COHESITY



5 Steps to Cyber Resilience

Technical Deep Dive

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Field CTO Europe & Emerging

2026-11-06, NetNordic, Uppsala, Sweden

Many opportunities to strengthen capabilities

1 Discover and protect all data

53%
do not backup ALL workloads and data

2 Ensure data is always recoverable

52%
do not have an offsite copy

63%
do not have immutable backups for all data

46%
without MFA

3 Detect and investigate threats

33%
do not perform threat hunting

39%
do not subscribe to threat intelligence feeds

4 Practice application resilience

38%
were reinfected after recovery

42%
do not do annual rehearsals

5 Optimize data risk posture

46%
do not identify and prioritize sensitive data and systems for backups

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Source: Cohesity Global Cyber Resilience Report, November 2025.

Cohesity 5 steps of cyber resilience©

1 Data protection & identity resilience	2 Cyber vaulting	3 Threat protection	4 Cyber recovery orchestration	5 Data & AI security posture management
Discover and protect all data Cohesity DataProtect Cohesity NetBackup Cohesity Identity Resilience	**Ensure data is always recoverable** Cohesity FortKnox Cohesity NetBackup IRE	**Detect and investigate threats** Threat Protection	**Practice application resilience** RecoveryAgent	**Optimize data risk posture** Cohesity DSPM Cohesity Data Classification
• On-prem • Cloud • BaaS • IAM	• Platform Security • Immutability & WORM • Cyber Vault	• Anomaly & Threat Detection • Threat Hunting • SIEM Integration	• Clean Room • Recovery Orchestration • CERT	• Data Classification • DSPM

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Cohesity 5 steps of cyber resilience©

1 Data protection & identity resilience

Discover and protect All Data

- Protect, Replicate, Archive On-Prem Data
- Protect Identities (AD / EntraID)
- Protect Cloud IaaS / PaaS / SaaS Data
- Manage via a Single Control Plane

2 Cyber vaulting

Ensure Data Is Always Recoverable

- Implement an Airgap Vault
- Ensure DataLock Retention
- Lock Down IAM (RBAC, MFA, Quorum)
- Harden Data Protection Infrastructure

3 Threat protection

Detect and Investigate Threats

- Monitor for Ransomware Anomalies
- Scan for Malware Hashes
- Scan for Ransomware IOCs (Sandbox)
- Enable SIEM / SOAR Integration

4 Cyber recovery orchestration

Practice Application Resilience

- Implement Cyber Recovery Orchestration
- Integrate Staging Room for Remediation
- Integrate Clean Room for Investigation
- Create a Digital Jump Bag

5 Data & AI security posture management

Optimize Data Risk Posture

- Integrate DSPM Classifiers
- Define Protection Policy by Data Sensitivity
- Configure Data Classification for Backups
- Define Recovery Blueprint by Data Sensitivity

COHESITY

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Cohesity capability | Cohesity scanner | Customer process or technology

1 PROTECT ALL DATA with global governance

Identify unprotected data – your biggest security risk

Physical servers VMs Containers	Databases Unstructured data NAS	SaaS	1,000+ data sources

Cohesity Data Cloud

NetBackup & Flex Appliances

Unified UI + APIs | Common SLAs | Compliance | Reporting | Policies | AI-Powered Operations

