



CimTrak Integrity Suite

Integrity, Trust, and Resiliency Enterprise-Wide

ALL SECURITY ISSUES START WITH A CHANGE



The current environment of great power competition requires our agency to deliver capability to the warfighter with a velocity of action to win. We must evolve our organizational design and operating processes to align with:

1. next-generation capabilities
2. defend against new cyberspace threats
3. increase lethality for our warfighters while ensuring the best value.

Bottom Line: CimTrak Integrity Suite of products can help with all three of these objectives.

CimTrak Solves Critical Issues for Customers



CIMCOR

COVERING TODAY

- ✓ THE PROBLEM WE ARE SOLVING
- ✓ BENEFITS
- ✓ DEMO
- ✓ ZERO TRUST ALIGNMENT
- ✓ HOW THIS FITS THE DISA INITIATIVES
- ✓ NEXT STEPS
- ✓ PROCUREMENT PROCESS & VEHICLES



THE CIMTRAK INTEGRITY SUITE



CimTrak detects and prevents unwanted and unexpected changes (malicious and/or circumvented) in real-time to critical IT infrastructure and provides a path to remediate and roll back to create a trusted, secure, and resilient infrastructure at scale...

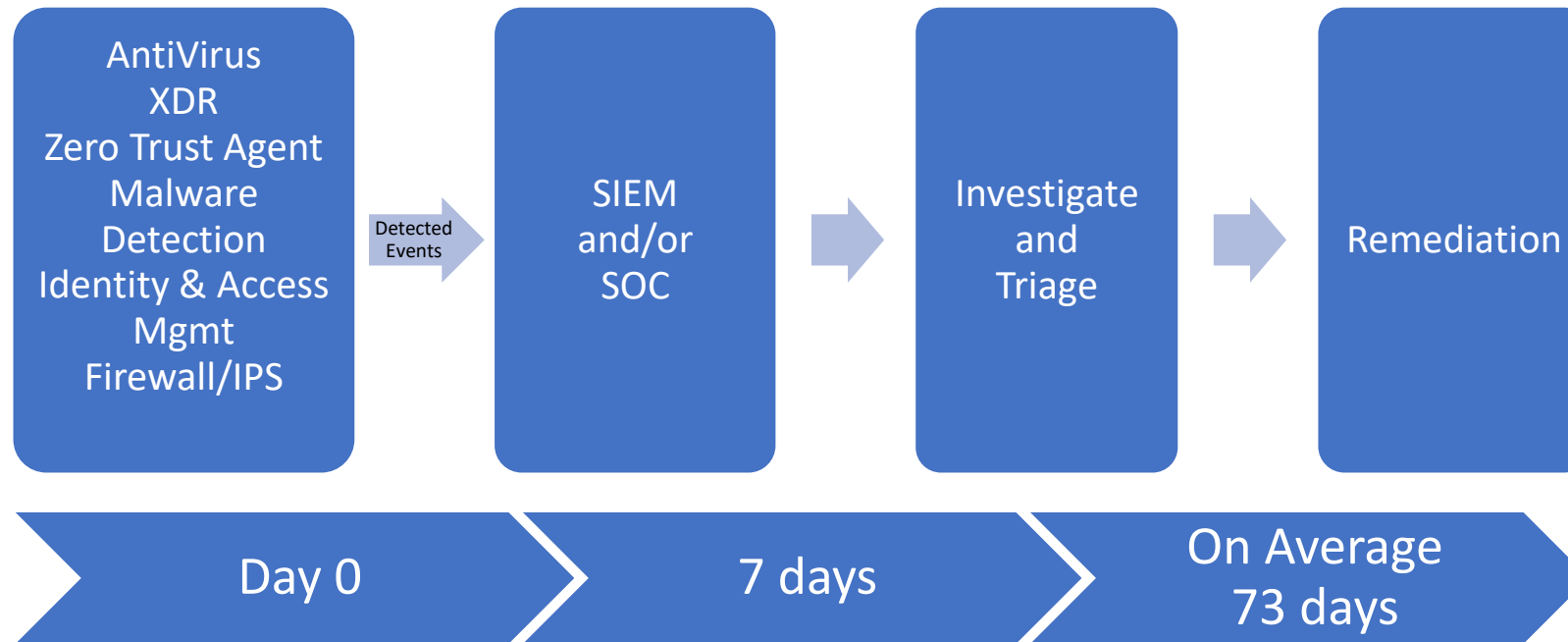
Bottom Line: CimTrak Reduces Dwell Time & Increases Resiliency

- Multiple Patents on Technology
- CDM Approved Products List

Rethinking Secure Patterns & Prioritizing Focus



CIMCOR



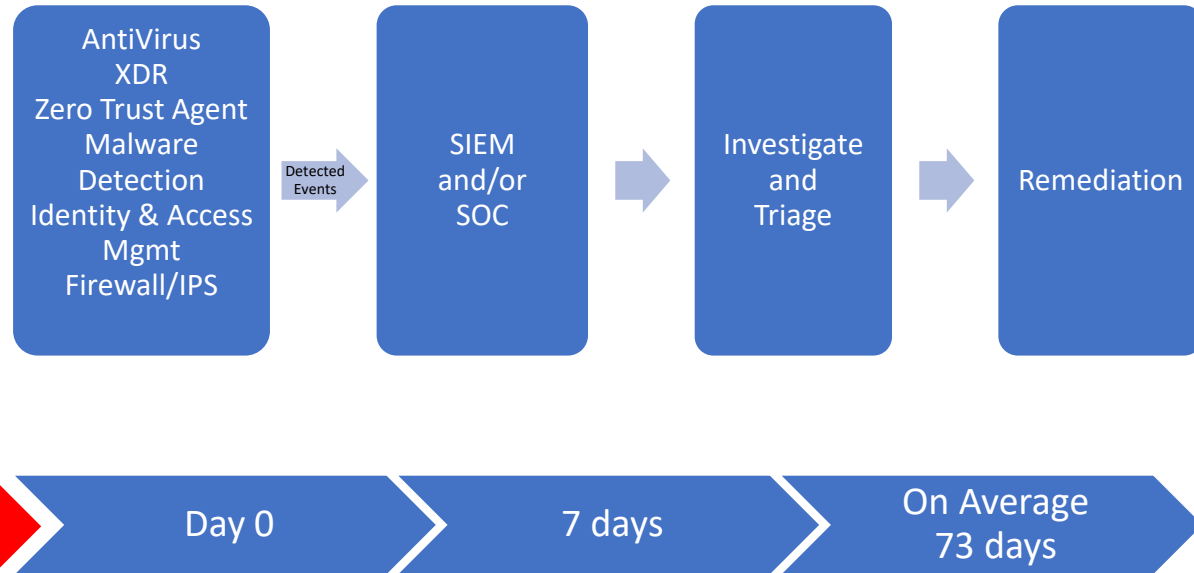
Rethinking Secure Patterns & Prioritizing Focus



CIMCOR

Initial
Breach
or Hack
Event

204 Days Before



Rethinking Secure Patterns & Prioritizing Focus



CIMCOR

Initial
Breach
or Hack
Event

NEFARIOUS DWELL TIME

- Preparation
- Modification
- Privilege Escalation
- Exfiltration

AntiVirus
XDR
Zero Trust Agent
Malware
Detection
Identity & Access
Mgmt
Firewall/IPS

