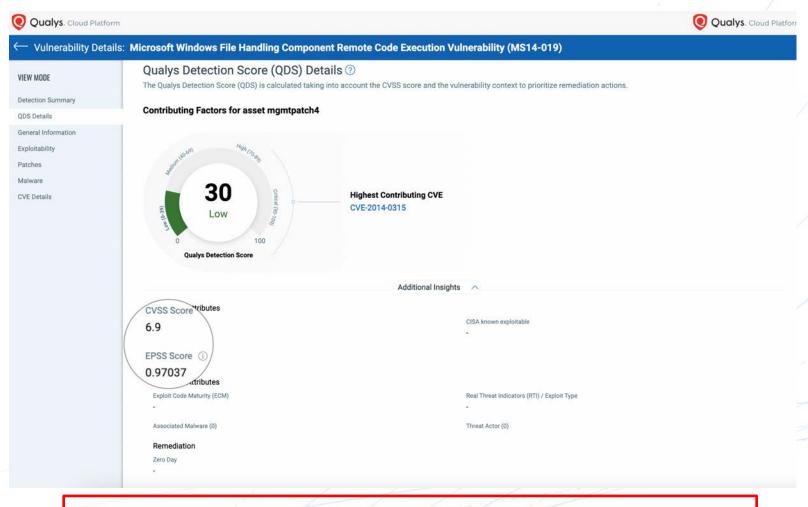
Microsoft Windows File Handling Component RCE (MS14-019)

**CVSS 6.9** 

EPSS 0.97037

No Evidence of Exploitation

No Exploits available





692M

Vulnerabilities incorrectly prioritized by CVSS & EPSS

## Low CVSS, Low EPSS, Critical TruRisk™

VMware Tools Authentication Bypass Vulnerability (VMSA-2023-0013)

