

Transforming Vulnerability Management From One Size-Fits-All to Truly Risk-Based

Security Camp
7 Aug 2025

Agenda



Welcome and
Introductions



The Problem
We Faced



Solution Design
and
Implementation



Demonstration



Lessons
Learned



Conclusion and
Q&A

Introductions

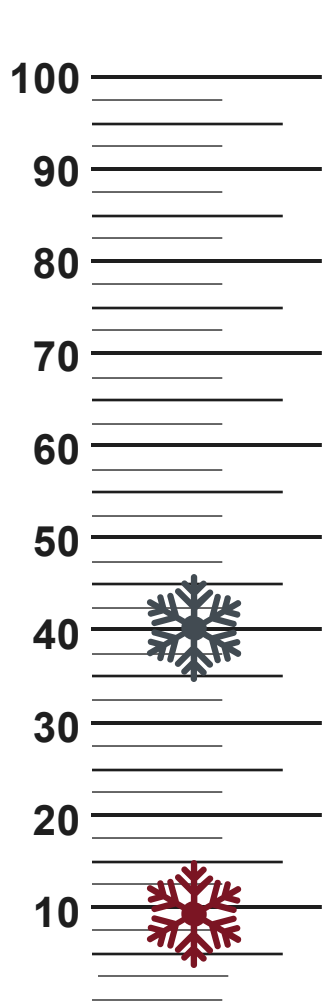


John Sorel, Sr. Security Engineer, Harvard University



Todd Conetta, Project Manager, Harvard University; SEI, Inc.

Journey of the Mind to Beat the Heat (New England Style)



Which month sees the most Snow?

February

What's the average annual snowfall in Boston?

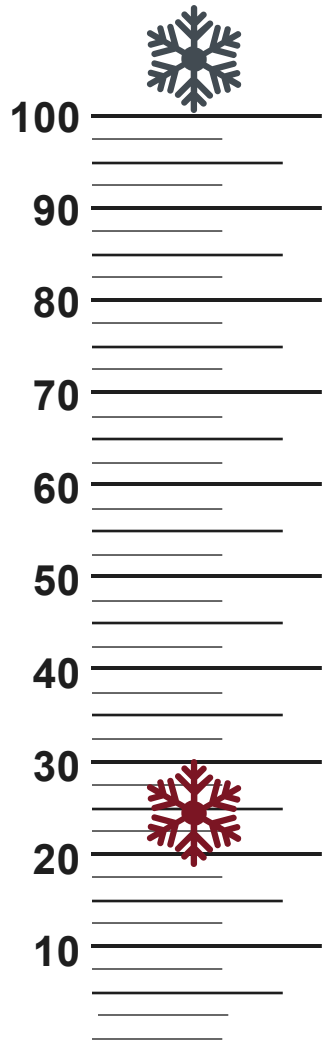
~40 inches

Average biggest snowfall of the year?

~9.5 inches

<https://www.extremeweatherwatch.com/cities/boston/most-yearly-snow>, <https://www.currentresults.com/Yearly-Weather/USA/MA/Boston/extreme-annual-boston-snowfall.php>

Journey of the Mind to Beat the Heat (New England Style)



What was the largest snowfall total for one winter?

108 inches

Okay but that was a long time ago, right?

2014 - 2015

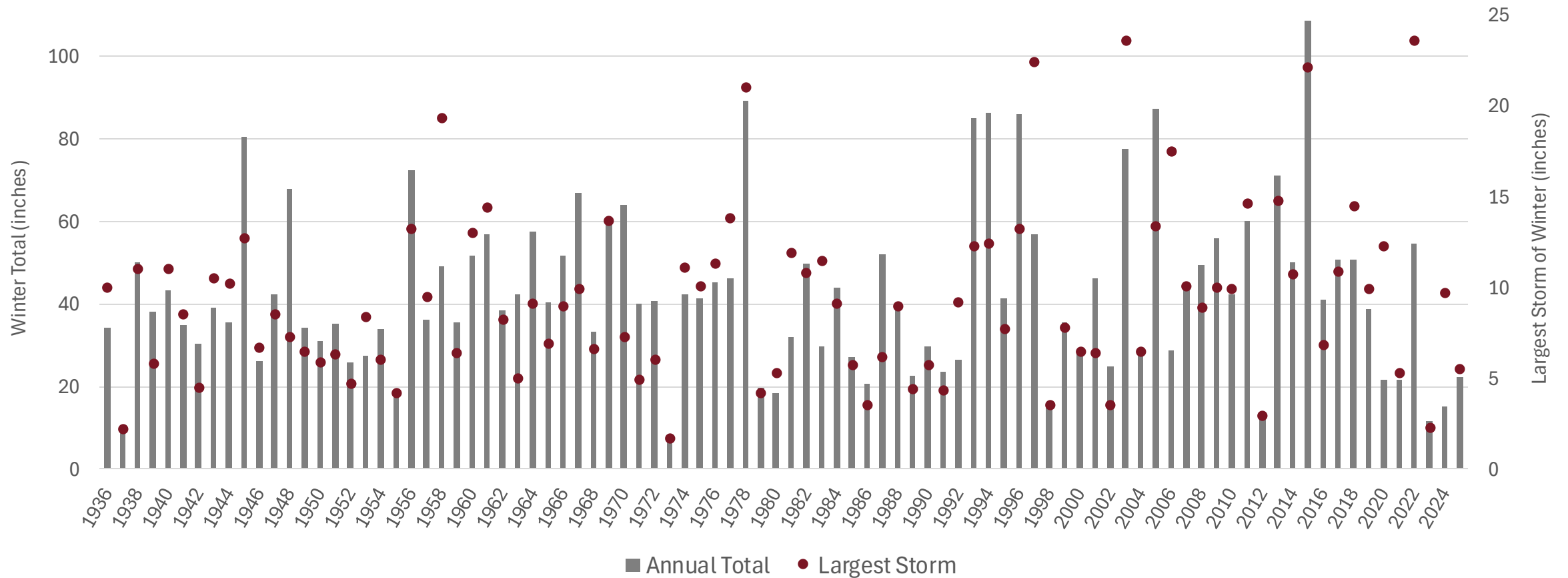
So 2015 probably had the worst storm in recent years, too?