Detected
Events

SIEM
and/or
SOC

Investigate
and
Triage

Remediation

204 Days Before

Day 0

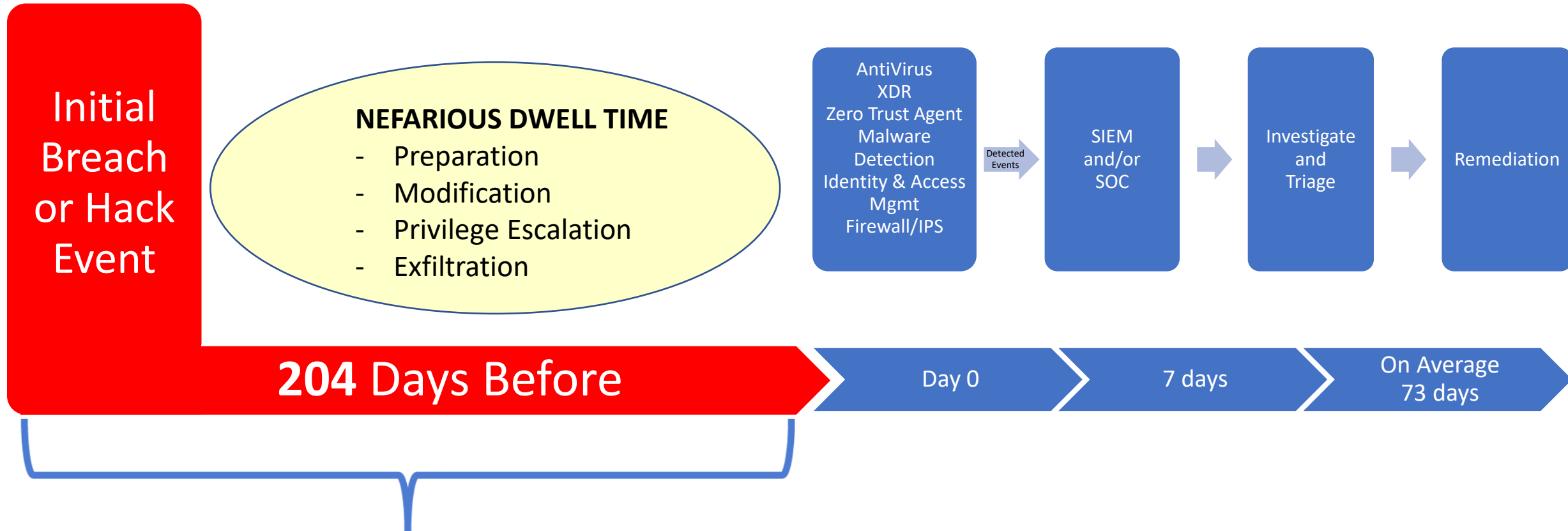
7 days

On Average
73 days

Rethinking Secure Patterns & Prioritizing Focus



CIMCOR



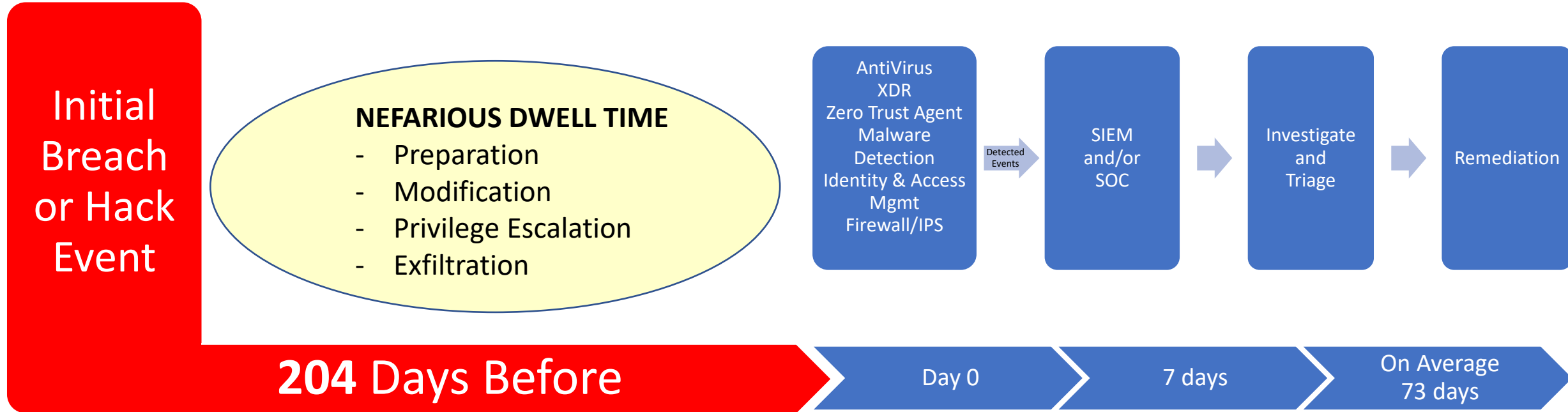
UNDER-REPRESENTED RISK

- Unaddressed
- Unidentified
- Unaccounted

Rethinking Secure Patterns & Prioritizing Focus



CIMCOR

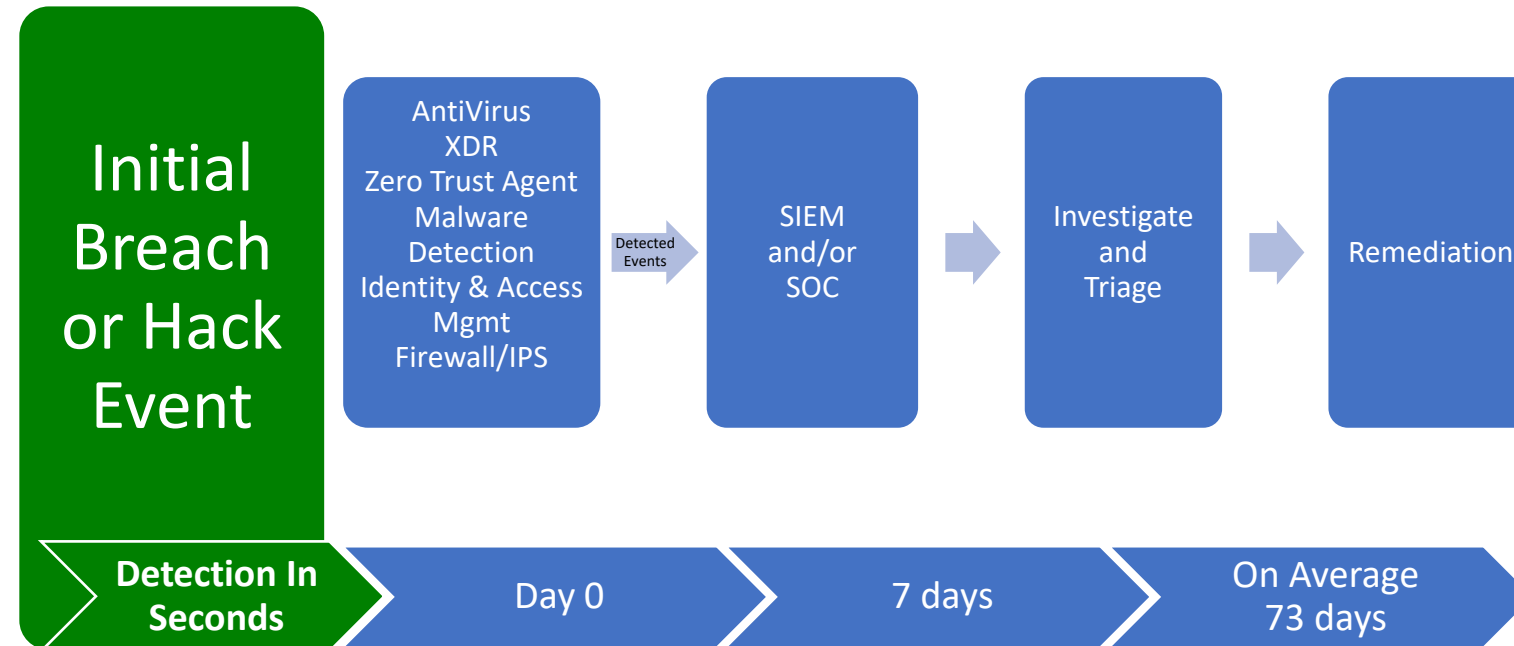


BOTTOM LINE: All of the **Time**, **Energy**, and **Money** invested in these well known, commonly used, enterprise tools **DID NOT** provide the protection and security their customers were expecting.