Critical Success Factors

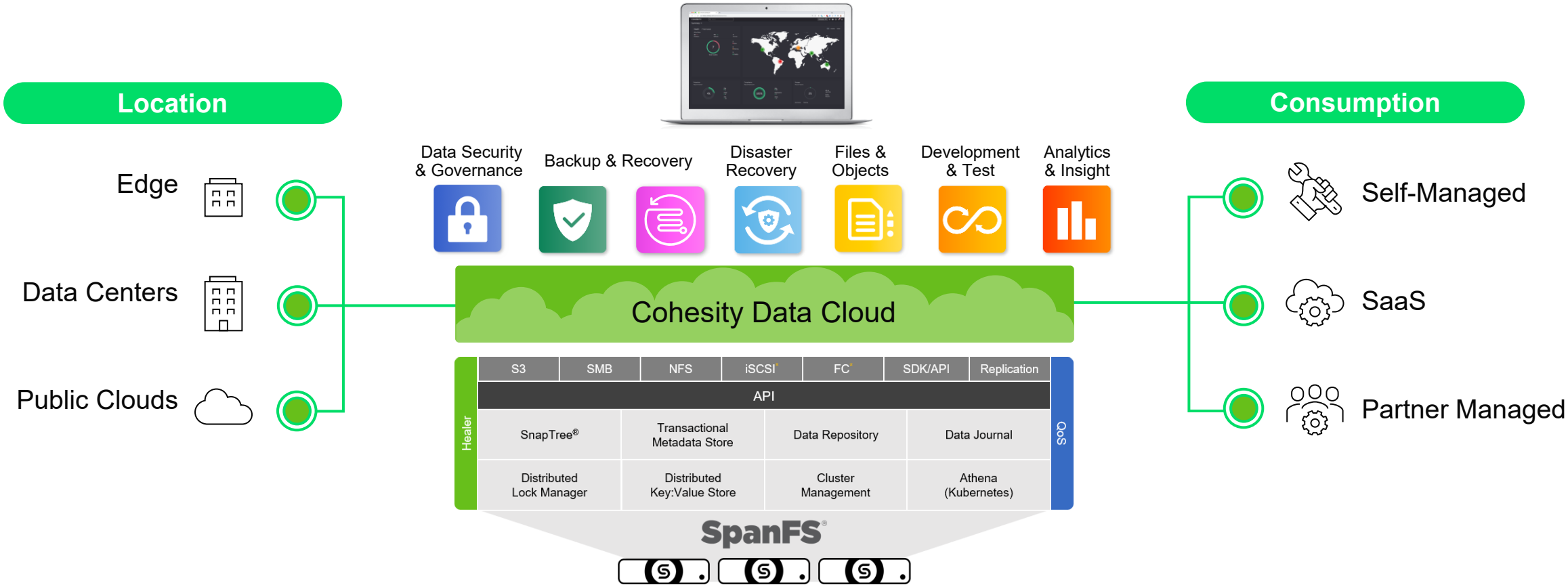
Storage Efficiency | Scale-out (up) Performance | Global Reporting
Flexible Deployment Models | Consistent Licensing

KEY OUTCOMES

- Enhanced security
- Risk reduction
- Improved compliance & governance
- Lower costs & improved ROI
- Increased IT efficiency