No - 23.5 inches 2022

<https://www.extremeweatherwatch.com/cities/boston/most-yearly-snow>, <https://www.currentresults.com/Yearly-Weather/USA/MA/Boston/extreme-annual-boston-snowfall.php>

A Historical View of the Data Set

Snowfall in Boston by Winter



<https://www.extremeweatherwatch.com/cities/boston/most-yearly-snow>, <https://www.currentresults.com/Yearly-Weather/USA/MA/Boston/extreme-annual-boston-snowfall.php>

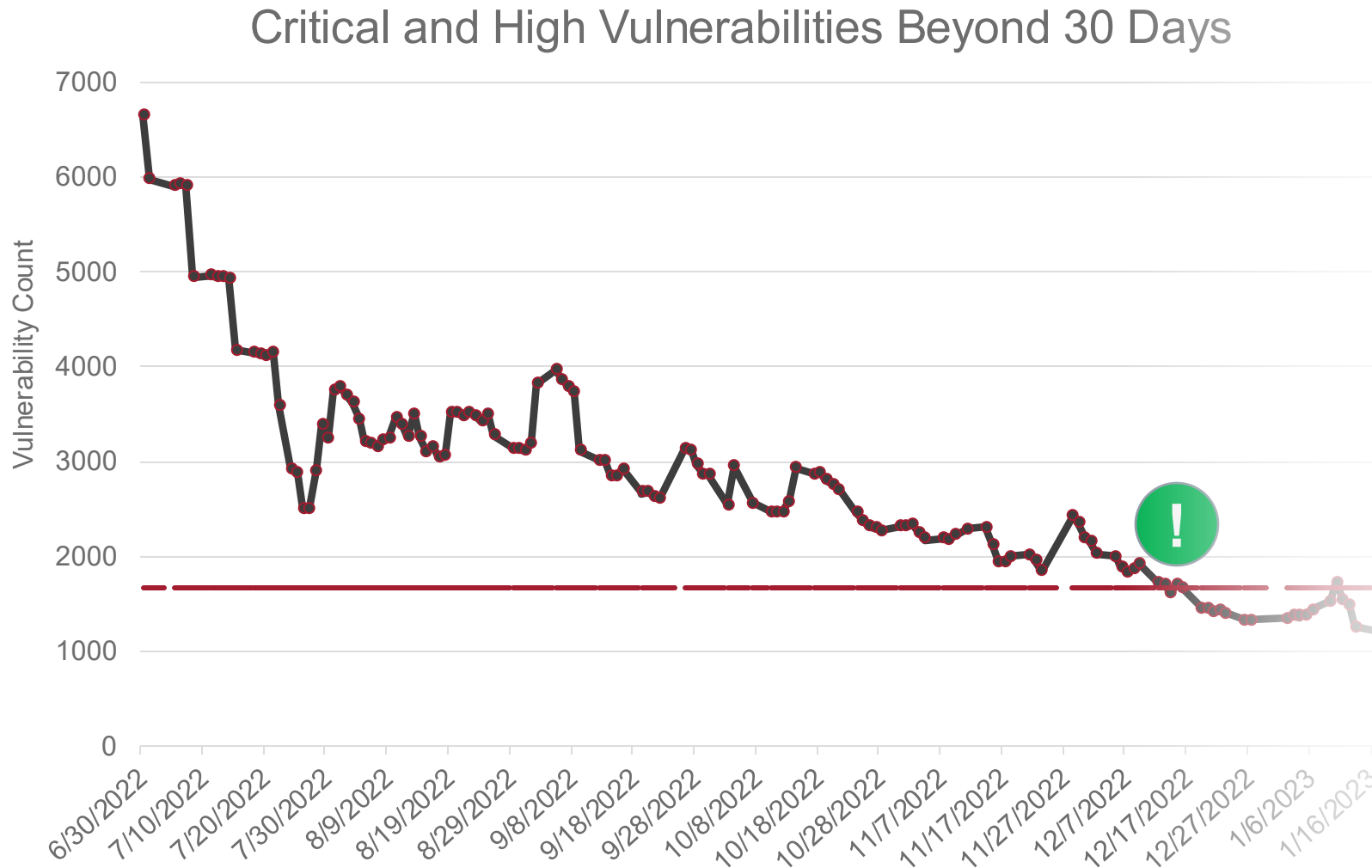
The Problem we Faced: A Vulnerability Whiteout



A Moment of Clarity in the Storm

- 2022 Call-to-Action, named as a top information security risk
- Addressed with an all hands on-deck goal:
Reduce all critical and high severity vulnerabilities by 75% in Fiscal Year 2023
- Real improvements and impactful change:
 - Established a Community of Practice
 - Pilot processes for exception handling
 - Addressed bottlenecks in patching process
 - Increased use of automation

The Problem we Faced: Initial Success



FY23 Success

- Each school significantly reduced their vulnerabilities
- The University reduced by ~78%
- Information sharing, process improvement, better understanding of data

New Challenges Emerge

- Sustaining is actually hard!
- VM fatigue sets in
- Moving up the stack requires new stakeholders and often longer timelines

The Problem we Faced: Tackling What was Next



Evolving Threat Landscape

- Increasing volume and sophistication of threats
- High volume of vulnerabilities
- Limited resources and growing compliance pressures

Challenges with Traditional Approaches

- High-volume, low-priority workload
- Inefficient resource allocation
- Difficulty communicating risk to leadership

Building a Solution: Establishing a Framework for Execution

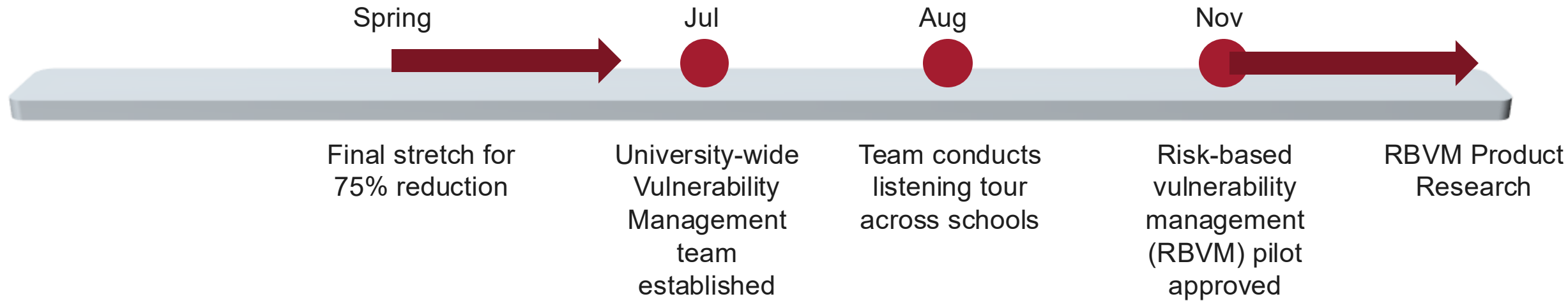
Launching a Risk-Based Approach

- Starting FY24: 3-Year Initiative
- Prioritize remediation based on true risk to the University
- Centralize standards to drive consistency across decentralized action
- Engage with partners to lay the foundation for strong stakeholder alignment
- Equip partners with the right toolset