Rethinking Secure Patterns & Prioritizing Focus



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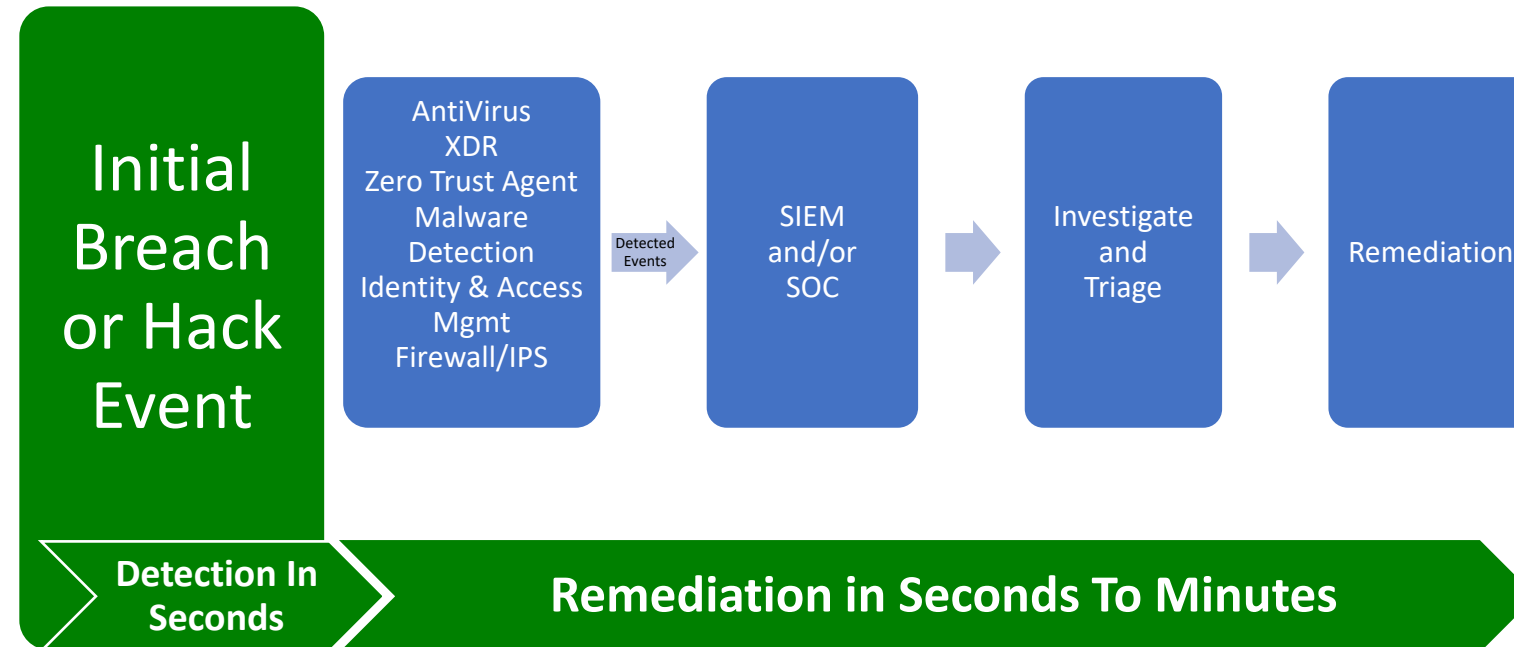


CIMTRAK
INTEGRITY, TRUST & RESILIENCY

Rethinking Secure Patterns & Prioritizing Focus



CIMCOR



CIMTRAK
INTEGRITY, TRUST & RESILIENCY



HOW DOES CIMTRAK ADD VALUE TO THE ENTERPRISE?



CimTrak identifies unauthorized and unexpected changes in seconds.



CimTrak has modes of operation that prevent changes entirely from happening.



CimTrak can immediately remediate & restore changes manually or automatically.



CimTrak's ease of use allows it to be deployed and operational in just an hour.



CimTrak simplifies IT audits by providing forensic evidence for compliance mandates.



CimTrak can scale to the most demanding environments.

- On Prem & In-Cloud

- Example: Zoom Video Communications (Globally)

Why CimTrak Is Vitrally Important



CIMCOR

MGM

Started with social engineering, later deploying ransomware. **Server Monitoring** would have detected the introduction of malicious executables, alerting security teams before encryption and damage occurred

SolarWinds

Hackers injected malicious code into Orion software, impacting over 18,000 customers. **Code monitoring** would have detected unauthorized code changes and alerted administrators before deployment.

As an Orion customer, **Server Monitoring** for unexpected changes would have identified and alerted Security teams that something was going on.

Equifax

This breach exposed 143 million's personal data by exploiting a web app vulnerability that was not fixed. **Configuration Monitoring** would have detected unauthorized changes, notifying Equifax to patch and prevent the massive data theft.

Colonial Pipeline

The attack leveraged ransomware after compromising an unused VPN. **Active Directory Monitoring** would have notified admins to disable the account stopping lateral movement and disrupted fuel delivery from ever happening.

Ukraine Power Grid

Began with spear phishing, installing malware that altered system files. **Monitoring Installed Software & SCADA Monitoring** would have detected unauthorized changes, alerting operators to block the attack before disruption caused over \$200 million in damages

World Class Tools Didn't Help, CimTrak Could...



CRITICAL CAPABILITIES

- ✓ **PROTECT** system from unauthorized changes in real-time
- ✓ **DETECT** malicious and circumvented changes to critical systems immediately
- ✓ **RECOVER** & roll back to previous trusted baselines manually or automatically
- ✓ **ENFORCE** regulatory compliance that requires integrity monitoring (FIM)
- ✓ **REDUCE COST** of security operations & compliance audit preparation, inspection, assessment, & reporting