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Cohesity Today

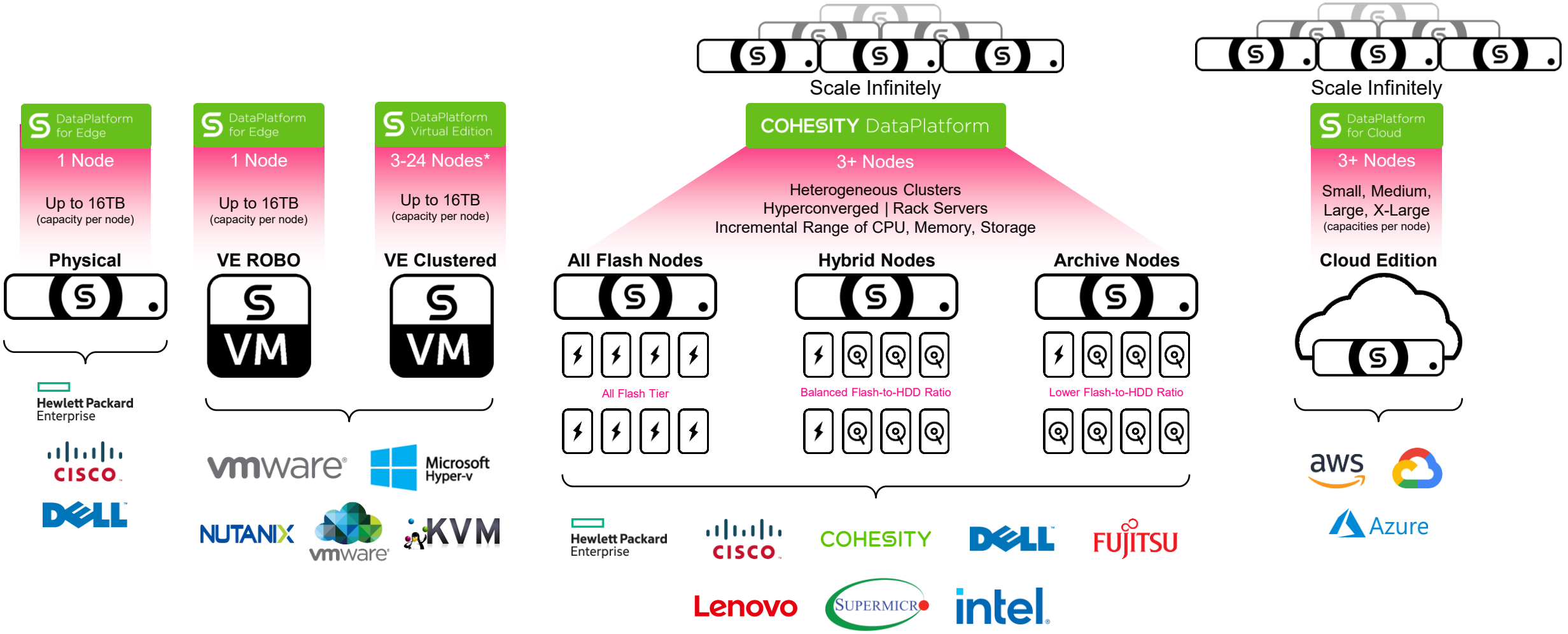


- Consistent global UI experience at all times
- No separate products for cloud vs on-premises
- Allows mix & match, transition between models as needed

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Ultimate Scale & Flexibility