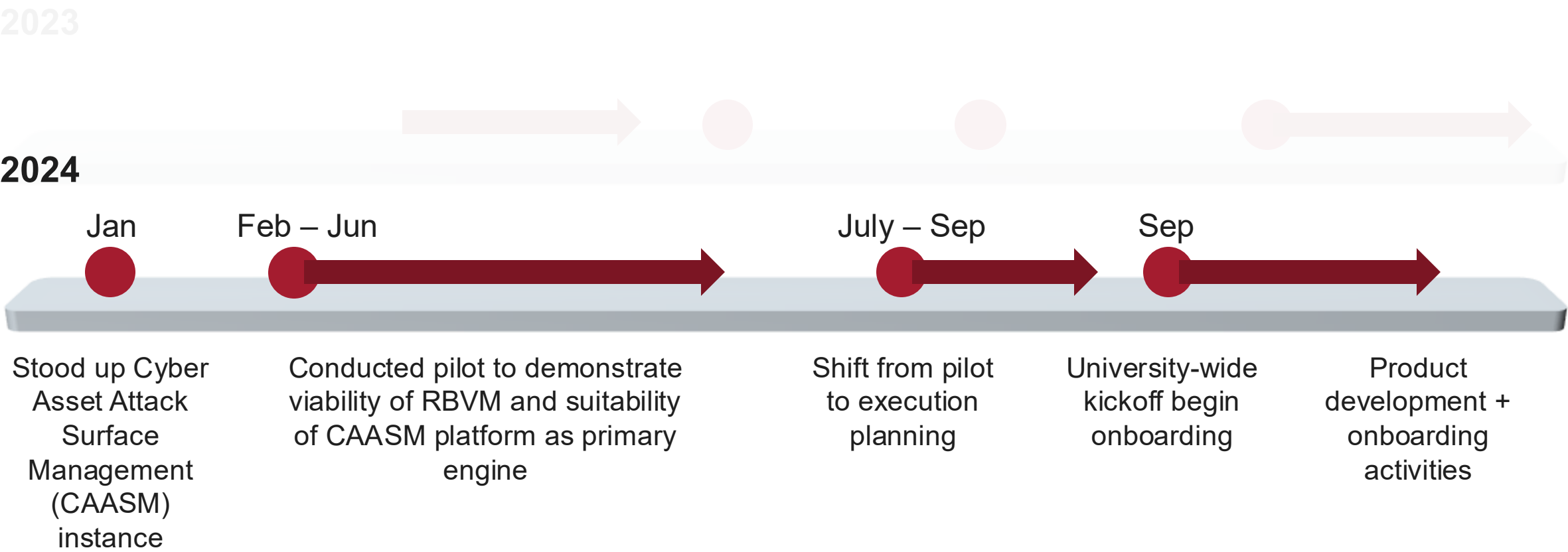


Building a Solution: Timeline

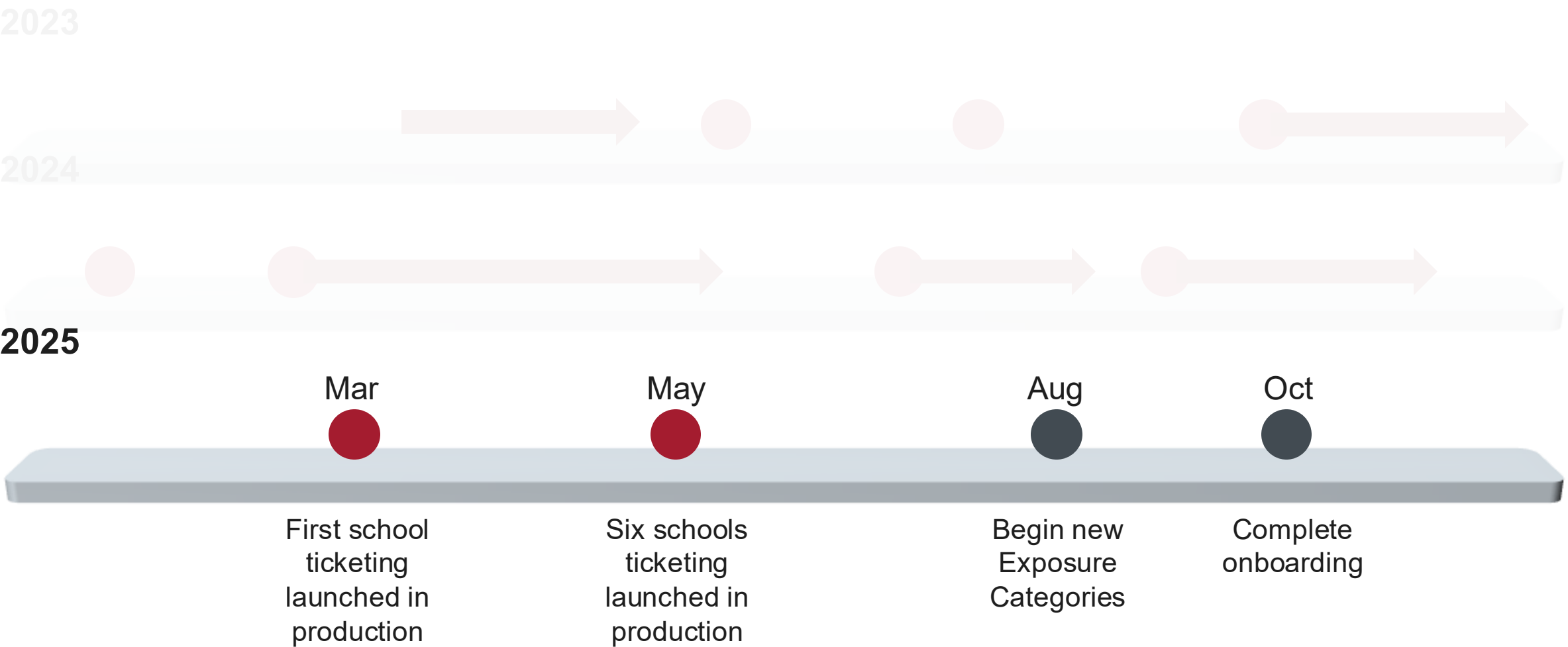
2023



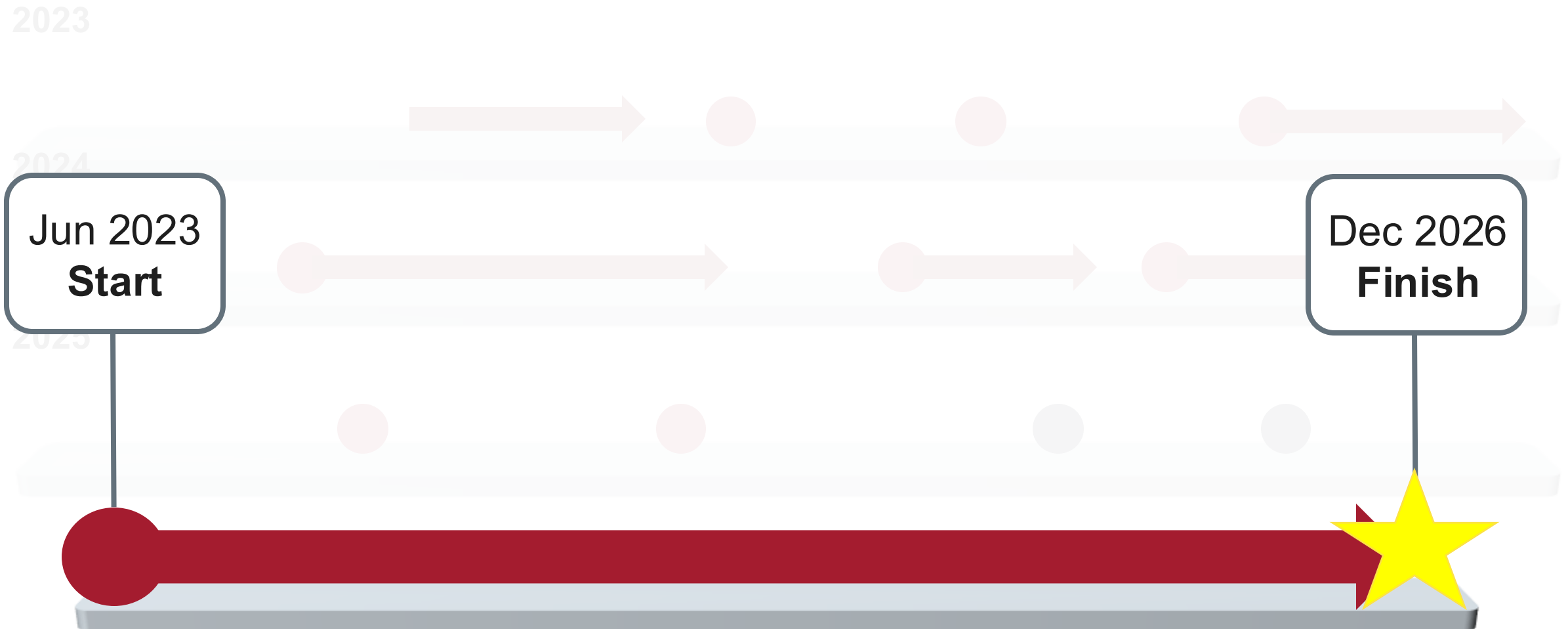
Building a Solution: Timeline



Building a Solution: Timeline

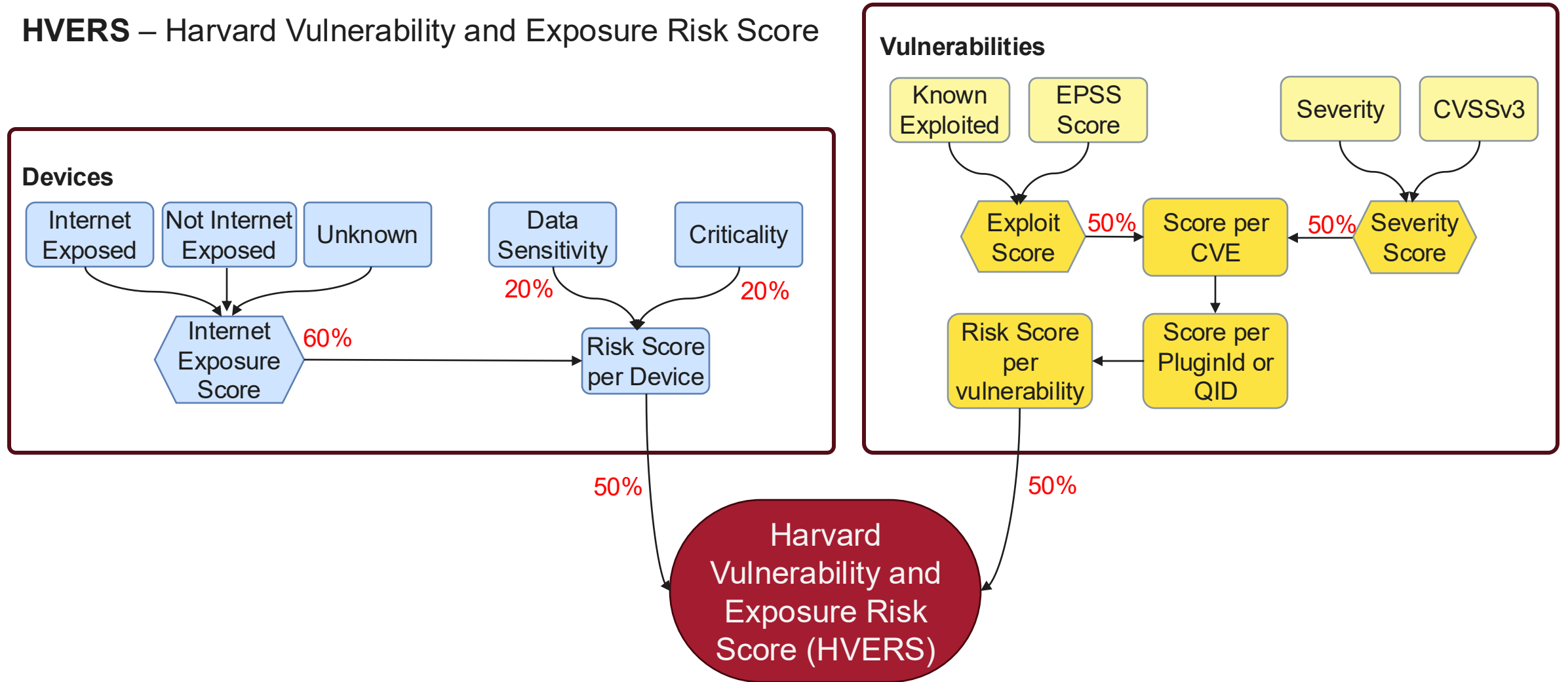


Building a Solution: Timeline



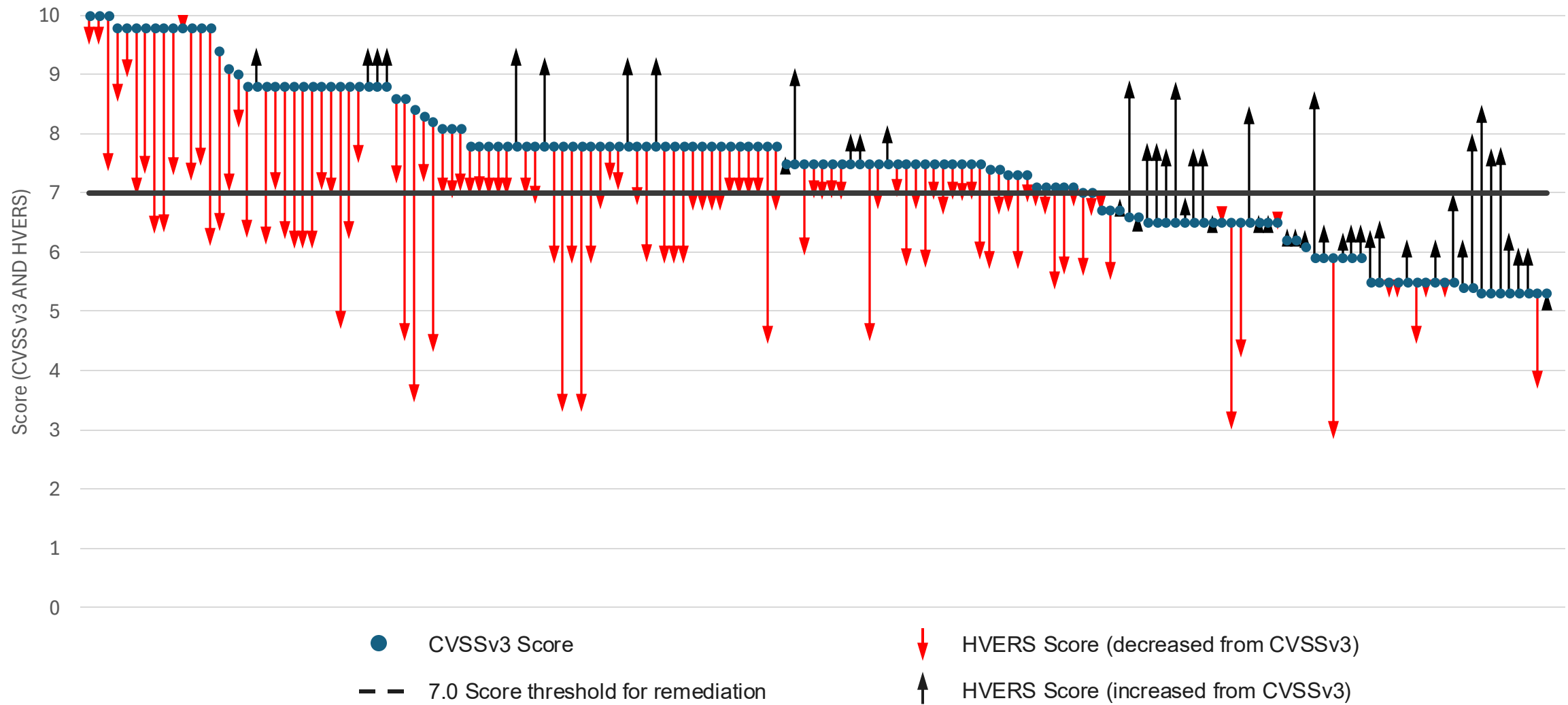
Building a Solution: Calculating HVERS

HVERS – Harvard Vulnerability and Exposure Risk Score



Building a Solution: HVERS v. CVSS (version 3)

CVSS v3 and HVERS for most prevalent plugins with CVSS v3 score 5.0+



How the Solution Works: Demo

We'll cover the following solution components as part of our demo today:

1. Data flow from adapters: Tenable, AWS, Azure, VMWare
2. Dashboard for SMVP Compliance (Security Minimal Viable Product)
3. Dissecting device data, tag values and tag compliance
4. Enforcement Center Action Device Score
5. Vulnerabilities Table
6. Enforcement Center Action Vulnerabilities Score
7. Vulnerabilities Instance Table
8. Enforcement Center Action HVERS score
9. Enforcement Center Action for SNOW/Jira ticket generation
10. Enforcement Center Action for ticket update / Query for autoremediation
11. Exceptions, false positives
12. HVERS Dashboard

Axonius Dashboard

My Dashboard

Public

UWVM

On-Boarded Schools Status

☐ Risk Based Vulnerability ...

 School Status Dashboard

UVWM HVERS

Vulnerability Tickets

▼ HUIT

HUIT Security Requiremen...

Tagging Status for HUIT

📁 Demo

 Axonius Dashboard

Shared

🔍 All Vulnerabilities

⌘ HVERS - Vulnerabilities

System Lifecycle



Cycle	2025-05-17 19:00:00 - 2025-05-17 21:00:31
Duration	02:00:31