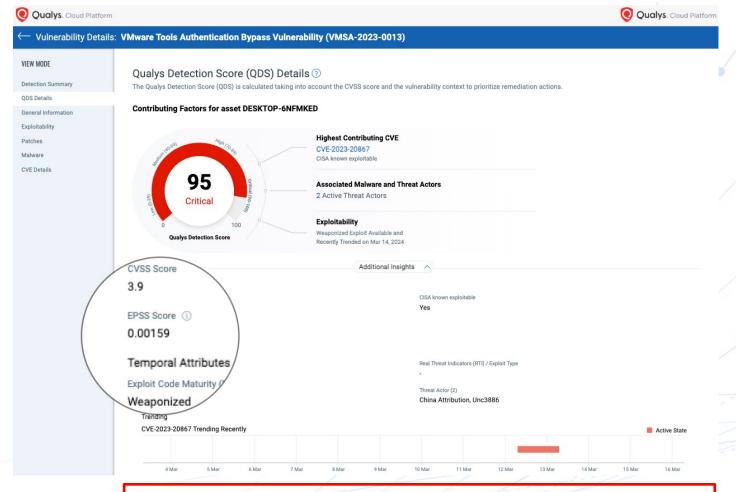
**CVSS 3.9** 

**EPSS 0.00159** 

**CISA KEV** 

**Weaponized PoC** 

**Exploited by 2 Threat Actors & Trending** 



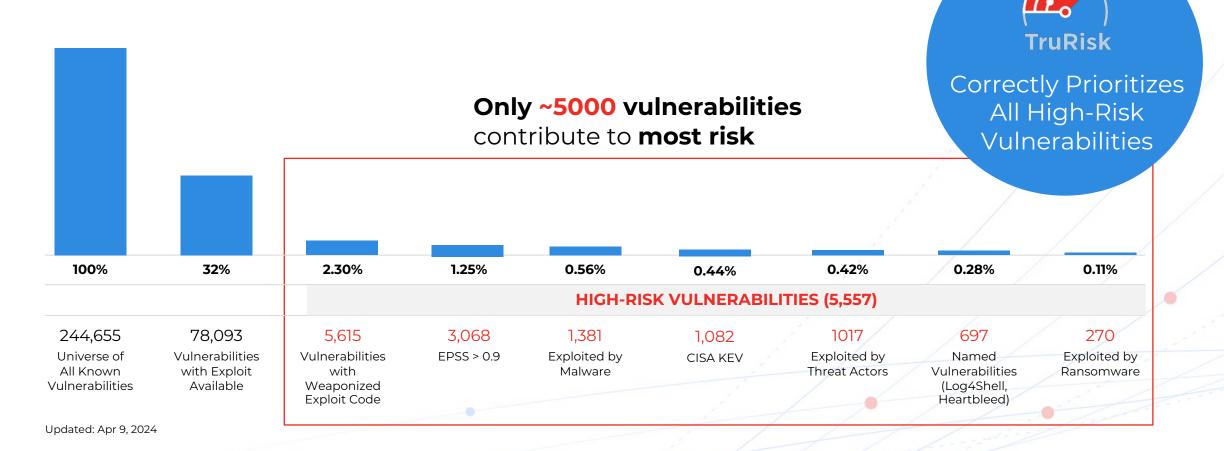


87M

Vulnerabilities not prioritized by CVSS & EPSS

## **Never Miss a Beat**

### **Focus on What Matters**





## **Qualys VMDR with TruRisk™**

## The fastest, the most accurate, and the most comprehensive



#### Coverage

Detect vulnerabilities with the industry-leading signature database across your entire attack surface (IT/OT/IoT, Cloud, External). With EASM, know your unknown risk too.



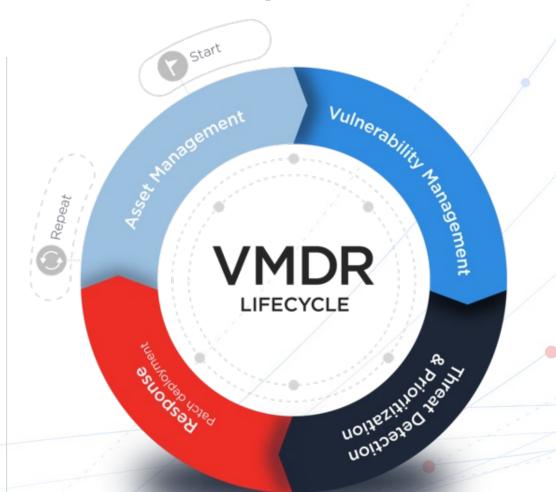
#### **Accuracy**

Six-sigma (99.99966%) accuracy combined with 25+ sources of threat intel drives pinpoint TruRisk™ Scoring and confident prioritization.



#### **Speed**

No scheduled agent scans required. Detect vulnerabilities in less than 4 hours—up to 6x faster than competitive solutions.





# Announcing: Software Composition Analysis (Open Source)

Now available to all VMDR customers at no charge!

**56** 

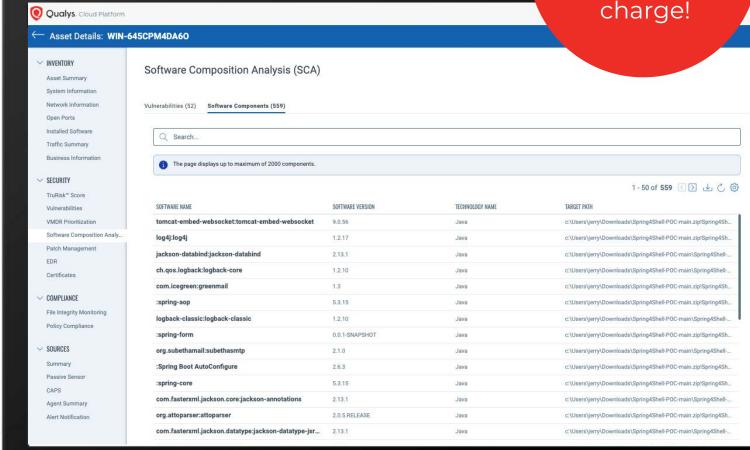
No. of vulnerable open-source packages per asset

41%

OSS Vulnerabilities with Exploits available on each asset

91%

Packages had OSS with no development activity in the last two years



G



# Expand VMDR with Qualys Custom Assessment & Remediation (CAR)



## **Bring Your Own QID**

Write your own vuln custom detection scripts to measure your risk



## **Run Your Own Remediation Scripts**

Qualys agents run your custom scripts



## **Fully Integrated Into VMDR**

Measure and communicate custom risk as part of VMDR











Contact your TAM to learn more about Qualys CAR!