Cohesity's DataPlatform is a software-defined platform

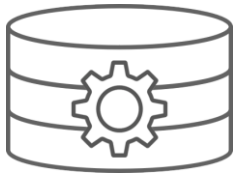


*It is possible to scale beyond 24 nodes with support assistance

https://www.cohesity.com/platform/certified-platforms/

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Data & Storage Capabilities



Data Efficiency

- Deduplication
- Compression



Data Resiliency

- Replication Factor
- Erasure Coding
- Replication



Data Security

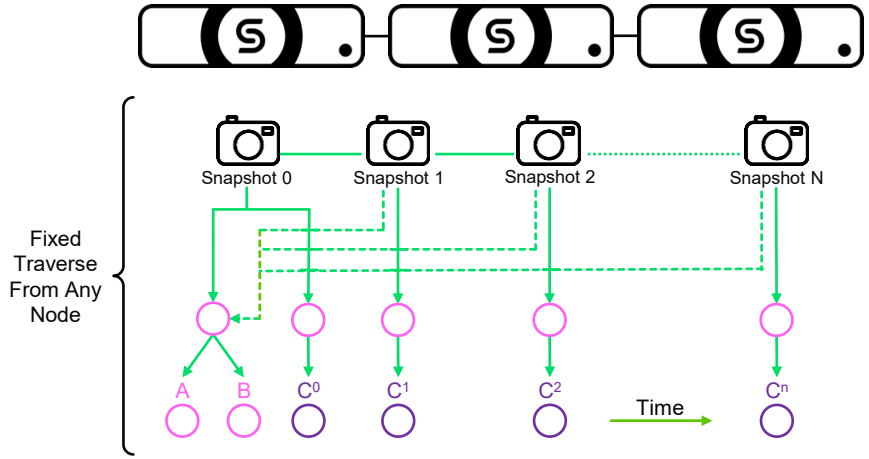
- Immutability
- WORM Lock
- Encryption

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Speed of Backup & Recovery

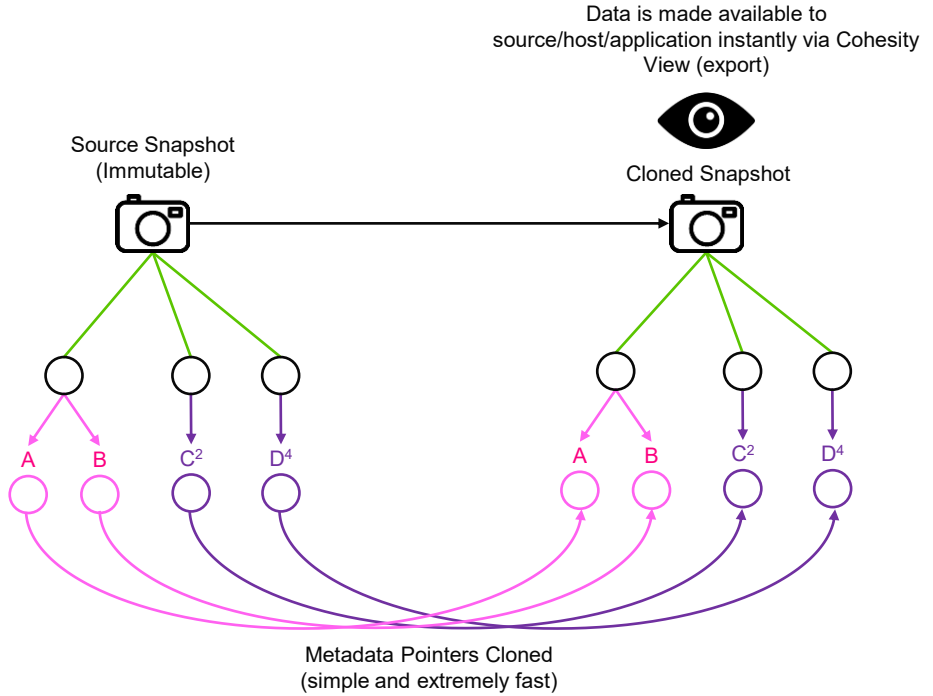
Snapshots

- Distributed-Redirect-On-Write (DROW) Snapshots
- **SnapTree** patented version of modified B+ Tree data structure for efficient metadata traversing
- Limitless fully hydrated snapshots



Instant Mass Restore

- Cohesity snapshots are immutable
- Snapshots are cloned for restore operations
- VMware integration for fast recovery of VMs