Next Cycle	2025-05-18 19:00:00

Discovery Log

	Latest Discoveries	Started	Completed	Duration	
▼		May 17, 19:00	May 17, 21:00	2hr31sec	⋮
▼		May 16, 19:00	May 16, 21:00	2hr36sec	⋮
▼		May 15, 19:00	May 15, 21:10	2hr 10min 10sec	⋮
▼		May 14, 19:00	May 14, 21:02	2hr 2min 6sec	⋮
▼		May 13, 19:00	May 13, 21:05	2hr 5min 2sec	⋮

Adapter Connections Status

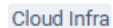
	Opsview	1
	CSV	3
	CrowdStrike Falcon Dis...	1
	Druva Cloud Platform	1
	Amazon Web Services ...	11
	Atlassian (formerly Atla...	2
	Axonius Users	1
	Checkmarx SAST	1
Total 33		5 1 7

Device Discovery

 CrowdStrike Falcon	35,238 (36,258)
 ServiceNow	18,159 (18,280)
 Microsoft Active Directory (AD)	15,194 (15,269)
 Microsoft Endpoint Configuration Manager (MECM) (formerly SCCM)	11,558 (11,640)

User Discovery

	Microsoft Active Directory (AD)	139,481 (140,266)
	Atlassian (formerly Atlassian Jira Software)	126,860 (126,971)
	Jamf Pro	10,427
	Amazon Web Services (AWS)	2,227 (2,233)



Search Settings

Adapter Profile

Adapter Fetch History

Advanced Settings

Adapter Configuration

Advanced Configuration

Ingestion Rules Configuration

Discovery Configuration

Adapter Profile

 If the source for an adapter connection is only accessible by an internal network, you must set the relevant Gateway Connection as part of the Adapter Connection settings.

Description

[Learn More](#)

Run Adapter Cleanup

Amazon Web Services (AWS) includes a broad set of global cloud based products. It supports EC2, ECS, EKS, IAM, EBS, ELB, RDS, S3, FSx, VPC, Workspaces, Lambda and Route 53

Asset Type

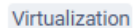
[Devices](#)
