



Secure by design – Data resilience and recovery

Softcat Summit 2026

Speakers



Ryan Birch

Cyber Tower Sales Lead,
Softcat



James Smare

Proposition Owner
Softcat



Kev Johnson

Staff Technical Marketing
Manager
Rubrik



John Spencer

Sales Engineering Director,
Northern Europe
CrowdStrike

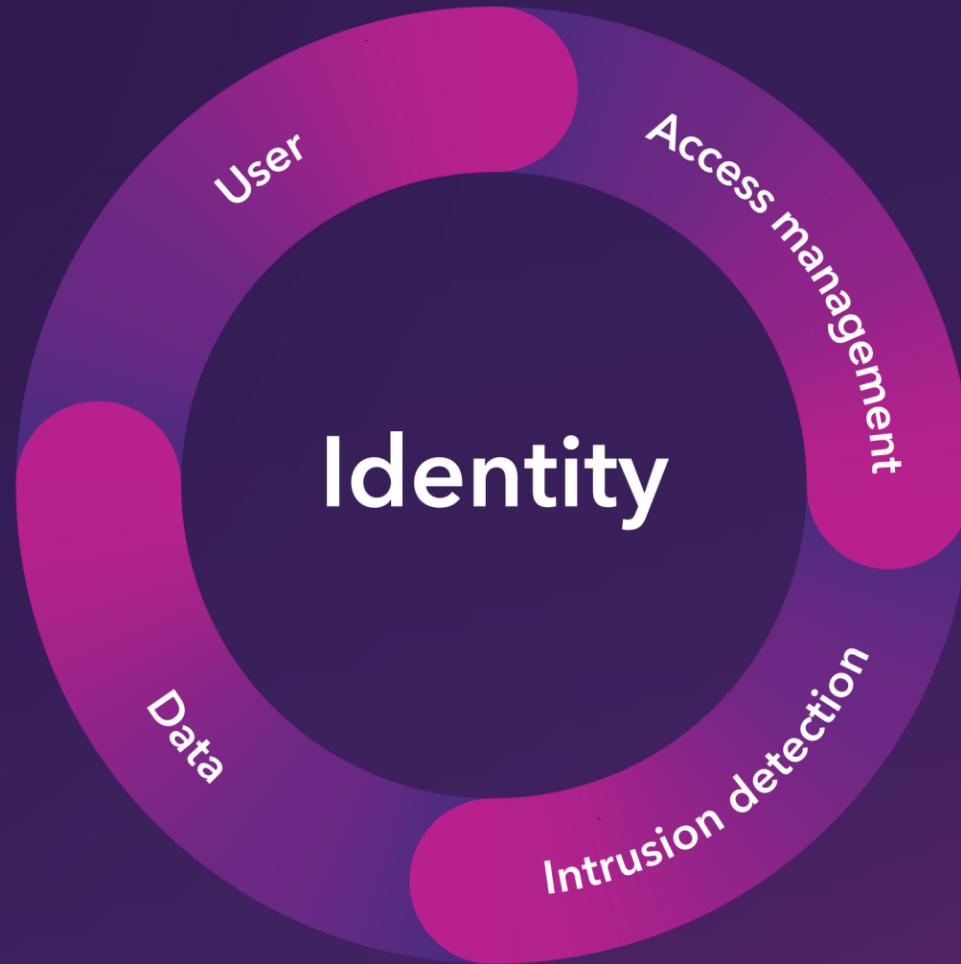
Key pillars of resilience & continuity



AI impact on operational resilience

Operational resilience concept		AI context
Important business services	→	AI-enabled services (decision making, analytics, automation)
Impact tolerances	→	Maximum acceptable model downtime, accuracy loss, or decision delay
Mapping	→	Data pipelines, feature stores, models, APIs, cloud platforms, identities
Severe but plausible scenarios	→	Data poisoning, ransomware, cloud region loss, identity compromise
Response & recovery	→	Restore clean data, models, pipelines and access within tolerance

Identity



Identity

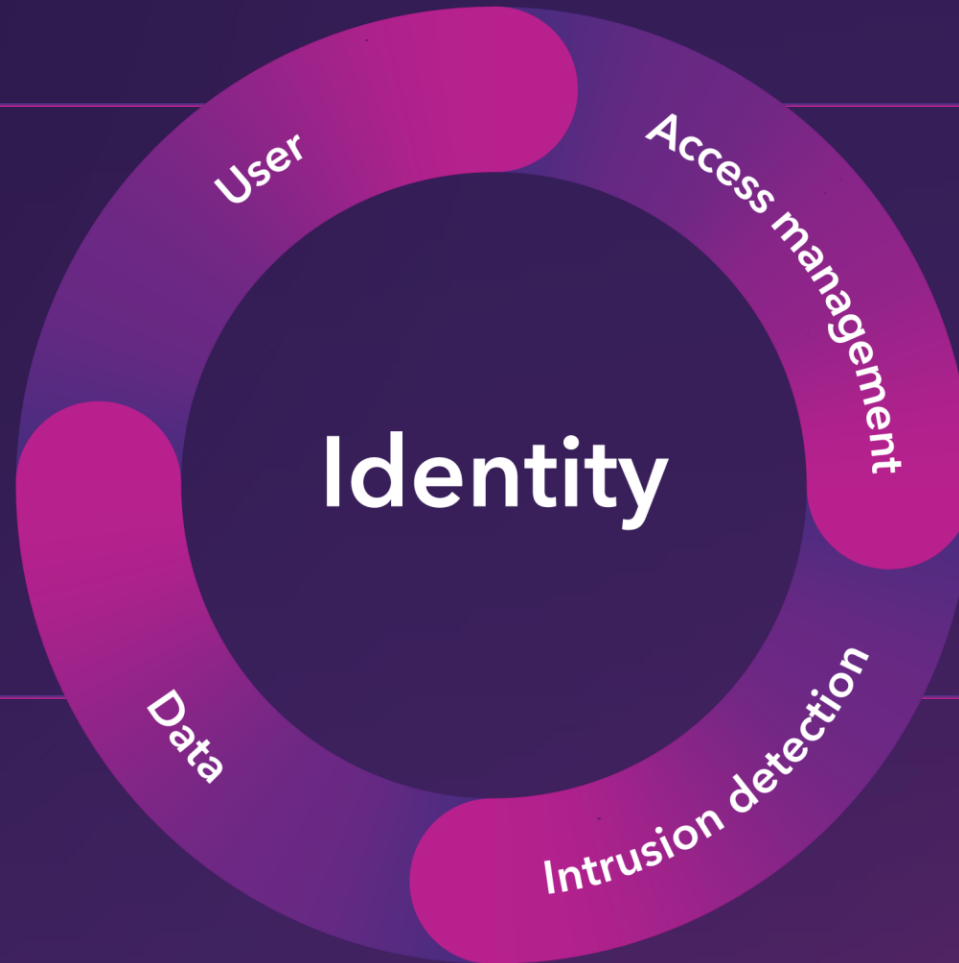
- ◆ Non Human Identities set to be between 50 and 100:1 ratio by end of 2030
- ◆ 68% of cyber incidents in UK in 2025 involved a machine identity



Pain points

"How am I able to get an understanding of the risk to my identities?"