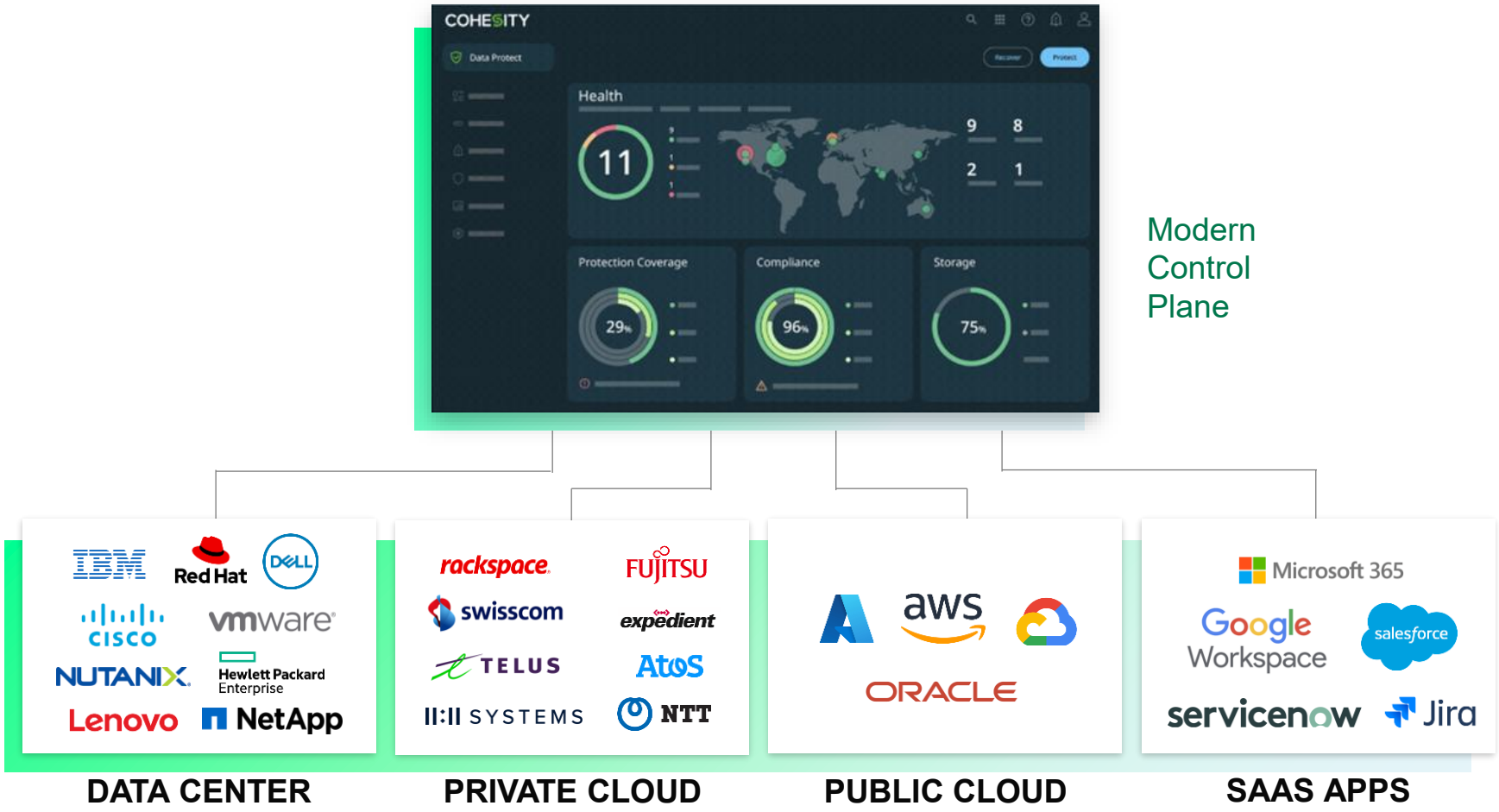
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Speed – The Cohesity Difference - Time to Recover

Scenario	Likelihood	Time to Recover Today	Time to Recover Goal	Cohesity POC Results	Improvements	
					Goal	Legacy Solution
Deleted or Corrupted File	High	Variable based on file-count	Variable based on file-count	Global Search with flexible restore options. **< 1 minute**	-	-
Single VM Corruption	Medium	2 hours	<10 minutes	Instant VM Restore **< 1 minute**	10x	120x
Storage Volume Corruption	Low	3 hours	<10 minutes	Instant VM Restore of 50 VMs **< 3 minutes**	3.3x	60+x
Storage Array Corruption	Low	8 hours	8 hours	Instant Recovery of 1,000 VMs **39 minutes**	12.3x	12.3x
Application Upgrade Rollback	High	30 minutes	<10 minutes	Instant VM Restore of 50 VMs **< 3 minutes**	3.3x	10x
/OS Patching Goes Wrong	Low	5 Days	28 hours < 1 hour	Instant VM Restore of 250 Randomly selected VMs **<7 minutes**	240x	1000+x
Large-Scale Malware Attack	Low	4 Weeks	< 24 hours	2,200 VMs Powered on and available **47 Minutes** Back on primary storage = 4 hours	30.6x	850+x