[Users](#)
[Vulnerabilities](#)
[Software](#)
[Roles](#)
[Groups](#)
[Cloud Security Exposures](#)
[Compute Services](#)
[Application Services](#)
[Networks](#)
[Load Balancers](#)
[Databases](#)
[Containers](#)
[Object Storage](#)

[Network Services](#)
[File Systems](#)
[Accounts/Tenants](#)
[Serverless Functions](#)
[Disks](#)
[Compute Images](#)
[Secrets](#)
[Certificates](#)
[Network/Firewall Rules](#)
[Alerts/Incidents](#)
[Configurations](#)

 Search

All Connections 11

☐	Connection Status	Connection Label	Connection ID	Gateway Name	AWS Access Key ID	Proxy	Use instance profile (attached role)
☐	Successfully connected						No
☐	Successfully connected						Yes
☐	Successfully connected						Yes
☐	Successfully connected						Yes
☐	Successfully connected						Yes
☐	Successfully connected						Yes
☐	Successfully connected						Yes
☐	Successfully connected						No
☐	Successfully connected						No



Search Settings

Adapter Profile

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Adapter Configuration

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Adapter Profile

i If the source for an adapter connection is only accessible by an internal network, you must set the relevant Gateway Connection as part of the Adapter Connection settings.

Description

[? Learn More](#)

Run Adapter Cleanup

VMware ESXi is an enterprise-class, type-1 hypervisor for deploying and serving virtual computers. VMware vSphere is VMware's cloud computing virtualization platform.

Asset Type

[📁 Devices](#) [👤 Users](#) [🖥️ Compute Services](#) [☁️ Compute Images](#)

 Search

All Connections 12

[illegible]

Add Connection ?