Use Case Demo

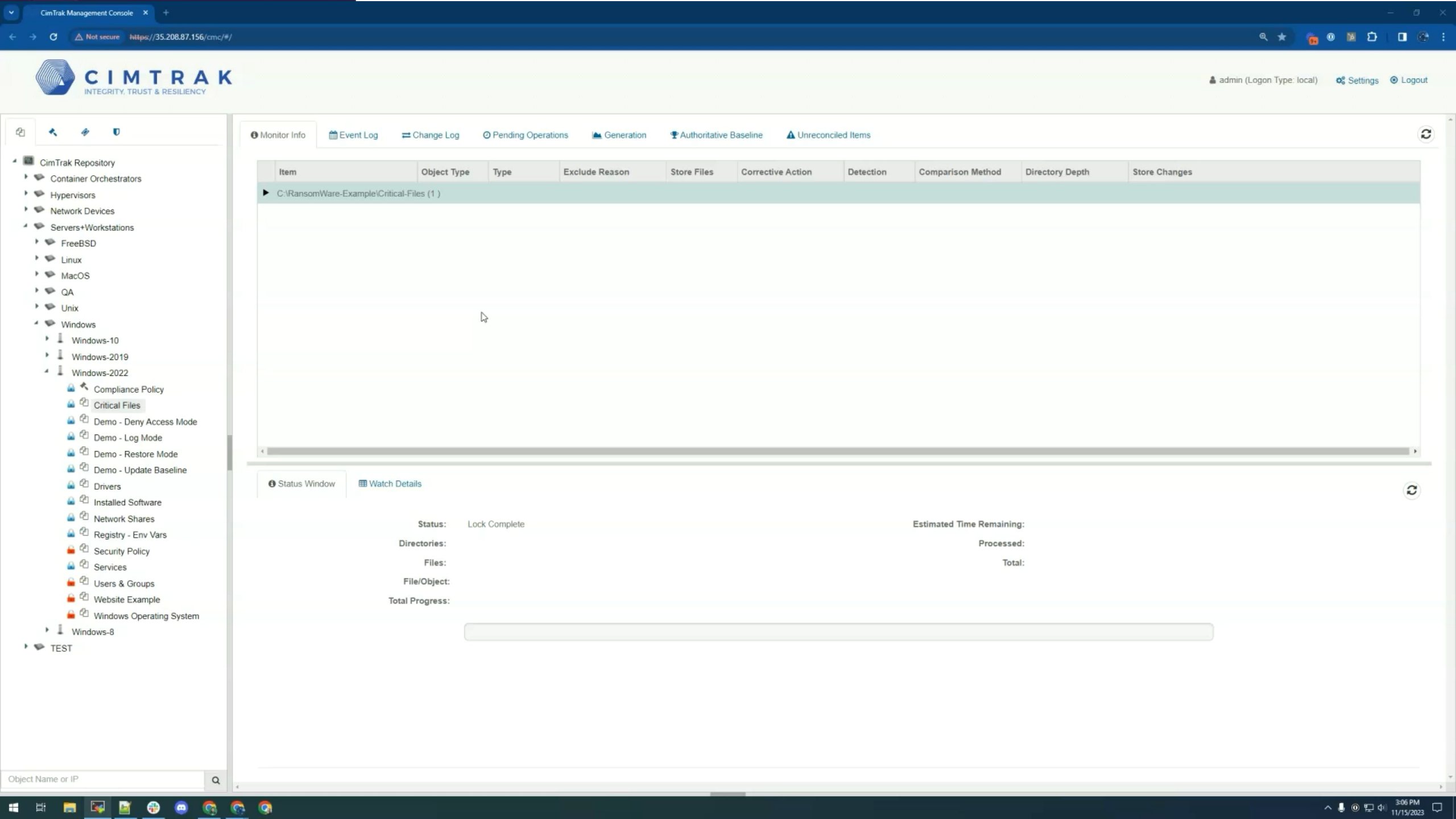
Ransomware

CIMTRAK IS AN EARLY WARNING SYSTEM FOR RANSOMWARE

Demo Link

<https://www.loom.com/share/7d00397881f24adb8f6c36bef67bbd54?sid=7984d58c-c31d-4da0-b307-b56a398bf148>





Use Case Demo

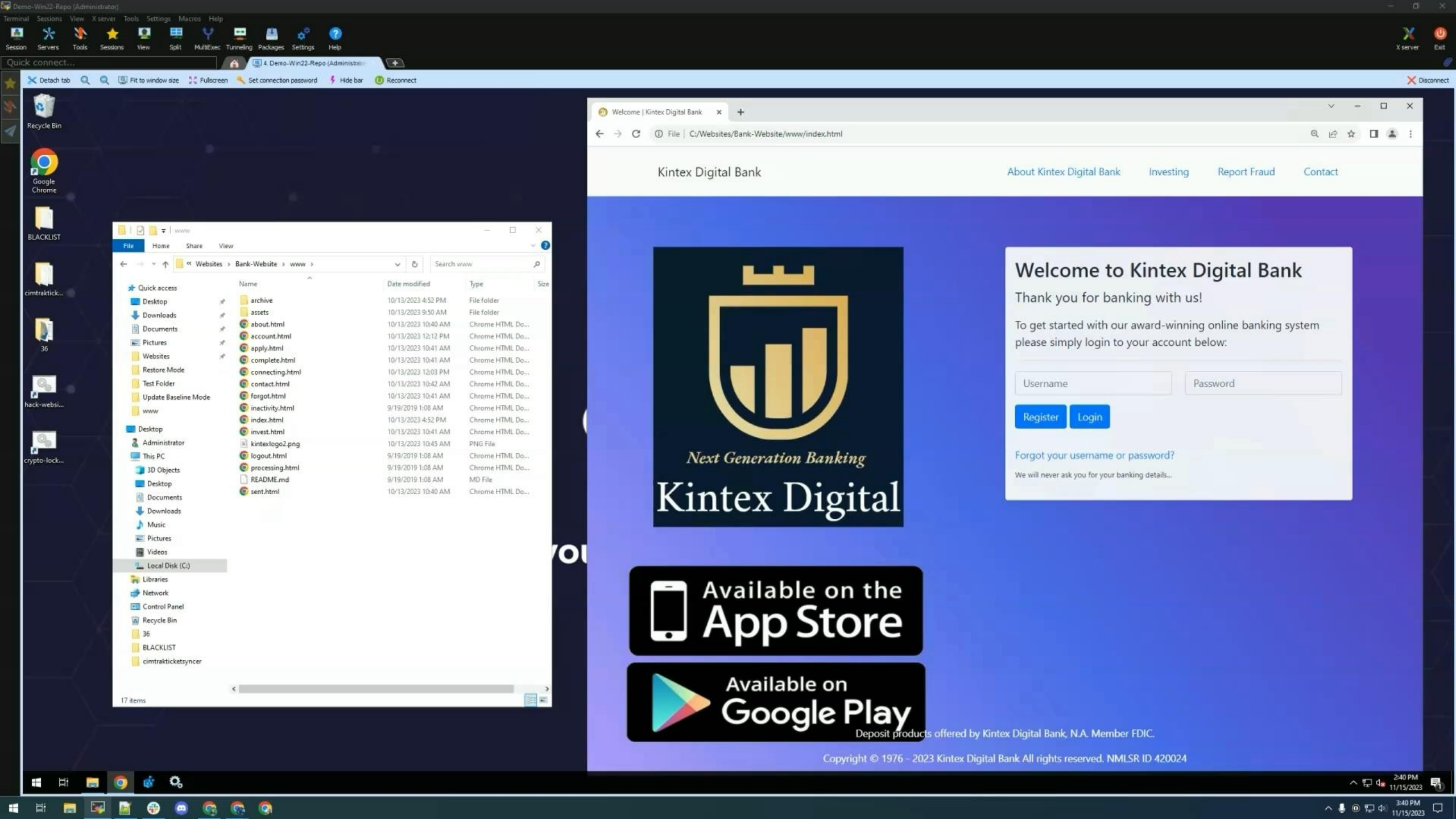
Website Defacement

CIMTRAK CAN PROTECT, DETECT, & RECOVER FROM MALICIOUS CHANGES AUTOMATICALLY

Demo Link

<https://www.loom.com/share/9420f99fab5b4e4ab718eb06e0fc32ab?sid=3a850d86-a604-4982-933b-fde2e78cb02c>