"How am I able to get visibility of data movement and who has access?"



"How am I able to manage what my identities are able to access?"

"How am I able to detect if an identity has been compromised?"

Cyber recovery



Pain points

"If attackers can alter or delete my backups, I have nothing to recover from."

"Even if I can recover, how do I do it quickly and without reintroducing malware?"



"I don't know what's been hit or how far the attack spread."

"We think we can recover, but we've never proven it under fire."



CrowdStrike: John Spencer

Sales Engineering Director, Northern Europe



ADVERSARY DETECTION & RESPONSE



SCATTERED SPIDER



The problem

Ransomware detection/prevention by CrowdStrike

Compromised employee credentials

Persistence via new user account creation with elevated privileges

Detection & Response

- [1] Investigation of detection, AI triage
Process table and tree
- [2] Identity Investigation – who was the source?
New account creation?
- [3] Real-Time Response
Host Containment
Credential / MFA Reset



DETECTION ALERT

Current CrowdScore

Today

0 / 100

Last refreshed: 15:52:20

New detections

1,715

Last refreshed: 15:53:17

SHA-based detections

ff79d3c4a0b7eb191783c323ab836bd1fd10be58d8bcc96b07067743ca81d5	532
4b8d3d6e379d70ccdc7afeb5da7eee7583f6f1405c98c8a452fb17490f4ba7c	402
9f914d42706fe215501044acd85a32d58aaef1419d404fddfa5d3b48f66ccd9f	306
761815301a00d0b3a7bb4959a5004b623c55009ce701c6e867c96f468dc1323a	150
...	...
Total	1,747

Last refreshed: 15:53:16

Prevented malware by host

Last 7 days

DIAL-BEE-USR1	42
DIAL-BEE-USR2	14
Total	56

Last refreshed: 15:53:16

CrowdScore over time



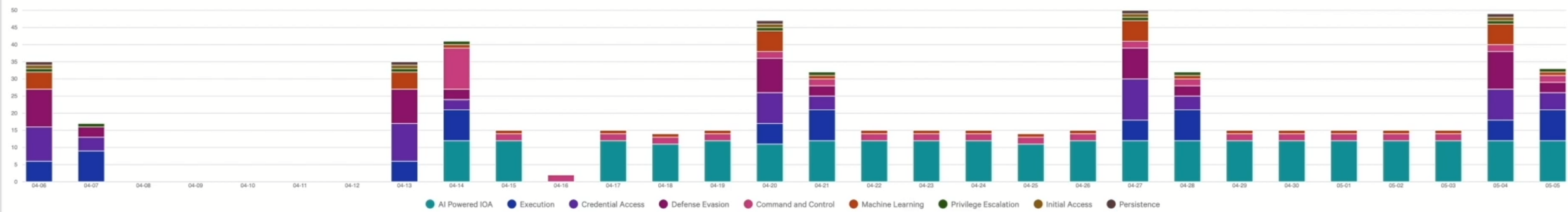
Last refreshed: 15:52:21

Most recent detections

Severity	Tactic & Technique	Time	Host ID	Link
High	AI Powered IOA via Malicious File	May 6, 2026 00:39:24	DIAL-BEE-USR1	See detection
High	AI Powered IOA via User Execution	May 6, 2026 00:39:17	DIAL-BEE-USR1	See detection
High	AI Powered IOA via Malicious File	May 6, 2026 00:38:54	DIAL-BEE-USR1	See detection
High	AI Powered IOA via User Execution	May 6, 2026 00:38:47	DIAL-BEE-USR1	See detection
High	AI Powered IOA via Malicious File	May 6, 2026 00:38:34	DIAL-BEE-USR1	See detection
High	AI Powered IOA via User Execution	May 6, 2026 00:38:27	DIAL-BEE-USR1	See detection

Last refreshed: 15:53:15

Detections by tactics



Last refreshed: 15:53:15



INVESTIGATION

Legend

All entities 0

Highlight by

Stop Screen Recording



IDENTITY

Investigate Hosts

Search ^

- Advanced event search
- Event search
- Scheduled search

Hosts Updated

Users Updated

Hash search Updated

IP addresses Updated

Bulk domains Updated

Search by agent ID New

Search by IP address New

Search by process context New

Data settings New

Hunt ^

- Linux sensors
- Mac sensors
- Detection activity
- Detection resolutions
- Detections details New
- Detections event summary New
- MITRE ATT&CK evaluation New
- Indicator activity
- Command line and ASEP activity
- Executables running from Recycle Bin
- Executables running from temp directories
- Files written to removable media - windows
- Files written to removable media - mac
- Windows account discovery New
- Windows user logon activity New
- Firewall set rules
- Powershell hunt
- Scheduled tasks registered

Timelines ^

- Hosts Updated
- Processes Updated

BIOS ^

Host	Company	Time range
fee4cb6d9948493099703e9c7f083dae	All	Last week
1 host(s) found.		
and admin tools (Windows)	Suspicious file activity	Registry, tasks and firewall
BEE-USR1	DIAL-BEE-UN1	2026-04-29T16:09:26+01:00
		2026-05-06T15:39:13+01:00
		172.170.50/24
		06-BC-D4-B1-F5-F5