Connection Configuration

Advanced Configuration

Host

User

Password

☐ Verify SSL

vCenter REST API URL optional

Connection Label

Add Note (max 50 characters)

Select Gateway optional

Select Gateway ▾

☒ Active connection

Check Network Connectivity

Save

Save and Fetch

ection is only accessible by an internal ne

type-1 hypervisor for deploying and servi

ces Compute Images

Connection Label	Connection ID
------------------	---------------

MWare-HUIT	65eb6233831382f1
------------	------------------

Assets Queries

 Search

 Devices

📱	Devices	59,437
---	---------	--------

Vulnerabilities 30,227

 Compute Services 615

Databases 682

Containers	4,184
--	-------

 **Serverless Functions** 3,393

 [Compute Images](#) 40,310

Configurations 0

 Users 241,121

 Users 241,121

 Groups 24,393

 Roles 29,110

	Organizational Units	3,666
---	----------------------	-------

Accounts/Tenants 2

Saved Queries >

New Query

Save As

Reset

Display by Date

🔍 Search for assets or saved queries

Wizard

Basic

Query Wizard

Total 59,433

 Refine Data

 Edit Table

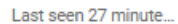
 Export CSV

+ Create New Asset

Adapter Connections										Asset Unique ID	Last Scanned	Last Seen	As
☐	▼	                                  											

Results per page: 20 50 100

<< < 1 2 3 4 5 6 7 > >>



 Search

All Fields

 Aggregated Fields Preferred Fields Tags

> Tables

▼ Adapter Connections

 Amazon Web Services (AWS...)

 CrowdStrike Falcon - CS Falc...

 EC: Artifacts LogicMonitor - LogicMonitor

Orca Cloud Visibility Platfor...

A Red Hat Automation Controll...

- Red Hat Satellite - RHEL Sate...

 Tenable Nessus - Nessus Ma...

 Tenable.sc (SecurityCenter) -...

- Wiz.io - Harvard-Wiz-PoV

 Vietnam Data

All Fields

 Search

Adapter Connections

Reset

Total 546

 [Edit Table](#)

Field Name	Value	Adapter Connections
Asset Unique ID	c2fd3fb0b7c62353212ea651d83d3115	
Asset Unique ID History	New Asset Unique ID: 9f50b1ea7b2de862ba5da2a9... Change Time: 2024-06-14 15:05:40 Change Reason: Asset Unlink Change Details: The +9	
Asset Short Unique ID	3271376816	
Asset Name		    +4
Host Name		    +4
Internal Axon Hash	0f7be3e087a11d6f9f81bb57739febcd 84c2d1b7ace4bc4780926e0845600232 +7	    +4
Description	imported Automatically discovered	 
First Seen	2018-06-18 13:28:36 (2525 Days)	    +2
Last Seen	2025-05-17 21:08:32 (0 Days)	    +3
Is Latest Last Seen (per adapter)	Yes	    +3
Last Seen (agents)	2025-05-17 20:24:27 (0 Days) 2025-05-17 18:35:08 (0 Days) +1	 
Fetch Time	2025-05-17 21:11:17 (0 Days)	    +4
From Last Fetch	Yes	    +4
Not Fetched Count	0	    +4
First Fetch Time	2024-06-15 14:26:10 (336 Days)	    +4
Public IPs		
Open Ports	Protocol: TCP Port Number: 22 +11	
Network Interfaces		    +3
OS: Type	 Linux	    +2

Results per page: 20 50 100

Dashboards

Add Dashboard

SMVP Compliance Status

Filter

Add Chart

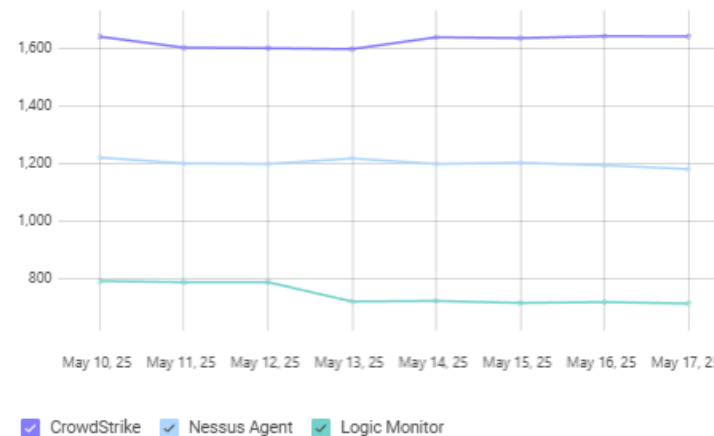
☆ ⋮

SMVP Compliance Status

Total Devices	1,935	↓ -13 (-0.67%)
CrowdStrike	1,640	↑ 1 (0.06%)
SplunkForwarder	1,466	↑ 32 (2.23%)
Tenable Nessus	1,255	↓ -89 (-6.62%)
Logic Monitor Status	716	↓ -74 (-9.37%)
↓ 143 (-2%) since 7 days ago		

10/page 1 / 1 < >

SMVP Compliance Status Trend

☒ CrowdStrike ☒ Nessus Agent ☒ Logic Monitor

Date range: May 10, 2025 - May 17, 2025

SplunkForwarder Agent Status

Agent Installed	1,466	↑ 32 (2.23%)
Agent Missing	469	↓ -45 (-8.75%)

↓ 13 (-0.67%) since 7 days ago

10/page 1 / 1 < >

Nessus Agent Status (status' overlap)

Valid Agents	1,174	↓ -1 (-0.09%)
Agent Missing	680	↑ 76 (12.58%)
Not Online	79	↓ -46 (-36.8%)
Not Scanned in last 5 days	53	↓ -165 (-75.69%)
No Agent Group	46	↑ 1 (2.22%)

↓ 135 (-6.23%) since 7 days ago

10/page 1 / 1 < >

CrowdStrike Agent Status

Agents Installed	1,640	↑ 1 (0.06%)
Agents Missing	295	↓ -14 (-4.53%)
Agents with Issues	216	↑ 16 (8%)
Agents Not Seen in 48H	34	↑ 29 (580%)

↑ 32 (+1.49%) since 7 days ago

10/page 1 / 1 < >

CrowdStrike Issues

Not Seen in 48H	214	↑ 14 (7%)
Not Provisioned	163	↑ 6 (3.82%)
Reduced Functionality Mode	84	↑ 15 (21.74%)
Sensor Update Policy Disabled	44	↑ 1 (2.33%)

↑ 36 (+7.68%) since 7 days ago

10/page 1 / 1 < >

Assets Queries

 Search

Compute

📱	Devices	59,437
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 Vulnerabilities 31,009

 **Compute Services** 615

Databases 682

 Containers	4,184
--	-------

 [Serverless Functions](#) 3,393

 [Compute Images](#) 40,310

Configurations 0

Identity

 Users 241,121

 Groups 24,393

 Roles 29,110

	Organizational Units	3,666
---	----------------------	-------

Accounts/Tenants 2

New Query

Save As

Reset

EC Actions ▾

Display by Date

Wizard

Basic

Q (((QueryID=67af5bcf39e758bbc2e82605))) and (("adapters_data.gui.custom_internet_facing" == ("{\$exists":true,\$ne":null}))) and ("specific_data.data.axonius_risk_score" > 0)

Query Wizard

Total 1,101

 Refine Data

 Edit Table

 Export CSV

[+ Create New Asset](#)