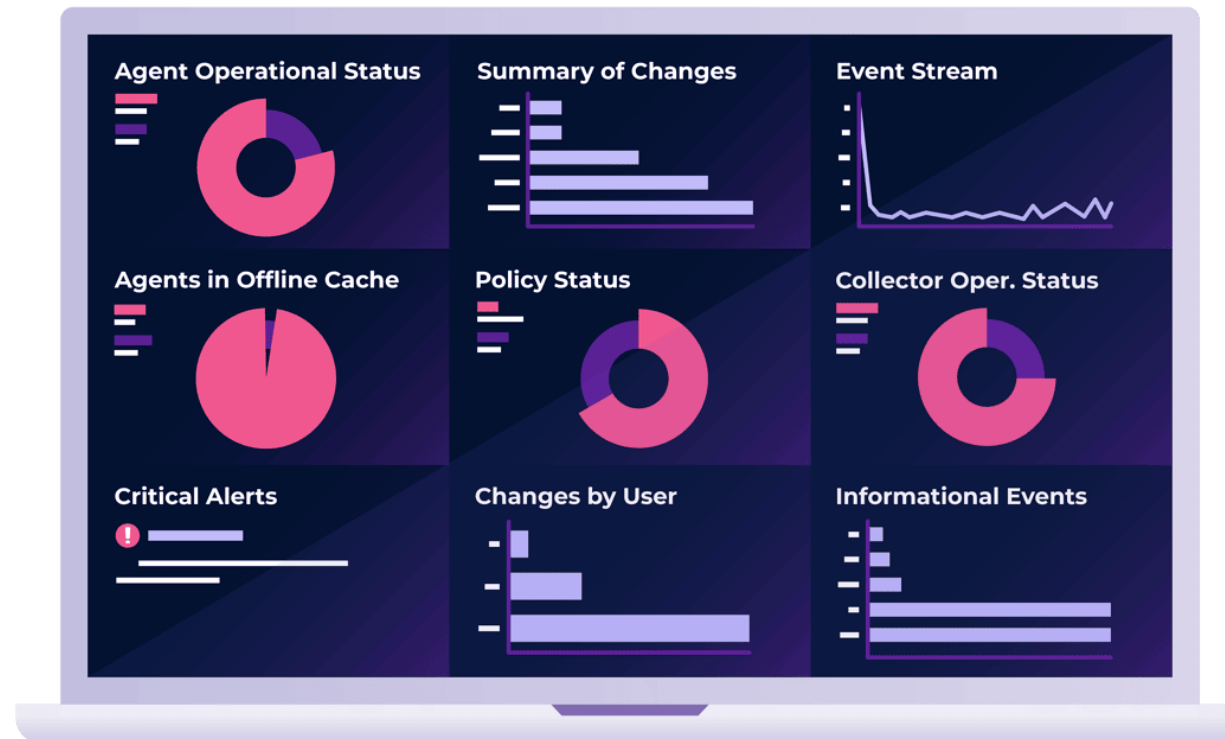
Use Case Demo

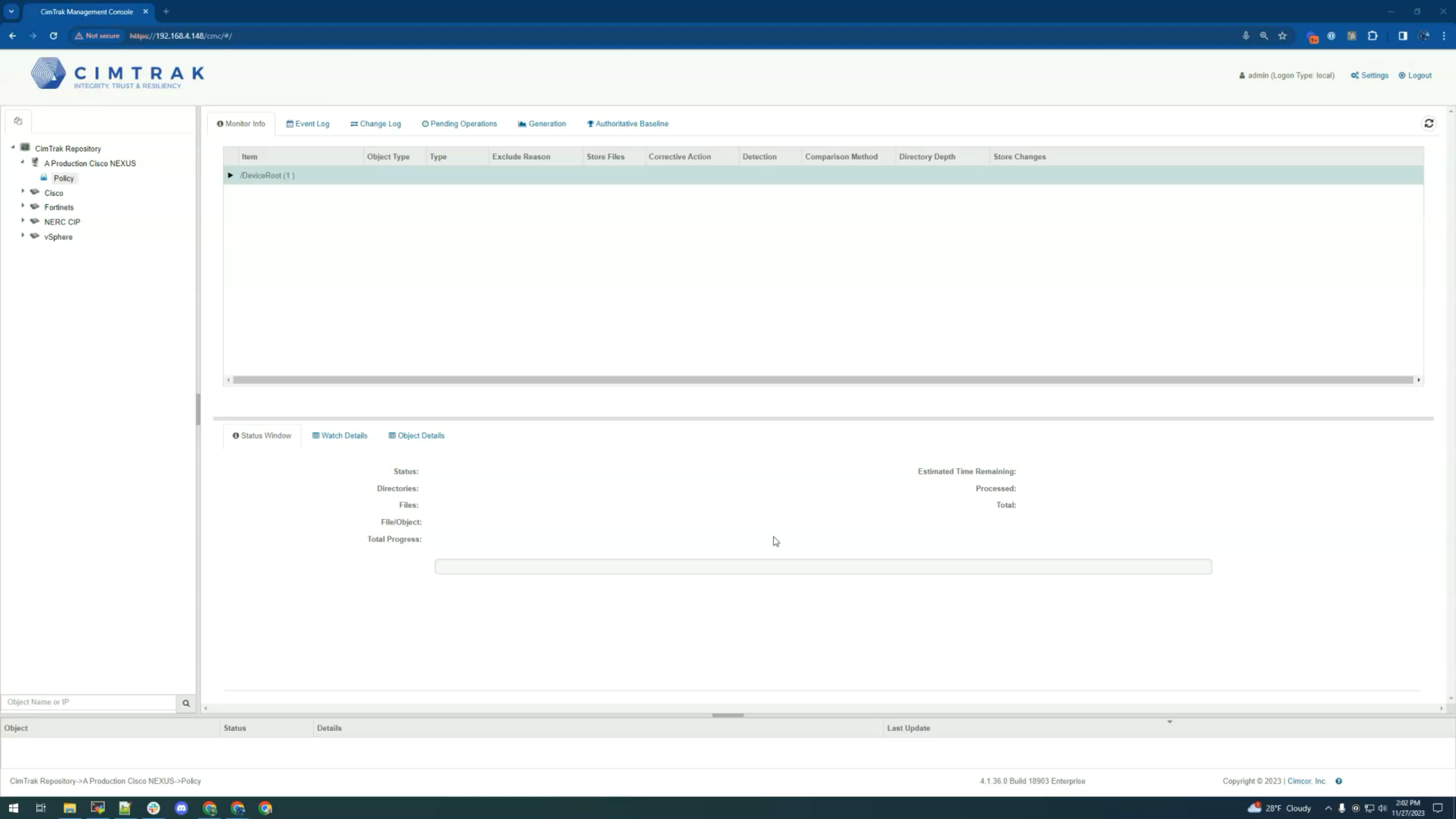
Network Device, Database, and ESXi Monitoring

CIMTRAK CAN PROTECT, DETECT, & RECOVER FROM CHANGES TO NETWORK DEVICES, DATABASES, & HYPERVISORS

Demo Link

<https://www.loom.com/share/1cc2cdc4592b46f19d5c44788e71cbcd?sid=db337be4-a060-4988-a8e4-943e37883100>





Use Case Demo

Active Directory

CIMTRAK CAN PROTECT, DETECT, & RECOVER CHANGES TO AD/LDAP

Demo Link

<https://www.loom.com/share/63549c30c492491ba7089202e199f23b?sid=a04909c1-db5a-4716-a774-b82e87d75222>

CIMTRAK MASTER
REPOSITORY



CIMTRAK AGENT
WITH AD MODULE



 Microsoft Active Directory

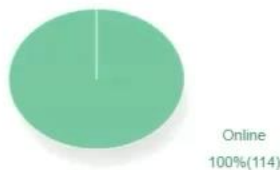
 OpenLDAP

 LDAP.com
Lightweight Directory Access Protocol

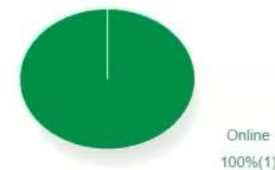
 FreeIPA

All children of Repository: WIN2019-55

Agent Operational Status Chart



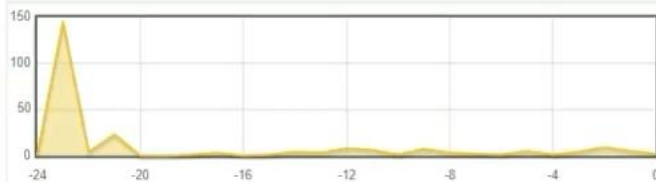
Collector Operational Status Chart



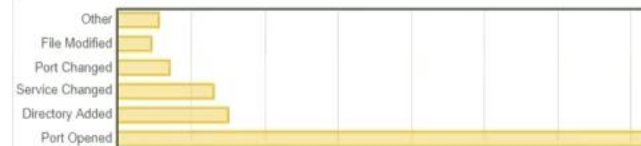
Policy Status



Change Stream (24hrs)