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We protect all data, any workload, anywhere, with one simple management console



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Cohesity Data Cloud

Protecting all data, any workload, anywhere

PRIVATE	PUBLIC			
vmware / NUTANIX / Red Hat OpenShift	aws	Microsoft	Google	ORACLE
VMs/K8S	EC2/EKS	Azure VMs/AKS	Google VMs/GKE	Oracle VMs/OKS
Databases	RDS	SQL	BigQuery	Oracle DB
NAS	S3	Blobs	Google Storage	Oracle Storage
Identity (AD)	AWS Identity	AzureAD/EntraID	Google Identity	Oracle Identity
Agents	Agent Core	Agent 365	Agent Foundry	Agent Platform

SAAS APPS Microsoft 365 | Salesforce | Google Workspace | JIRA | ServiceNow...

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2 ENSURE YOUR BACKUPS are always recoverable

Harden your platform + add a cyber vault

1,000+ data sources

On-Prem | Cloud | SaaS | Edge

Cohesity Data Cloud

NetBackup & Flex Appliances

Immutability | MFA | Separation of Duties | RBAC | 3-2-1-1 | Hardened Platform

Cyber Vault

Physical & logical isolation

Critical Success Factors

Backup Restoration Performance | Cyber Vault On-Prem or Cloud | Cyber Vault Key Management & Immutability

KEY OUTCOMES

- Faster & more secure recovery
- Stronger protection against attacks
- Audit readiness
- Zero trust alignment

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Zero-Trust Security in Cohesity Data Cloud

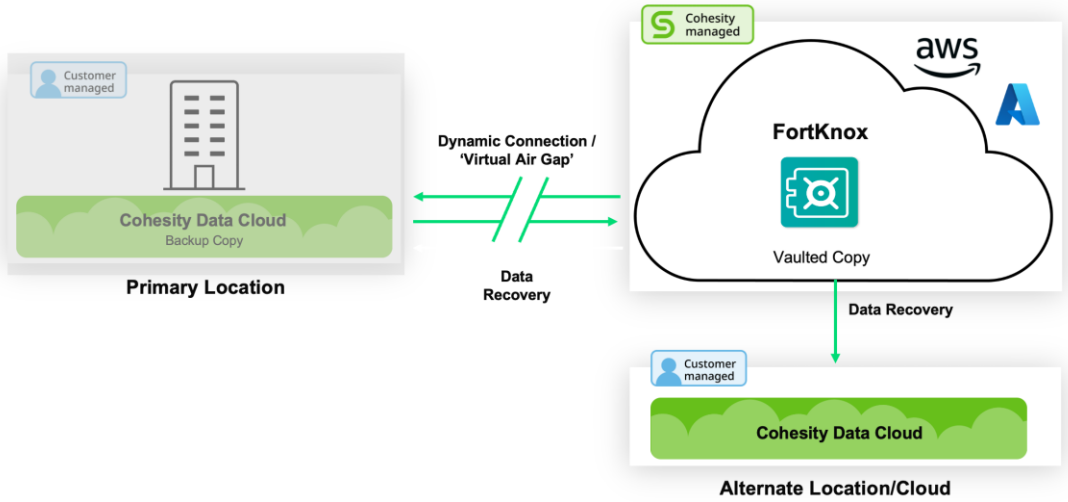
- Protection from unauthorized access
- Protect from data breaches and leakage
- Prevent from unauthorized access and time-based attacks
- Protect from Unilateral actions from users
- Protect from Data theft and APT attacks, Data Deletion
- Detect any misconfigurations, errors



MFA | RBAC | WORM | SSO | AES-256 Encryption | ML Anomaly Detection | Quorum Approvals | Restricted Shell Access | PKI | External KMS Support | Logging and Auditing | (TOTP)