Log on type	Log on time	Log off time	Duration
Network	2026-05-05T23:38:16Z	2026-05-05T23:38:37Z	21s
Interactive	2026-05-05T23:38:16Z	--	--
Network	2026-05-04T23:38:14Z	2026-05-04T23:38:35Z	22s
Interactive	2026-05-04T23:38:14Z	--	--
Network	2026-05-03T23:43:32Z	2026-05-03T23:43:54Z	22s
Interactive	2026-05-03T23:43:32Z	--	--
Network	2026-05-02T23:43:32Z	2026-05-02T23:43:53Z	22s
Interactive	2026-05-02T23:43:32Z	--	--
Network	2026-05-01T23:42:44Z	2026-05-01T23:43:06Z	21s
Interactive	2026-05-01T23:42:45Z	--	--
Network	2026-04-30T23:43:09Z	2026-04-30T23:43:31Z	22s
Interactive	2026-04-30T23:43:10Z	--	--
Network	2026-04-29T23:39:45Z	2026-04-29T23:40:07Z	21s
Interactive	2026-04-29T23:39:46Z	--	--

Unique ASEP values updated	Unique browser injected threads	Unique DLL injections
17	0	0
Java injected threads	Unique executables written	Injected thread from unsigned modules



REAL TIME RESPONSE

Hostname	Host ID	Last seen	First seen	Platform	OS version	Type	Local IP	External IP	MAC addr...	Sensor ve...	Host groups	Tags	Last logg...	Asset criti...	Prevention po...	LogScale Coll...	Sensor updat...	Content upda...	Br
DIAL-BEE-US...	937641dd57b...	06-05-2026 1...	01-05-2026 1...	Windows	Windows 10	Workstation	172.17.0.30	206.206.99.8	0a-62-1b-1e-b...	7.36.20805.0	Windows Block	--	demo	Unassigned	Default CWind-01-05-2026 1...	Default Policy-01-05-2026 1...	Default CWind-01-05-2026 1...	Default CailD-01-05-2026 1...	De 01
SE-JSP-W20L...	ea7a065513d1...	06-05-2026 1...	01-05-2026 1...	Windows	Windows Ser...	Server	172.17.0.34	206.206.99.8	0a-fa-c7-e8-e...	7.36.20805.0	--	--	--	Unassigned	Default CWind-01-05-2026 1...	Default Policy-01-05-2026 1...	Default CWind-01-05-2026 1...		
SE-JSP-WINL...	1b3364e2a7f5...	06-05-2026 1...	01-05-2026 1...	Windows	Windows 10	Workstation	172.17.0.29	206.206.99.8	0a-19-c5-0e-...	7.36.20805.0	--	--	--	Unassigned	Default CWind-01-05-2026 1...	Default Policy-01-05-2026 1...	Default CWind-01-05-2026 1...		
SE-JSP-WINL...	6e71f2133d14...	06-05-2026 1...	01-05-2026 1...	Windows	Windows 10	Workstation	172.17.0.26	206.206.99.8	0a-89-c4-7b-...	7.36.20805.0	Test Group	--	--	Unassigned	Default CWind-01-05-2026 1...	Default Policy-01-05-2026 1...	Default CWind-01-05-2026 1...		

- Host group assignment New
- Network contain host
- Lift file system containment
- Host timeline
- Disable detections
- Asset details
- Asset graph
- Host search
- Add grouping tags
- Remove grouping tags
- Connect to host



INVESTIGATION WORKBENCH

Severity	Detect time	Name	Category	Generated by	Hostname	Source IP address	Source host	Destination IP address	Destination host	Tactics & techniques	Assigned to	Status
Today, May 6, 2026												
High	11:38:43	CRWDTOUR-MAY6	Identity, Endpoint	Detection Queue	--	--	--	--	--	Discovery via Domain Ac...	Unassigned	New
Apr. 23, 2026												
High	14:02:32	JS-TESTINCIDENT2	Endpoint	Detection Queue	--	--	--	--	--	Command and Control vL...	Unassigned	New
High	13:53:19	John Spencer TEST	Endpoint	Detection Queue	--	--	--	--	--	AI Powered IOA via Malic...	Unassigned	Closed
Apr. 13, 2026												
Critical	17:48:21	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Apr. 6, 2026												
Critical	17:58:08	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Mar. 30, 2026												
Critical	17:57:56	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Mar. 23, 2026												
Critical	16:52:47	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Mar. 16, 2026												
Critical	16:47:52	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Mar. 9, 2026												
Critical	16:48:03	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Mar. 2, 2026												
Critical	16:57:53	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Feb. 26, 2026												
High	14:27:28	CRWDTOUR-FEB26	Endpoint, Identity	Detection Queue	--	--	--	--	--	AI Powered IOA via User ...	Unassigned	New
Feb. 23, 2026												
Critical	16:48:12	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New
Feb. 16, 2026												
Critical	16:57:56	Persistence via registry key with other generic malware ...	Endpoint	CrowdStrike	--	--	--	--	--	Persistence via Registry ...	Unassigned	New



RECOVERY?