Summary of Changes (24hrs)



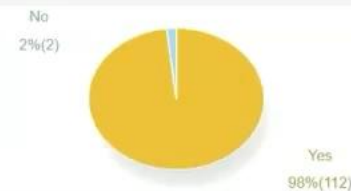
Changes By User (Top 5 in 24hrs)



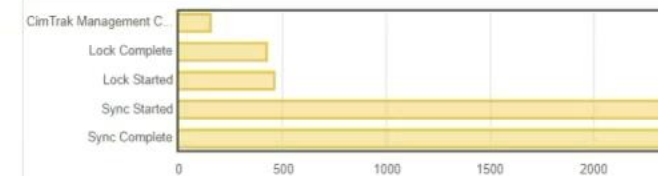
Systems with Alerts (Top 5 in 24hrs)



Agents In Offline Cache Mode



Informational Events (Top 5 in 24hrs)



- WIN2019-55
 - Docker Agents
 - EnvironmentA
 - PROD
 - Alma8-78
 - amazon2-79
 - CentOS8-81
 - MacOS-M1-190
 - RHEL7-112
 - SLES12-60
 - Win11-66
 - Win2008-86
 - Win2016-39
 - Win2019-55
 - Compliance Policy
 - Active Directory
 - DenyMode
 - Drivers
 - Installed Software
 - LogMode
 - LogReads
 - Network Share Config
 - NotifyOnly
 - PortMonitor
 - Registry Keys - CimTrak Agent
 - RestoreMode
 - Services
 - UpdateBaseline
 - Users & Groups
 - Windows Operating System
- STAGING
 - CentOS6-80
 - ESXi-4.3
 - FreeBSD12-35
 - Ubuntu20-85

Use Case Demo

Insider Threats

CIMTRAK CAN HELP BLOCK CHANGES BY INSIDER THREATS

Demo Link

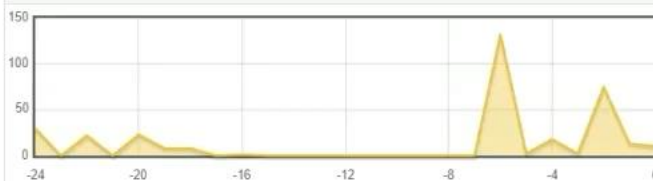
<https://www.loom.com/share/3b28bfc922c74d9caed0fcfb8f4ed7aa?sid=18b4808f-51d4-421b-8611-580909d06f2d>

- **70%** of all DC outages due to human error.
- Nearly **40% of organizations** have suffered a major outage caused by human error over the past three years.
 - Of those incidents, **85% stem from staff failing to follow procedures** or from flaws in the processes and procedures themselves.
- Lots of contractors and personnel are making changes, what visibility do you have?

Example: FAA

All children of Repository: CimTrak Repository

Change Stream (24hrs)



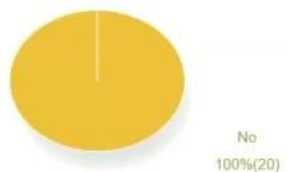
Agent Operational Status Chart



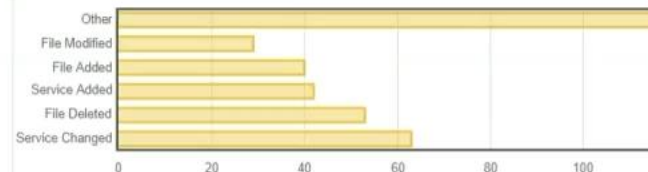
Policy Status



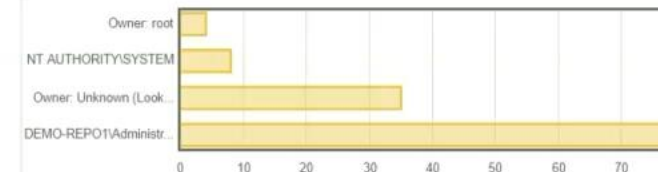
Agents In Offline Cache Mode



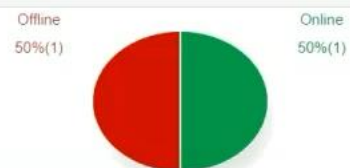
Summary of Changes (24hrs)



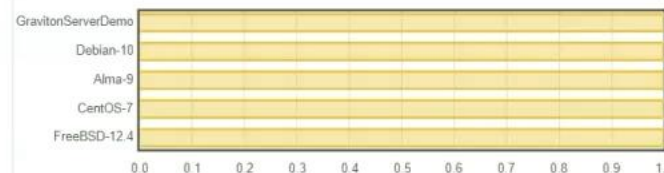
Changes By User (Top 5 in 24hrs)



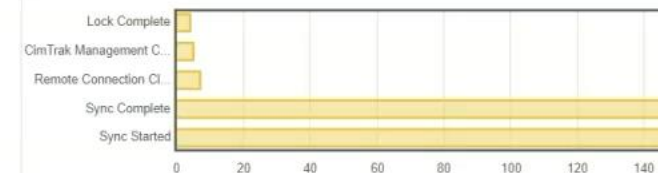
Collector Operational Status Chart



Systems with Alerts (Top 5 in 24hrs)



Informational Events (Top 5 in 24hrs)



Use Case Demo

Continuous Compliance Monitoring

CIMTRAK ENABLES YOU TO MEET CONTINUOUS MONITORING REQUIREMENTS AGAINST DISA STIGS

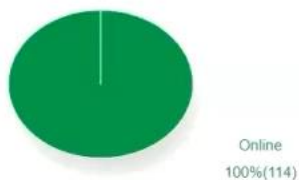
<https://www.loom.com/share/4af455fb39d34f64b3a8c39b862b5535?sid=16ec1077-9f54-4a67-ae67-951278490ded>



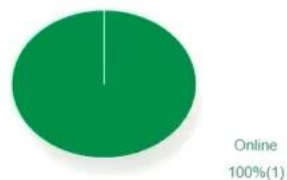
Dashboard Repository Info Event Log Change Log Logged On Users

All children of Repository: WIN2019-55

Agent Operational Status Chart



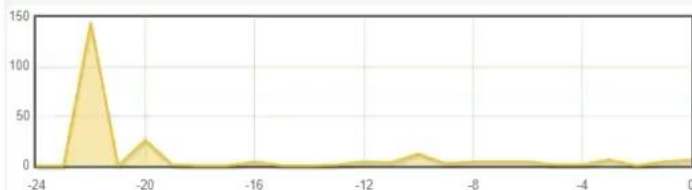
Collector Operational Status Chart



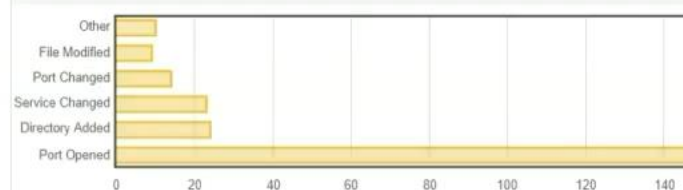
Policy Status



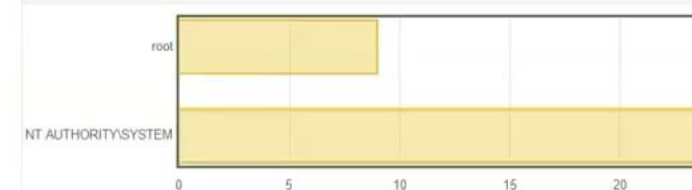
Change Stream (24hrs)