☐	Preferred OS: Type and Distribution	☐	Axonius Risk Score	☐	 Criticality_Tag	☐	 Data_Class_Tag	☐	 Internet_facing	☐
☐	▼ Linux Red Hat 8.10		7.00		IMPORTANT		LEVEL4		Yes	
☐	▼ Linux Red Hat 8.10		5.00		IMPORTANT		NONLEVEL4		Yes	
☐	▼ Linux Red Hat 8.10		2.00		NON-CRITICAL		LEVEL4		No	
☐	▼ Linux Red Hat 8.10		2.00		NON-CRITICAL		LEVEL4		No	
☐	▼ Linux Red Hat 8.10		2.00		IMPORTANT		LEVEL4		No	
☐	▼ Linux Red Hat 8.10		5.00		IMPORTANT		NONLEVEL4		Yes	
☐	▼ Windows Server 2019		5.00		NON-CRITICAL		NONLEVEL4		Yes	
☐	▼ Windows Server 2019		5.00		NON-CRITICAL		NONLEVEL4		Yes	
☐	▼ Windows Server 2019		8.00		CRITICAL		NONLEVEL4		Yes	
☐	▼ Windows Server 2019		8.00		CRITICAL		NONLEVEL4		Yes	
☐	▼ Windows Server 2016		5.00		NON-CRITICAL		NONLEVEL4		Yes	
☐	▼ Windows Server 2016		5.00		NON-CRITICAL		NONLEVEL4		Yes	
☐	▼ Windows Server 2016		10.00		CRITICAL		LEVEL4		Yes	
☐	▼ Windows Server 2016		8.00		CRITICAL		NONLEVEL4		Yes	

Results per page: 20 50 100

<< < 1 2 3 4 5 6 7 > >>

Total 7

 Import[illegible]

Results per page: 20 50 100

<< < 1 > >>

Assets Queries

Search

Compute

🖨️ **Devices** 59,437

	Vulnerabilities	31,009
---	-----------------	--------

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Accounts/Tenants 2

Saved Queries >

New Query

Save As

Reset

EC Actions ▾

Display by Date

Wizard

Basic

```
{ "vulnerabilities": "(\"specific_data.data.axonius_risk_score\" > 9)", "devices": "" }
```

Total 443 | Unique Device Count 2,569 | ⌚ Last updated: 2025-05-17 22:35:29 ↻

 Refine Data

 Edit Table

 Export CSV

	Vuln ID		Axonius Risk Score		Device Count		Tenable Vulnerability: Plugin		
	Plugin-157118		9.19		5		CentOS 7 : httpd (RHSA-2022:0143)		Critical
	Plugin-181349		9.40		5		Mozilla Firefox < 117.0.1		High
	Plugin-182134		9.40		5		Mozilla Firefox < 118.0.1		High
	Plugin-187705		9.40		5		Rocky Linux 8 : webkitgtk3 (RLSA-2023:7716)		High
	Plugin-201085		9.55		5		OpenSSL 3.0.0 < 3.0.15 Vulnerability		Critical
	Plugin-201351		9.50		5		Canonical Ubuntu Linux SEoL (16.04.x)		Critical
	Plugin-205456		9.29		5		KB5041160: Windows Server 2022 / Azure Stack HCI 22...		Critical
	Plugin-206897		9.40		5		KB5042881: Windows Server 2022 / Azure Stack HCI 22...		Critical
	Plugin-209245		9.55		5		Oracle MySQL Connectors (October 2024 CPU)		Critical
	Plugin-210866		9.40		5		KB5046616: Windows Server 2022 / Azure Stack HCI 22...		Critical
	Plugin-234293		9.90		5		RHEL 8 : tomcat (RHSA-2025:3683)		Critical
	Plugin-234649		9.05		5		RHEL 7 : postgresql (RHSA-2025:3978)		High
	Plugin-73756		9.50		5		Microsoft SQL Server Unsupported Version Detection (re...		Critical

Results per page: 20 50 100

<< < 1 **2** 3 4 5 > >>

Total 9

 Import

☐	Actions	Enforcement Name	Query Name	Scheduling Type	Last Run Status	Last Run	Next Run
☐	▼ 	RS-V-2C-No_Exploit_Score	EPSS Score Does Not Exist	Every 3 hours	✔ Completed	2025-05-17 20:00:19	2025-05-17 23:00:00
☐	▼ 	RS-V-2A-EPSS	EPSS Score Exists	Every 8 hours	✔ Completed	2025-05-17 20:00:41	2025-05-18 04:00:00
☐	▼ 	RS-V-1C-Severity	Vulnerabilities with no CVSSv3 Score or String	Every 6 hours	✔ Completed	2025-05-17 20:00:26	2025-05-18 02:00:00
☐	▼ 	RS-V-3C-ScannerSeverity	AX - Vulnerability Package - No CVE List	Every 12 hours	✔ Completed	2025-05-17 20:00:18	2025-05-18 08:00:00
☐	▼ 	RS-V-1B-CVSSv3String	Vulnerabilities with no CVSSv3 Score	Every 6 hours	✔ Completed	2025-05-17 20:00:25	2025-05-18 02:00:00
☐	▼ 	RS-V-1A-CVSSv3	Vulnerabilities with CVSSv3 scores	Every 6 hours	ⓘ Partially	2025-05-17 20:00:38	2025-05-18 02:00:00
☐	▼ 	RS-V-2B-VulnCheck	VulnCheck Exists	Every 3 hours	✔ Completed	2025-05-17 20:00:21	2025-05-17 23:00:00
☐	▼ 	RS-V-3B-ScannerScores	AX - Vulnerability Packages	Every 1 days; at 22:45	ⓘ Partially	2025-05-17 18:45:11	2025-05-18 18:45:00
☐	▼ 	RS-V-3A-Severity	CVE Vulnerability Risk Score Scope	Every 1 days; at 22:30	ⓘ Partially	2025-05-17 18:30:34	2025-05-18 18:30:00

Results per page: 20 50 100

<< < 1 > >>

Vulnerability Instances

```
Q ("specific_data.data.mitigated" == false) and (("specific_data.data.axonius_risk_score" == ({"$exists":true,"$ne":null}))) and ('relationship.devices.[6703d2999de43ddb8175ab8e]' in [
```

Total 1,678 | Unique Device Count 557 ⓘ

 Refine Data

 Edit Table

 Export CSV

[+ Create New Asset](#)

☐	Axonius Risk Score	☐	Linked Tickets: Key	☐	Vuln ID	Plugin Name	Mitigated
☐	6.88				Plugin-156103	Apache Log4j 1.2 JMSAppender Remote Code Executio...	No
☐	6.17				Plugin-156860	Apache Log4j 1.x Multiple Vulnerabilities	No
☐	7.25		INC05871762		Plugin-182252	Apache Log4j SEoL (<= 1.x)	No
☐	7.25		INC05871759		Plugin-201488	Red Hat Enterprise Linux SEoL (7.8.x <= x <= 7.9.x)	No
☐	7.20		INC05871765		Plugin-234624	Oracle Java SE Multiple Vulnerabilities (April 2025 CPU)	No
☐	6.78				Plugin-234661	RHEL 7 : kernel (RHSA-2025:3880)	No
☐	5.88				Plugin-156103	Apache Log4j 1.2 JMSAppender Remote Code Executio...	No
☐	6.25				Plugin-182252	Apache Log4j SEoL (<= 1.x)	No
☐	6.20				Plugin-193574	Oracle Java (Apr 2024 CPU)	No
☐	6.25				Plugin-201488	Red Hat Enterprise Linux SEoL (7.8.x <= x <= 7.9.x)	No
☐	6.20				Plugin-234624	Oracle Java SE Multiple Vulnerabilities (April 2025 CPU)	No
☐	6.03				Plugin-234649	RHEL 7 : postgresql (RHSA-2025:3978)	No
☐	5.78				Plugin-234661	RHEL 7 : kernel (RHSA-2025:3880)	No
☐	5.95				Plugin-175434	Veritas NetBackup prior to 10.0 Privilege Escalation (VT...	No

Edit Enforcement Set

All Enforcements

Q RS-I

Enforcement Name

Query

From

→ To

Reset

Total 1

☐	Actions	Enforcement Name	Query Name
☐	▼ 🔗	RS-I-1A-VulnDev	DeviceScope-Onboarded So

Q Select Assets

⚡ Select Action

 [Select Schedule](#)

Enforcement Set Name

 Axonius - Calculate Risk ... 