Rubrik: Kev Johnson

Staff Technical Marketing Manager



Activity and Top Actors Pulse

All IdPs

Past 24 hours

114 ↘ -657
Total Actions

19 ↘ -378
Creation

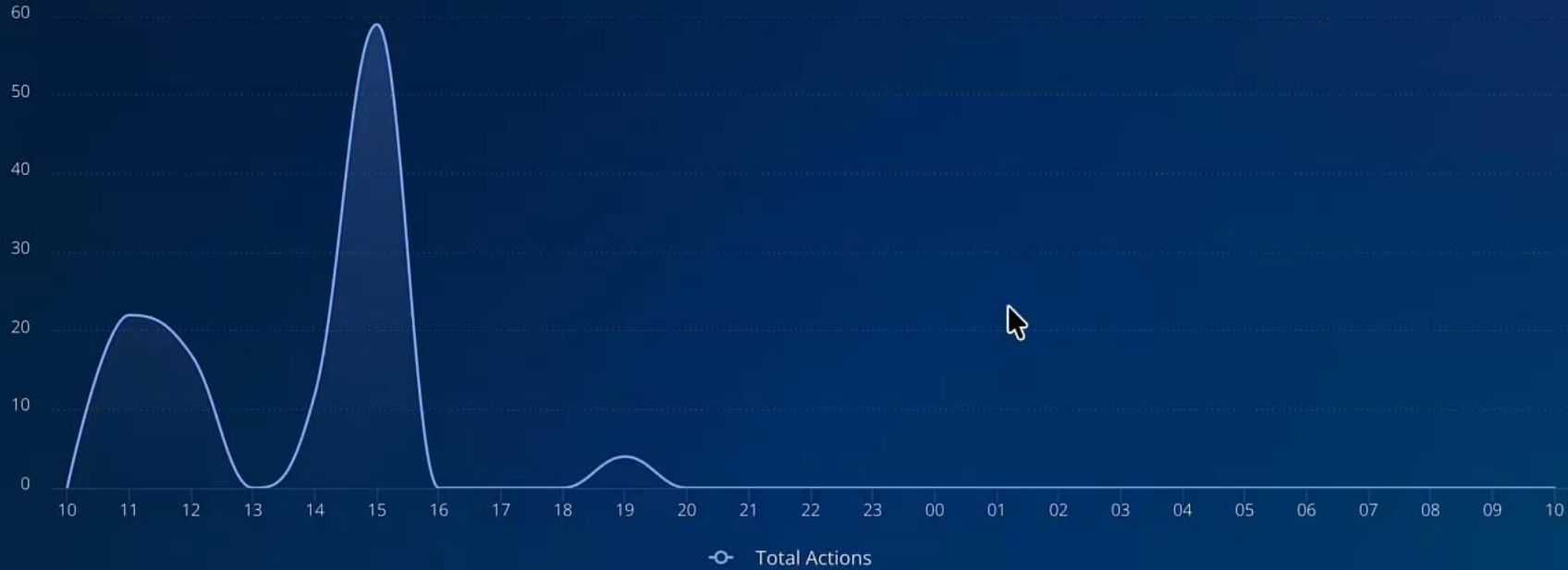
84 ↘ -70
Deletion

8 ↘ -169
Membership Change

3 ↘ -5
Permission Change

0 ↘ -35
Policy Configuration Change

0 — 0
Tenant Settings Change



Top Actors for Selected Type

Identity Display Name	Actions	Change
da.waltz@rubrikdemo....	37	↑ 37
rubrikgaia Entra A...	28	↓ 9
Thomas Waltz DA	19	↓ 102
Microsoft Online Servi...	11	
Microsoft Online Servi...	4	↑ 4

User Lifecycle Actions

All IdPs

Past 24 hours

18 ↘ -360
Total Actions

4 ↘ -110
Users Created

0 — 0
Password Changed

6 ↘ -88
Users Deleted

0 — 0
Users Locked

0 — 0
Users Disabled

8 ↘ -162
Group Changes



**HOW LONG WILL IT TAKE
TO RECOVER?**



CYBER RECOVERY TIMELINE

Business as usual



Investigate

Restore

Validate



WHAT IS CLEAN?



01

**Data Pre-Encryption
or Deletion**



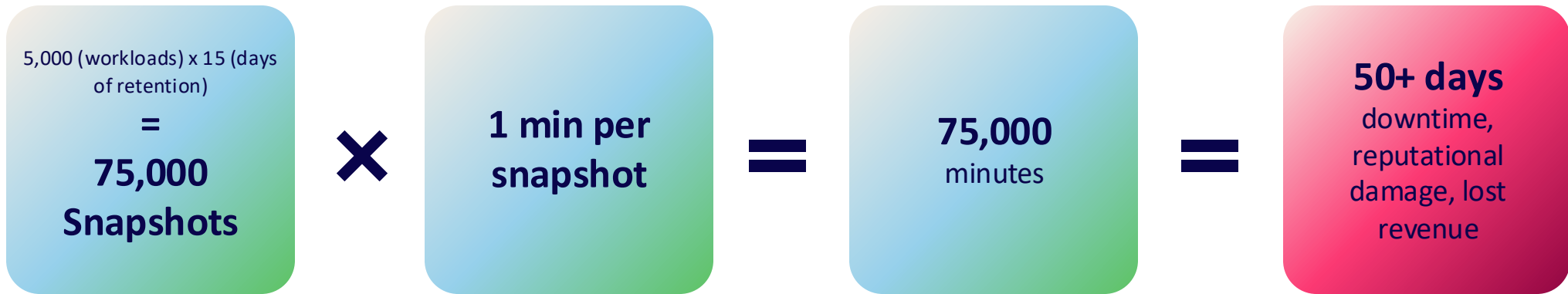
02

**Free From Attacker
Ransomware**



03

**Free From
Attacker Tools**



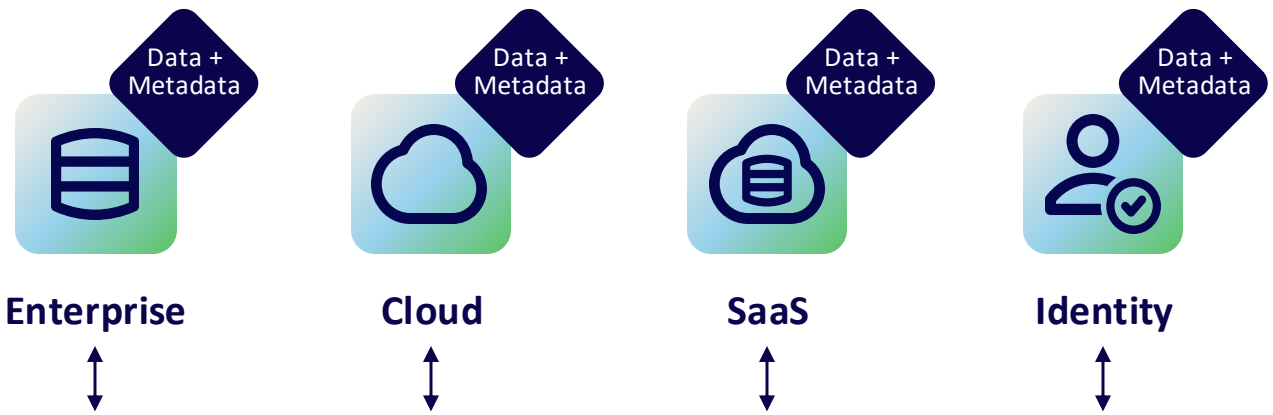
HOW FAST CAN YOU SCAN YOUR BACKUPS?