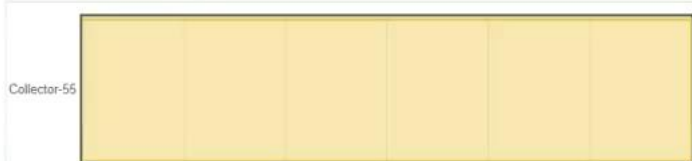
Summary of Changes (24hrs)



Changes By User (Top 5 in 24hrs)



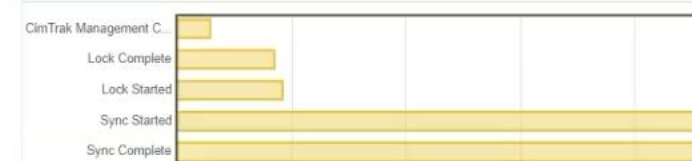
Systems with Alerts (Top 5 in 24hrs)



Agents In Offline Cache Mode



Informational Events (Top 5 in 24hrs)



Object Name or IP

Object	Status	Details	Last Update
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Use Case Demos

- ✓ Ransomware
- ✓ Website Defacement
- ✓ ESXi Monitoring
- ✓ AD/LDAP Monitoring
- ✓ Continuous Compliance Monitoring
- ☐ Integrity of Software Supply Chain
- ☐ Network Device Monitoring
- ☐ Monitor & Alert to Cloud Configuration Changes
- ☐ Changes to Database Schemas, Configurations, Triggers, Stored Procedures, Users, etc.
- ☐ Monitor, Alert, & Log ALL Changes to a Container or Manager
- ☐ Monitor, Alert, & Log Changes to IOT or Odd Devices via SSH

CimTrak & Control Crosswalks

CimTrak Crosswalk Summary

Compliance/Best Practice Framework(s)	Crosswalk Details	CimTrak/Control	%	Total Controls	Total Coverage
NIST 800-53 r5	CimTrak Enables or Provides a Solution Within The Domain Sub-Control Category	79/298		+1000	27%
NIST 800-171 r3	CimTrak Meets The Requirement	24/95	25%	95	42%
	CimTrak Enables or Provides Ancillary Capability or Functionality	16/95	17%		
CMMC v2	CimTrak Helps Meet The Requirement or Enables or Provides Ancillary Capability or Functionality	CMMC Level 1	4/13	95	51%
		CMMC Level 2	40/95		
DoD ZT Capability Execution Roadmap (COA 1)	CimTrak Meets The Capability	10/45	22%	45	73%
	CimTrak Enables Capability/Function	17/45	38%		
	CimTrak Provides Ancillary Capability/Function	6/45	13%		

Crosswalks are determined if CimTrak provides a control, automated scan, or enables a process, procedure, or policy to assist with the evidence collection necessary to meet the objective of the defined domain, category, control, standard, component, or assessment factor.

DoD Zero Trust Capabilities Crosswalk To CimTrak																em & nation grity SI)	Planning		System and Services Acquisition		Supply Chain Risk Management			
User		Device		Application and Workloads		Data		Network and Environment		Automation and Orchestration		Visibility and Analytics		CimTrak	#		CimTrak	#	CimTrak	#	CimTrak			
														#	CimTrak		#	CimTrak	#	CimTrak	#	CimTrak	#	CimTrak
														#	CimTrak		#	CimTrak	#	CimTrak	#	CimTrak	#	CimTrak
3.1.1	✓	3.2.1		3.3.1	✓	3.4.1	✓	3.1.1	✓	3.2.1	✓	3.3.1	✓	3.4.1	✓	✓	3.15.1	✓	3.16.1		3.17.1	✓		
3.1.2	✓	3.2.2		3.3.2	✓	3.4.2	✓	3.1.2	✓	3.2.2	✓	3.3.2	✓	3.4.2	✓	✓	3.15.2	✓	3.16.2		3.17.2	✓		
3.1.3				3.3.3	✓	3.4.3	✓	3.1.3		3.2.3		3.3.3	✓	3.4.3	✓	✓	3.15.3	✓	3.16.3		3.17.3	✓		
3.1.4	✓			3.3.4	✓	3.4.4	✓	3.1.4	✓	3.2.4		3.3.4	✓	3.4.4	✓	✓								
3.1.5	✓			3.3.5	✓	3.4.5	✓	3.1.5	✓	3.2.5		3.3.5	✓	3.4.5	✓	✓								
3.1.6	✓			3.3.6	✓	3.4.6	✓	3.1.6	✓	3.2.6		3.3.6	✓	3.4.6	✓	✓								
3.1.7	✓			3.3.7	✓	3.4.8	✓	3.1.7	✓	3.2.7		3.3.7	✓	3.4.8	✓	✓								
3.1.8				3.3.8	✓	3.4.10	✓	3.1.8		3.2.8		3.3.8	✓	3.4.10	✓	✓								
3.1.9	✓					3.4.11	✓	3.1.9	✓	3.2.9		3.3.9		3.4.11	✓	✓								
3.1.10						3.4.12	✓	3.1.10		3.2.10		3.3.10		3.4.12	✓	✓								
3.1.11								3.1.11		3.2.11		3.3.11												
3.1.12								3.1.12		3.2.12		3.3.12												
3.1.16								3.1.16		3.2.16		3.3.16												
3.1.18								3.1.18		3.2.18		3.3.18												
3.1.20								3.1.20		3.2.20		3.3.20												
3.1.22								3.1.22		3.2.22		3.3.22												

✓ CimTrak Helps Meet The Requirement or Enables or Provides

4/13 31% CMMC Level 1

40/95 51% CMMC Level 2

✓ CimTrak Helps Meet The Requirement or Enables or Provides Ancillary Capability or Functionality

10/45 22% CimTrak Meets The Capability

17/45 38% CimTrak Enables Capability/Function

6/45 13% CimTrak Provides Ancillary Capability/Function

The chart above is a crosswalk for all CimTrak products if they provide control, automated scan or enable a process, procedure or policy to assist with the evidence collection to meet the objective of a defined domain, category, control, standard, component or assessment factor

The chart above is a crosswalk for all CimTrak products if it provides a control, automated scan, or enables a process, procedure, or policy to assist with the evidence collection to meet the criteria of the DoD's defined capabilities definition.