$\Rightarrow$ Replace Action

Required Fields

* Action name

RS-I-1A-VulnDev

☐ Configure Dynamic Values

Write a statement to add dynamic values to Action fields

Weighted Risk Score

per Vulnerability per Device

Score Calculation

Select the asset types and fields you want to include in the score calculation.

Asset and Field

Weight %

 **Devices**

axonius_risk_score

50

×

Vulnerabilities



axonius_risk_score

50

×

+

Total Percentage: 100%

Results per page:

20

50

100

Advanced options

Save

 Test Run

Save and Run

Create PROD ServiceNow Incident

+ Add Description

Q Vulnerability ServiceNOW Trigger Query

 ServiceNow - Create Incident per Asset

 Axonius - Send Email

+

Daily

Cancel



This query produces the list of vulnerability instances for all onboard schools, only for Plugins and QIDs, with a Axonius Risk Score > than X (see the first line in the query for X)

No tags associated

Query Expression (View Only)

WHERE	(	NOT	ALL	Vuln ID	starts	Plugin	)
AND	(	NOT	ALL	Excluded	yes		)
AND	(	NOT	ALL	Mitigated	yes		)
AND	(	NOT	ALL	Preferred Last Seen	last d...	5	)
AND	(	NOT	ALL	Adapter Connection ...	equals		)
AND	(	NOT	ALL	Linked Tickets	exists		)
AND	(	NOT	ALL	Linked Tickets: Status	in (eq...	Closed +1	)
AND	(	NOT	ALL	Status (Open/Closed)	equals	Closed	)
AND	(	NOT	ALL	Axonius Risk Score	>	6.99	)
AND	(	NOT	RLT	Devices	Has	exists	)
WHERE	(	NOT	ALL	WorkFlow_Assignme...	exists		)
AND	(	NOT	ALL	Saved Query		DeviceScope-Onboarded Schools	)
AND	(	NOT	ALL	Tags	in (eq...	+2	)

Access:



Number

INC05888147

* Customer

Axonius API









Call back number

Location



Contact Type

External System



* Service

Secure Computing > Vulnerability Managem





* Category

Server-based Remediation





External ticket ID

Status

New



Impact

3 - Single group



Urgency

3 - Work not affected



Priority

4 - Normal

Assignment Group







Assigned to



Customer watch list





Email the customer

* Short description

Axonius Vulnerability | PluginID: 235616 | Microsoft Edge (Chromium) < 136.0.3240.64 (CVE-2025-4372)



* Description

Hostname:

IP:

Vulnerability Name: Microsoft Edge (Chromium) < 136.0.3240.64 (CVE-2025-4372)

PluginID: 235616

Plugin Info: <https://www.tenable.com/plugins/nessus/235616>

Harvard Risk Score: 7.2

Severity: High

First Seen: 2025-05-11T06:01:20.000Z

Last Seen: 2025-05-11T06:01:20.000Z

Vulnerability Publication Date: 2025-05-06T16:00:00.000Z

Scan Result: <plugin_output>

Path : C:\Program Files (x86)\Microsoft\Edge\Application

Installed version : 135.0.3179.66

Fixed version : 136.0.3240.64

</plugin_output>

Remediation: Upgrade to Microsoft Edge version 136.0.3240.64 or later.

Disable Notifications ☐

Related Search Results >

Update ServiceNow PROD Incident Status

+ Add Description

Run this Enforcement Set on assets matching the following query

Resolve ServiceNow Ticket

Main Action

 ServiceNow - Update Tickets

Success Actions

 Axonius - Send Email

+

+

Scheduling type

⌚ Custom

Description

No description provided

Tags

No tags associated

Query Expression (View Only)

WHERE	(	NOT	ALL		Linked Tickets: Key	starts	INC
AND	(	NOT	ALL		Linked Tickets: Status	in (eq...	Closed +1
AND	(	NOT	ALL		Mitigated	yes	
OR	(	NOT	ALL		Excluded	yes	
AND	(	NOT	ALL		Vuln ID	starts	Plugin
AND	(	NOT	ALL		Linked Tickets: Creat...	>	2025-04-16

Access:

John Sorel (creator)

Editor

All roles

System Access ▾

 Public - This query will be available to all roles according to the role's preconfigured access permissions.

☐ Share with selected roles within all Data Scopes

Folder

Public Queries

Last Updated

Cancel



[Discover Now](#)

Enforcement Center > Update ServiceNow PROD Incident Status

[View Runs >](#)[Delete Enforcement](#)

Overview



* Enforcement Set name

Update ServiceNow PROD Incident Status

+ Add Description

Run this Enforcement Set on assets matching the following query

Resolve ServiceNow Ticket

Main Action

ServiceNow - Update Tickets

Success Actions

Axonius - Send Email

+

+

Scheduling type

Custom

Main Action: ServiceNow - Update Tickets ?

[Test Connection](#)[Replace Action](#)

Required Fields

Ticket Main Settings

Ticket Additional Settings

Additional Fields

* Action name

Resolve Incident



Configure Dynamic Values

Write a statement to add dynamic values to Action fields



Use stored credentials from ServiceNow adapter

Select Adapter Connection ⓘ

ServiceNow-Prod

*Compute Node

Primary

Cancel

Save

[Test Run](#)

[Save and Run](#)

Lessons Learned

- **Cultural Shift > Technology Change:** New mindset around vulnerability = potential business risk.
- **Clear Risk Language:** Translating technical risk into operational terms for leadership.
- **Piloting is Key:** Start small, scale after success.
- **Data Quality Matters:** Garbage in = garbage out. Asset inventories needed upgrades first
- **Celebrate Wins:** Even small improvements kept momentum.



Lessons Learned: Spotlight on Change Management

1

**Engaged partners
early**

2

**Communicated
with a consistent
message**

3

**Took hands-on
approach to
training and
design workshops**

4

**Leadership
adopted role of
change
champions**

5

**Promoted
feedback loop to
drive continuous
improvement**

Conclusion



- Risk-based vulnerability management (RBVM) EQUALS smarter security
- RBVM is a culture shift, every day is an opportunity to build on risk awareness
- Thank You!
- Open for Questions

Contact Information

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