INTRODUCING

**THE RUBRIK PREEMPTIVE
RECOVERY ENGINE**



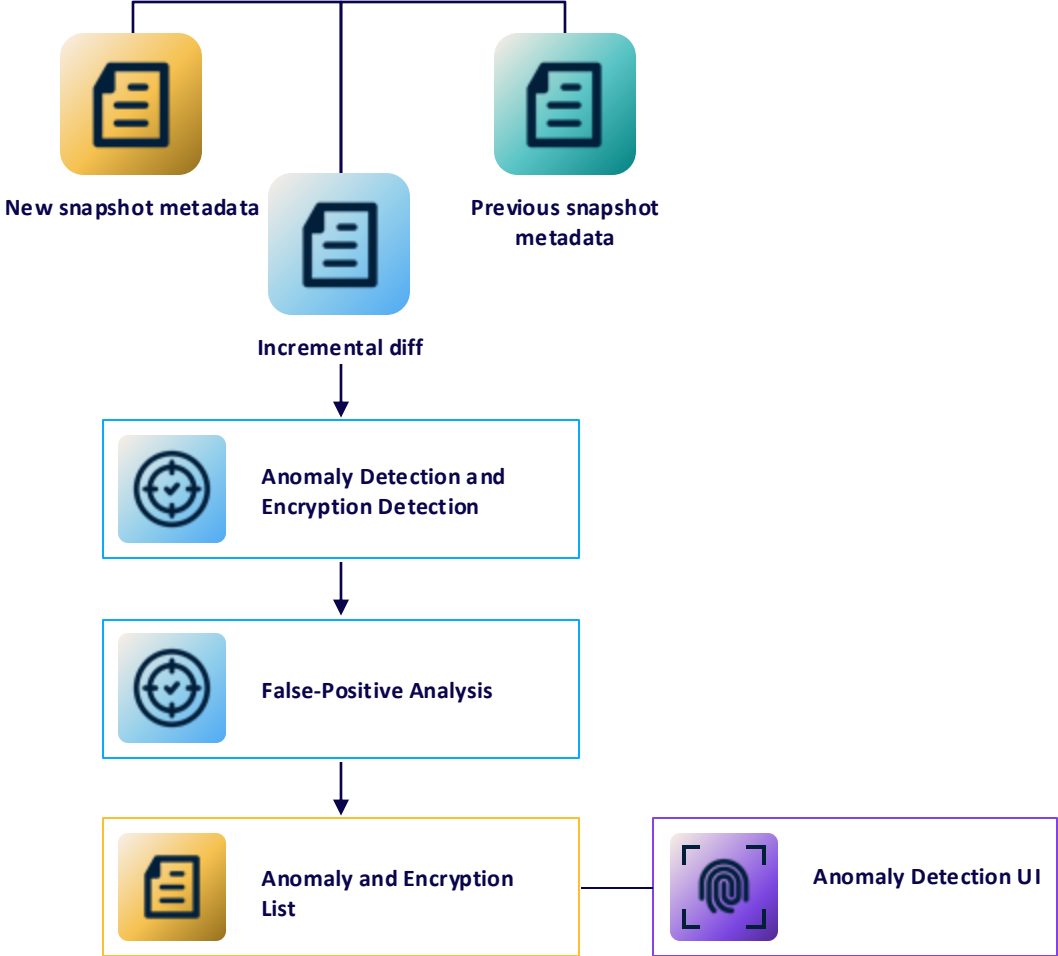


Threat Feed



- | | |
|---|--|
| Identify clean recovery points with pre-computed hashes | Monitor user access and permissions updates |
| Understand sensitive data exposure | Recommend clean recovery points in orchestrated recovery plans |

ANOMALY DETECTION

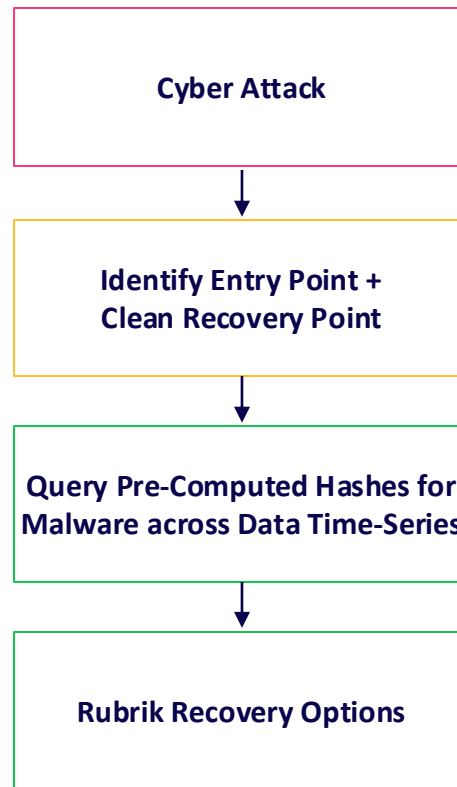


THREAT MONITORING AND HUNTING



TURBO THREAT HUNTING

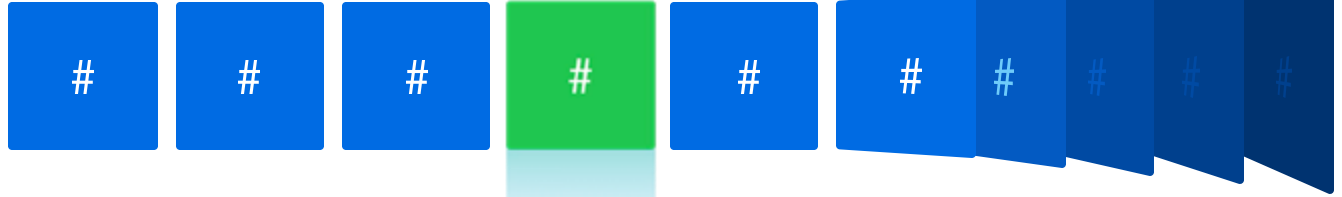
75,000 snapshots scanned in up to 60 seconds!