# **Communicate** Risk with TruRisk™

Know Your Risk Posture from Every Angle

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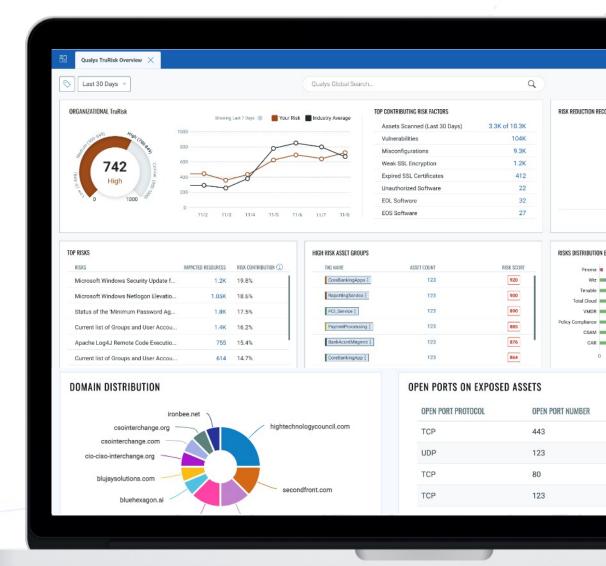
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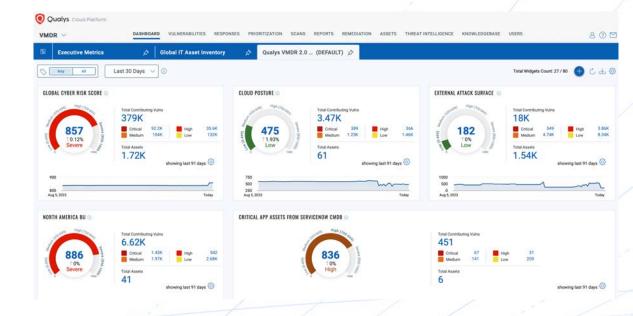




## **Communicate Risk with VMDR**

## Use Unified Dashboards To Communicate Risk

Create intuitive, customized **persona-based dashboards,** and share them across the organization from C-Level execs to practitioners





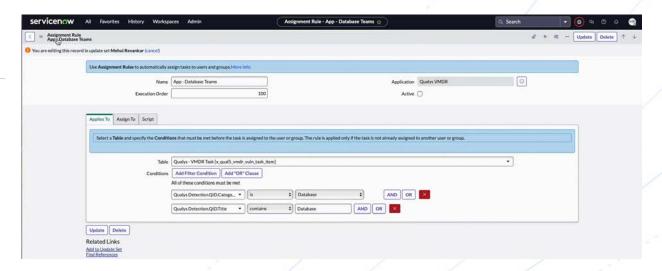
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## **Integrate with ITSM & Ticketing Solutions**

Use Vulnerability Tagging to achieve precise **Vulnerability Routing**. Automatically create **rule-based notifications** and **workflow tickets**, assign tasks to **rightful owners** (based on CMDB metadata), and **automatically close** them out upon remediation.





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## ✓ Leverage TruRisk™ Report

Share the **State of the Union with executives** to understand the latest trends and landscape of risk for your organization, and implement prescriptive actions to mitigate risk





# **Eliminate** Risk with TruRisk™

Ingesting the Best Intelligence Anywhere

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# **Eliminate** Risk with Qualys Patch Management

Patch Any Device, Anywhere

Patch all major Windows, Linux & macOS, 3rd Party Apps. Run scripts to fix misconfigs or run custom remediation.

Automated Risk Based Remediation

Precisely identify patches to remediate vulnerabilities, and automatically remediate low impact, high risk vulnerabilities with zero touch automated patching.