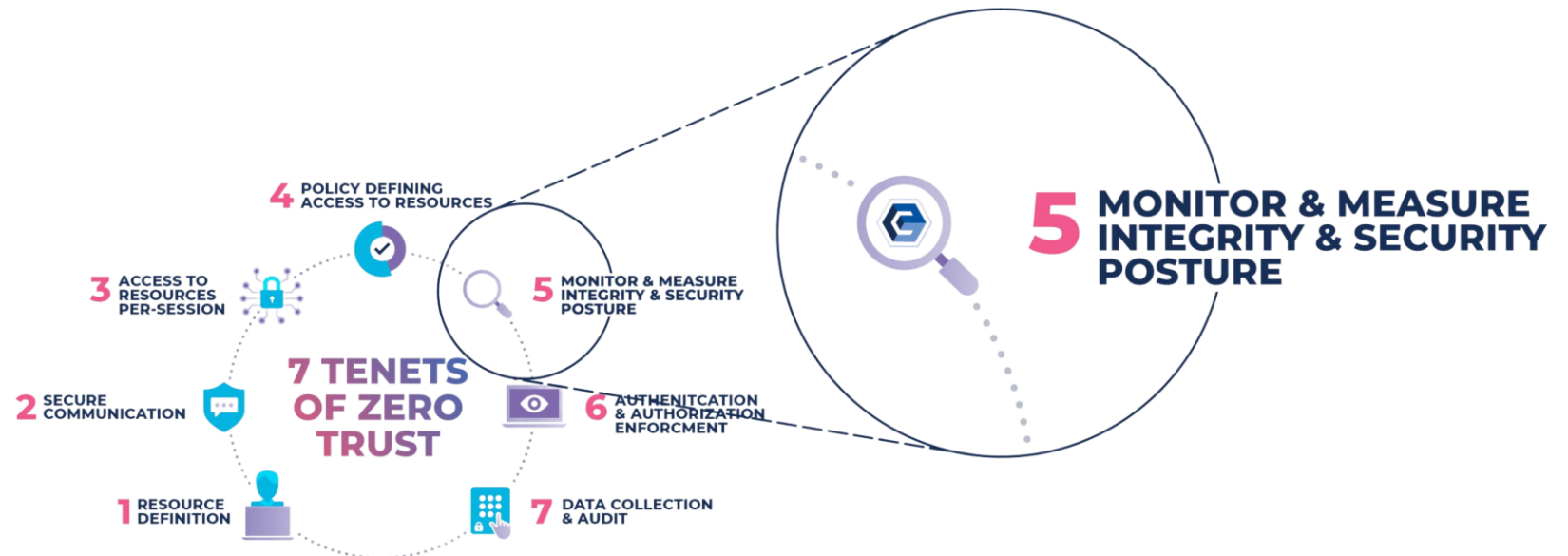
CimTrak & Zero Trust Alignment

CimTrak's core functionality is so CRITICAL that it is called out as TENET #5



The enterprise MONITORS & MEASURES the INTEGRITY and SECURITY POSTURE of all owned & associated assets”

ZERO TRUST, NIST 800-207, TENET #5



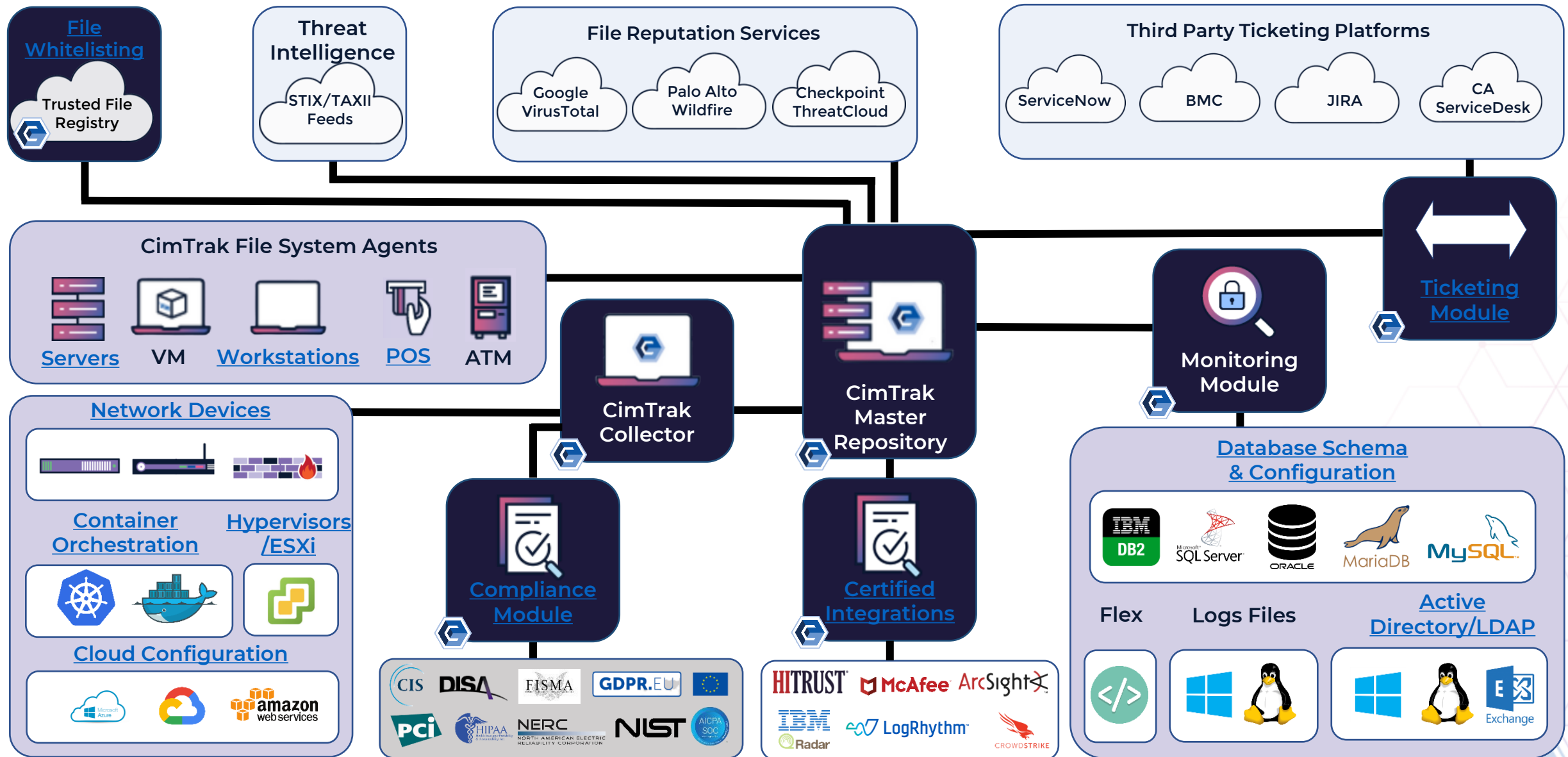
**CimTrak +
Zscaler**

**= Zero Trust
Platform**

“Cimcor has completed initial integration with Zscaler's platform and is working to further enhance additional integrity assurance capabilities for the purpose of further protecting joint warfighter operations in defense of our nation.”

Integration Capabilities Include:

- Monitor Zscaler Configuration settings for ZIA, ZPA, ZCC and ZDX to help meet continuous monitoring requirements of NIST 800-172
- Automatically enable Zscaler Browser Isolation if System Integrity compromised
- Automatically enable Zscaler Browser Isolation if System is No Longer STIGed
- Automatically isolate endpoint via Zscaler if Endpoint Integrity is compromised
- Automatically isolate endpoint via Zscaler if Endpoint is no longer STIGed.
- Integration support for several ZPA policy types



More Effective
With CimTrak

**All
Security
Issues
Start
With a
Change...**

CimTrak Reduces Dwell Time & Increases Resiliency

Utilizing DISA STIGs:

- CimTrak utilizes [STIGs](#) as a best practice to create a foundation of trust
- CimTrak provides prescriptive guidance to fix failed configuration

REDUCES Man-Hours To:

- CimTrak can [identify unknown threats](#), unwanted/unexpected changes
- CimTrak can remediate and recover to trusted baselines in seconds
- CimTrak can provide necessary evidence to meet all major compliance mandates
- CimTrak can deploy secure configurations and ensure they remain trusted

IMPROVES:

- Cyber [threat detection and resiliency](#)
- Ability to detect unknown, unexpected, and unplanned changes
- Utilization of current investments ([SIEM](#), ITSM, etc.)

QUESTIONS?

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