Preemptive
Recovery
Engine



Clean point in time



Start a Cyber Recovery

Anomaly Detection Outcome

Non-quarantined and non-anomalous

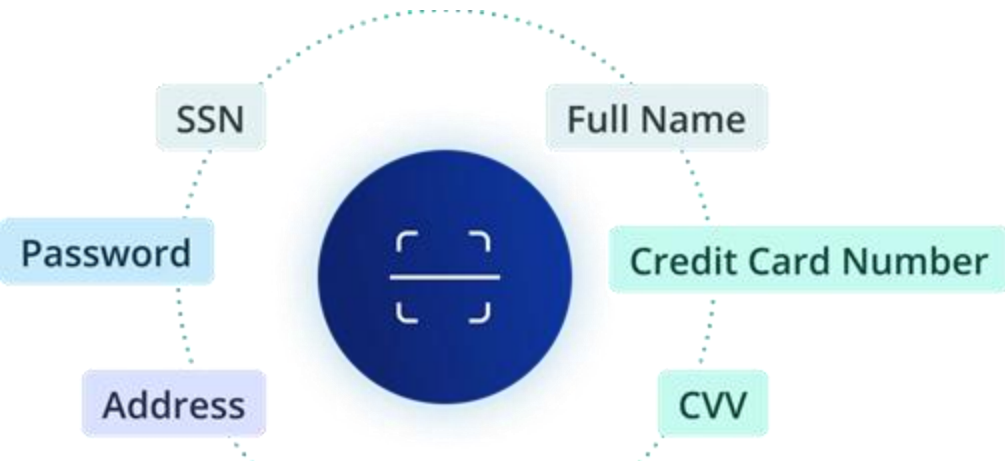
Anomalous

Quarantined

Do not consider

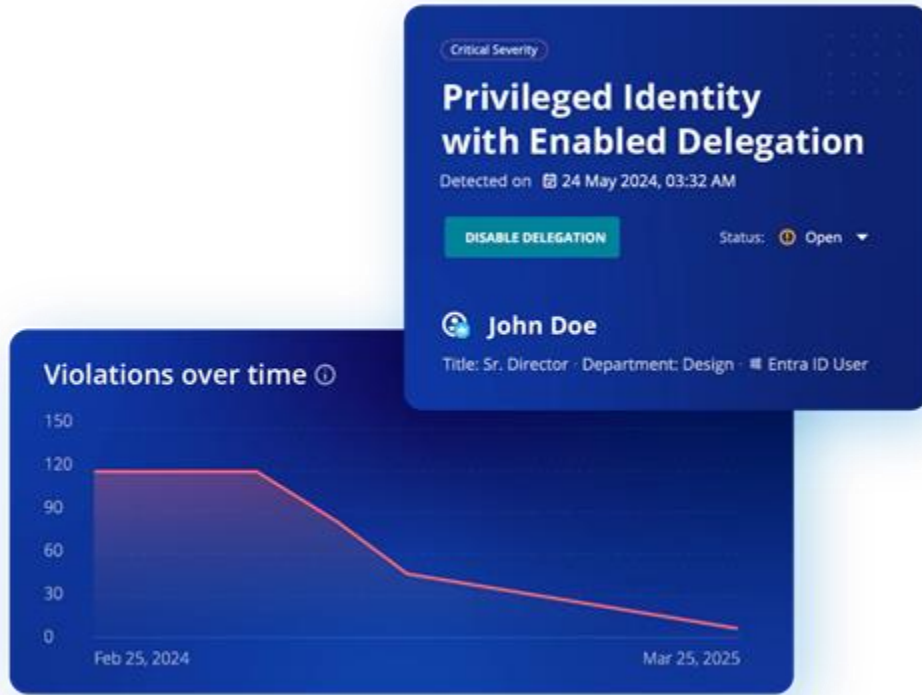
Objects	Selected Snapshot
APP 1	9/12/2024, 1:59 PM
APP 2	9/10/2024, 1:59 PM

SENSITIVE DATA EXPOSURE



A dark blue dashboard with a bar chart at the top. A badge in the top right corner says '5 New Critical Alerts'. Below the chart are two alert cards. The first card, titled 'Sensitive data downloaded by anonymous actor', occurred '1 min ago' and shows 'PCI 81K' and 'Business Data 98K'. The second card, titled 'Excessive file download', occurred '5 min ago' and shows 'PHI 174K', 'PII 160K', and 'Customer Data 191K'. Each alert card has a red warning triangle icon and a small bar chart.

IDENTITY RESILIENCE



Select Objects to Recover

Select the objects you want to recover from the snapshot taken on 05 Dec 5, 2024, 6:00 PM, from the domain controller PDC01.fuji.us

- fuji.us
 - Builtin
 - Domain Controllers
 - EMEA
 - ForeignSecurityPrinciples
 - Fuji
 - Groups
 - No container objects
 - Users**
 - No container objects
 - Keys
 - Manual Service Accounts
 - Program Data
 - System

fuji.us > FUJI > Users

Search by object name

Object	Type	Description
<input checked="" type="checkbox"/> Adams, Cathy	User	User account for Cathy P. Adams
<input type="checkbox"/> Arroyo, Richard	User	User account for Richard A.Arroyo
<input checked="" type="checkbox"/> Bell, Micheal	User	User account for Micheal R Bell
<input checked="" type="checkbox"/> Barun, Marvin	User	User account for Marvin D. Barun
<input checked="" type="checkbox"/> Brown, John	User	User account for Melinda G. Brown
<input type="checkbox"/> Buehler, John	User	User account for John I. Buehler
<input checked="" type="checkbox"/> Burns, Ptrick	User	User account for Patrick R. Burns

1 - 50 of many

MINIMIZING IMPACT OF CYBERATTACKS



MINIMIZING IMPACT OF CYBERATTACKS



WHAT THE
CHUNGAR!?





MONITOR

Full visibility into your agents and their actions with granular app & identity understanding.



VALIDATE & GOVERN

Enforce policies, quantify risk and detect agent errors in real time



REMEDiate

Undo destructive actions to data, apply guardrails, and optimise agent performance.



CONTEXT ENRICHMENT

CARDS



Current CrowdScore ⓘ

Today

0 / 100

Last refreshed: 11:41:38

New detections

1,822

Last refreshed: 11:41:38

SHA-based detections

27d849efb6c5d9d031a356743de848a70fc827623...	720
d7f10571f58adbe122f615b869eb42b05286770148...	668
Total	1,822