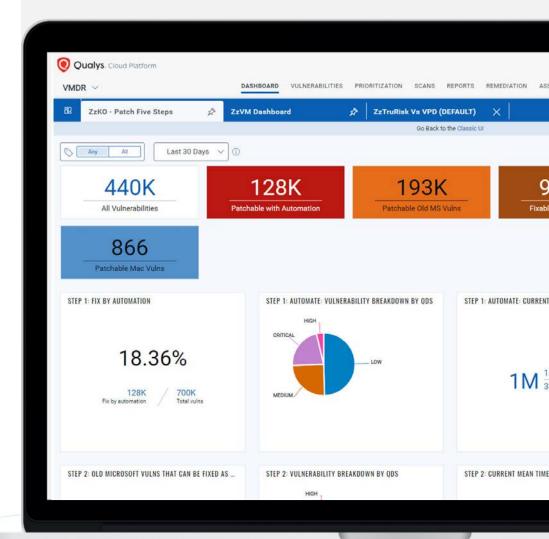
Track Remediation End To End

Integrate with ITSM solutions to automatically create tickets, deploy patches upon approval drastically improving MTTR.

Eliminate Attack Paths with MITRE ATT&CK Context

Leverage MITRE ATT&CK Insights to identify and eliminate attack paths and break kill chains to reduce risk (e.g., lateral movement).





# Introducing: MITRE ATT&CK Matrix Prioritization



#### **Get an Attacker-centric View**

View your top ATT&CK Tactics and Techniques from an **attacker's perspective** and adopt **Threat-Informed Defense** to reduce risk



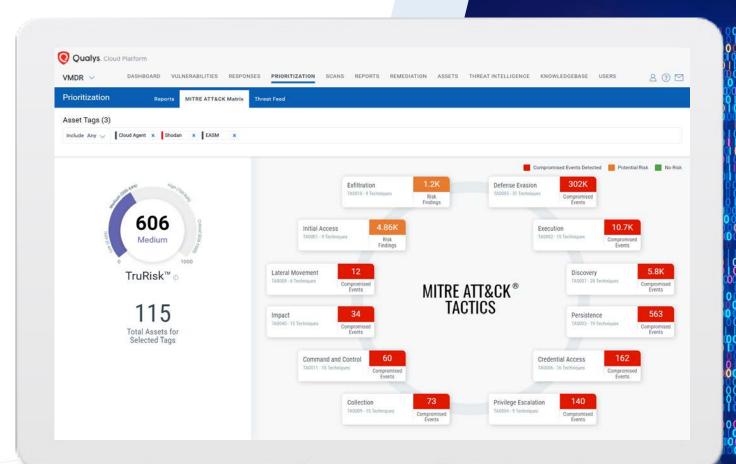
#### **Holistic ATT&CK View**

A consolidated ATT&CK view of **vulnerabilities** from VMDR, **mis-configurations** from PC, **incidents** from EDR, and **asset details** from CSAM (e.g., external-facing asset identification and RDP port details)



#### **Eliminate Attack Paths**

Leverage MITRE ATT&CK insights to identify, prioritize, **eliminate attack paths** and **break kill chains** proactively using integrated Patch Management





## Demo



## What's Next?



## What's Next?

## **Top 3 Upcoming Features for VMDR**

## TruRisk™ Report (GA)

Create an executive summary report of the current security posture according to all risk factors.

## **CVE Centric Report**

Option to evaluate and report on the CVE rather than the QID at the time detection.

### Coverage Enhancements

- File System Crawling
- Vulnerabilities in Al software
- SAP application vulnerabilities



## **But wait... There's more!**

2:20 PM Ballroom 2

#### **Remediating the Nightmares:**

Preparing to Defend Against Multi-channel Vulnerabilities



Eran Livne

3:20 PM Ballroom 2

#### CSAM / ITSM:

What Have we Learned, and How Can You Benefit?



Pablo Quiroga

4:10 PM Main Stage Measuring and Detecting Cloud Risks with Artificial Intelligence



Kunal Modasiya





## **Enterprise TruRisk™ Platform**

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De-risk your business.

## One more thing...