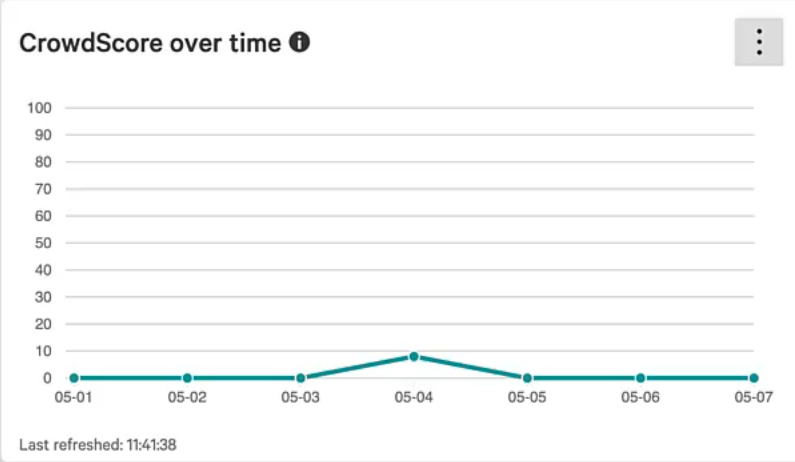
Last refreshed: 11:41:38

Prevented malware by host

Last 7 days

No data found

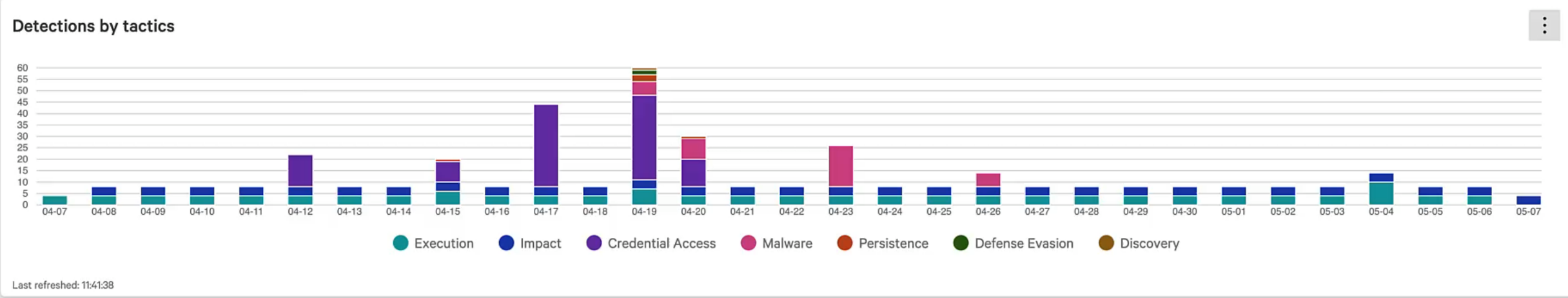
Last refreshed: 11:41:38



Most recent detections

Severity	Tactic & Technique	Time	Host ID	Link
High	Impact via Data Encrypte...	May 7, 2026 02:00:03	SX1-CRWD-W1	See detection
High	Impact via Data Encrypte...	May 7, 2026 02:00:03	SH1-CRWD-W1	See detection
High	Impact via Data Encrypte...	May 7, 2026 02:00:03	SX2-CRWD-W1	See detection

Last refreshed: 11:41:38





NG-SIEM & FUSION SOAR



You will no longer be able to add detections to incidents after incidents are retired on June 8, 2026. Add detections to cases instead.

Detections Automated leads Cases Incidents

29,288 results (29,288 total)

Saved filters Search detections Severity Time Assigned to Status Category Source product Tags Add/remove filters Clear all

Risk score tuning Group by Sort by Time: Newest to oldest

Risk ... Severity Detect ... Name Category Attributes Assign... Resolution Status Vendor Source

Today, May 7, 2026																	
<input type="checkbox"/>	Risk score 72	Severity High	Detect time 02:01:22	Process on host RanSimV2.exe on SX1-CRW...	Category Endpoint	Tactic via tech... Impact via ...	Triggering file RanSimV2...	Hostname SX1-CRWD...	User name Administra...	Tags RSC Threat Hunt	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 72	Severity High	Detect time 02:01:10	Process on host RanSimV2.exe on SH1-CRW...	Category Endpoint	Tactic via tech... Impact via ...	Triggering file RanSimV2...	Hostname SH1-CRW...	User name Administra...	Tags Sensitive Data	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 72	Severity High	Detect time 02:01:08	Process on host RanSimV2.exe on SX2-CRW...	Category Endpoint	Tactic via tech... Impact via ...	Triggering file RanSimV2...	Hostname SX2-CRW...	User name Administra...	Tags --	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 72	Severity High	Detect time 02:01:08	Process on host RanSimV2.exe on SH2-CRW...	Category Endpoint	Tactic via tech... Impact via ...	Triggering file RanSimV2...	Hostname SH2-CRW...	User name Administra...	Tags Sensitive Data	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
May 6, 2026																	
<input type="checkbox"/>	Risk score --	Severity Low	Detect time 14:21:30	Detection name Policy rule match (access)	Category Identity	Verdict from C... Inconclus...	Escalation prio... 178	Account name natasha	Account domain RUBRIKGA...	Source endpo... --	Policy rule name Interactive...	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>
<input type="checkbox"/>	Risk score 10	Severity Informational	Detect time 14:01:08	Process on host RanSimV2.exe on SH2-CRW...	Category Endpoint	Tactic via tech... Execution ...	Triggering file RanSimV2...	Hostname SH2-CRW...	User name Administra...	Tags Sensitive Data	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 10	Severity Informational	Detect time 14:01:08	Process on host RanSimV2.exe on SX1-CRW...	Category Endpoint	Tactic via tech... Execution ...	Triggering file RanSimV2...	Hostname SX1-CRWD...	User name Administra...	Tags RSC Threat Hunt	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 10	Severity Informational	Detect time 14:01:08	Process on host RanSimV2.exe on SH1-CRW...	Category Endpoint	Tactic via tech... Execution ...	Triggering file RanSimV2...	Hostname SH1-CRW...	User name Administra...	Tags Sensitive Data	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 10	Severity Informational	Detect time 14:01:06	Process on host RanSimV2.exe on SX2-CRW...	Category Endpoint	Tactic via tech... Execution ...	Triggering file RanSimV2...	Hostname SX2-CRW...	User name Administra...	Tags --	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 72	Severity High	Detect time 02:01:11	Process on host RanSimV2.exe on SH2-CRW...	Category Endpoint	Tactic via tech... Impact via ...	Triggering file RanSimV2...	Hostname SH2-CRW...	User name Administra...	Tags Sensitive Data	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 72	Severity High	Detect time 02:01:10	Process on host RanSimV2.exe on SX1-CRW...	Category Endpoint	Tactic via tech... Impact via ...	Triggering file RanSimV2...	Hostname SX1-CRWD...	User name Administra...	Tags RSC Threat Hunt	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	
<input type="checkbox"/>	Risk score 72	Severity High	Detect time 02:01:09	Process on host RanSimV2.exe on SX2-CRW...	Category Endpoint	Tactic via tech... Impact via ...	Triggering file RanSimV2...	Hostname SX2-CRW...	User name Administra...	Tags --	Assigned to Unassigned	Resolution --	Status New	Vendor CrowdStrike	Source pro Falcon I	<input type="checkbox"/>	



HOW DO I GET THIS?



Current CrowdScore ⓘ

Today

0 / 100

Last refreshed: 10:22:01

New detections

1,822

Last refreshed: 10:22:01

SHA-based detections

27d849efb6c5d9d031a356743de848a70fc827623...	720
d7f10571f58adbe122f615b869eb42b05286770148...	668
Total	1,822

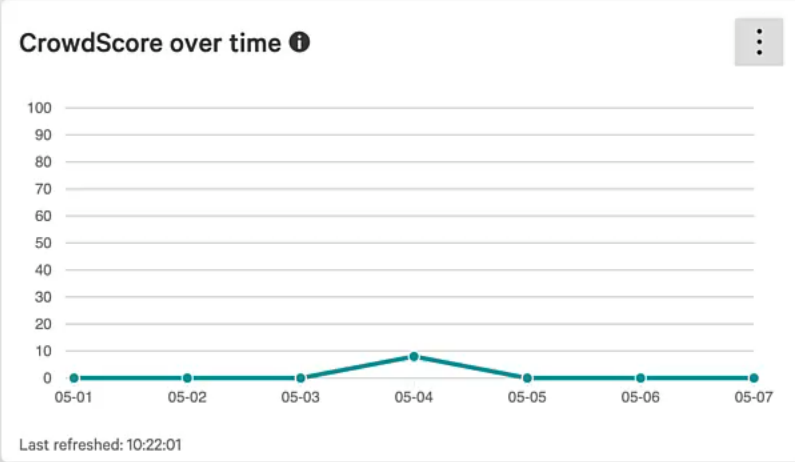
Last refreshed: 10:22:01

Prevented malware by host

Last 7 days

No data found

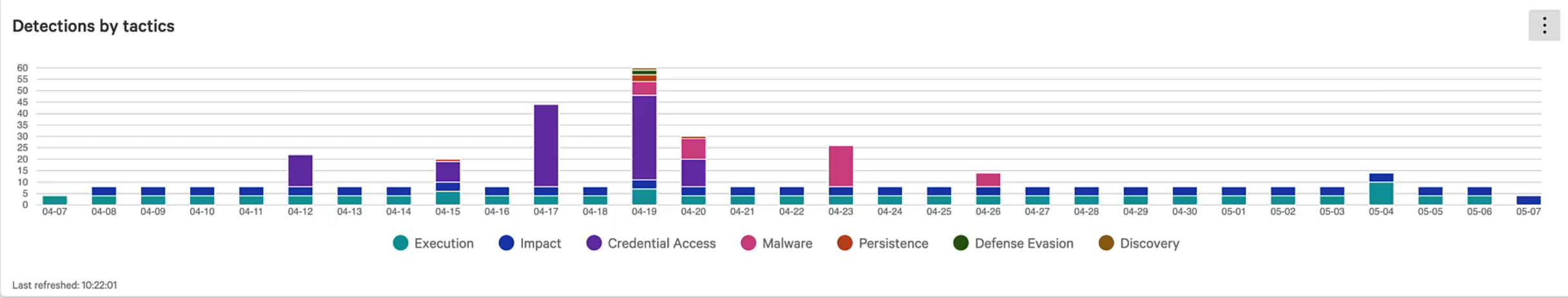
Last refreshed: 10:22:02



Most recent detections

Severity	Tactic & Technique	Time	Host ID	Link
High	Impact via Data Encrypte...	May 7, 2026 02:00:03	SX1-CRWD-W1	See detection
High	Impact via Data Encrypte...	May 7, 2026 02:00:03	SH1-CRWD-W1	See detection
High	Impact via Data Encrypte...	May 7, 2026 02:00:03	SX2-CRWD-W1	See detection

Last refreshed: 10:22:01



Security + IT = resilience



Security

- Threat detection & response
- Identity threat protection
- AI model monitoring

Detect & notify

Cyber threats

- AI-powered attacks
- Data breaches
- Ransomware

Unified response & recovery

IT operations

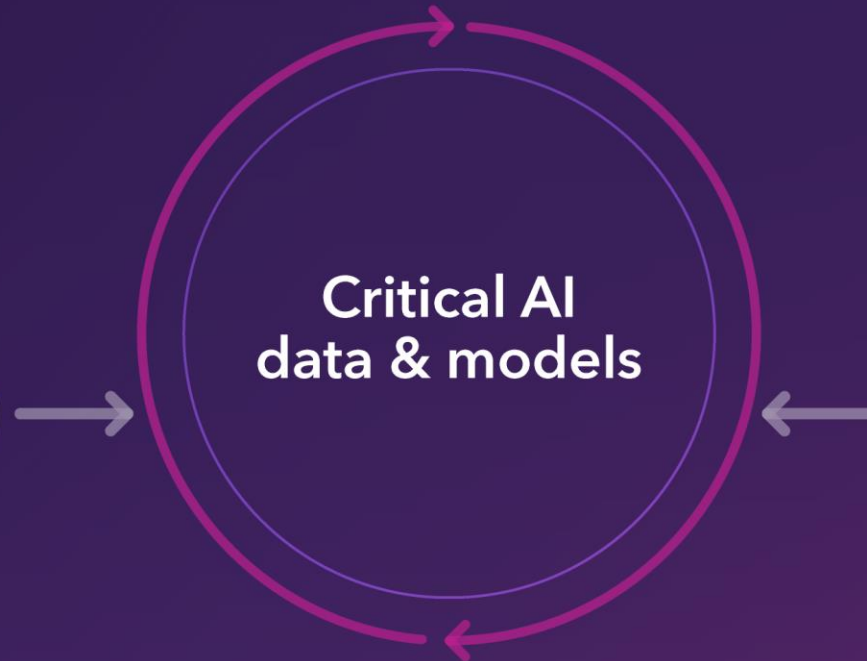
- Data protection & backup
- Clean recovery points
- Secure data restoration

Validate & recover

Recovery options

- Verify clean data
- Restore AI models
- Rollback identity changes

Critical AI
data & models



How Softcat can help

1

Bespoke security workshop: Framing and mitigation of risk and how to ensure clean and fast recovery.

2

Rubrik & CrowdStrike discovery sessions: Displaying the already existing and pre-built integrations available from the CrowdStrike marketplace with your teams.

 SOFTCAT

Thank you