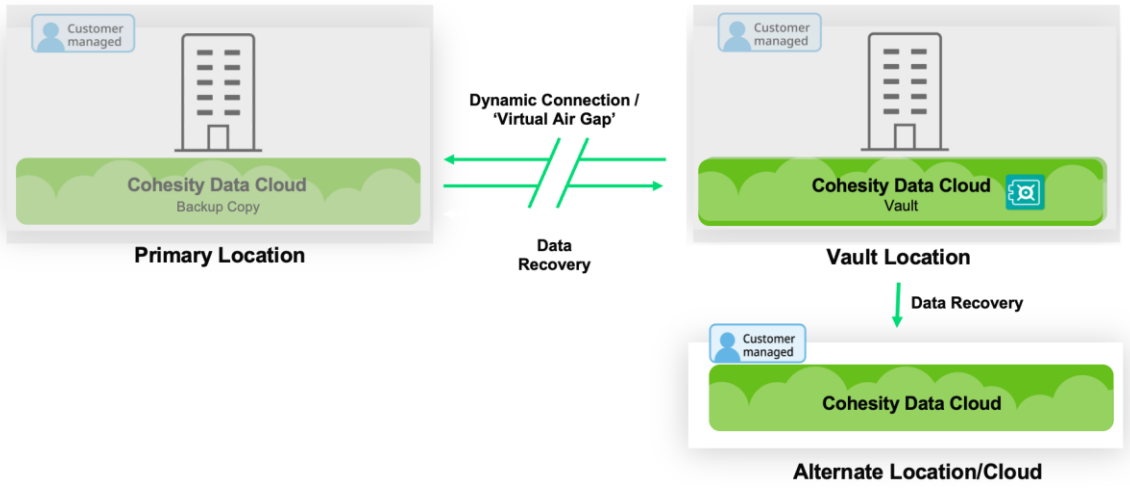
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FortKnox for DataProtect



FortKnox SaaS

- No Infrastructure to manage
- Complete data isolation, immutability and air-gapping
- Available for both On-Prem and Cloud-based workloads
- Unlimited Scale
- Vault availability - Cloud region level



FortKnox Self-Managed

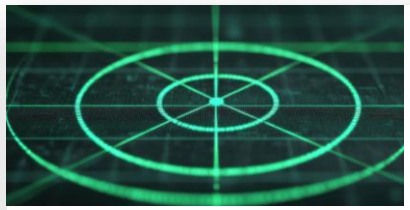
- Customer hosted infrastructure
- Shared responsibility model - Customer required to follow security best practices
- Available for On-Prem workloads
- Multiple Cohesity clusters may be needed
- Vault availability – Data center level

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3 DETECT AND INVESTIGATE threats

Regularly conduct threat scanning & threat hunting



Malware scanning



Threat hunting



Ecosystem integrations
(SIEM/SOAR)

Cohesity Data Cloud
NetBackup & Flex Appliances

Automated & On-Demand Scanning | AI-Powered Anomaly Detection | Threat Intelligence | Hash Index | Forensics

Critical Success Factors

Built-In & BYO Threat Feeds | 100,000s Indicators of Compromise | YARA Rules | Open & Extensible Platform

KEY OUTCOMES

- Early threat detection & mitigation
- Backup integrity assurance
- Faster incident recovery and reduced downtime
- Shared context for IT & InfoSec teams

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Scan Runs

Jan 9, 2026 1:30pm

Download Report

Scan Summary | Objects

/CrowdStrike_CSIT_13...	9d56d12829385a...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: M_... Family ID: malware...	Undetected
/G_Uploader_COREW...	239cbfbb3c84a4...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: G_... Family ID: malware...	Malicious 30/100
/G_Uploader_COREW...	239cbfbb3c84a4...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: G_... Family ID: malware...	Malicious 30/100
/M_Backdoor_BEACO...	cb52031e47382e...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: M_... Family ID: malware...	Malicious 80/100
/home/cohesity/cs_te...	81b74992358350...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: M_... Family ID: malware...	Unknown
/home/cohesity/fixed_...	9d56d12829385a...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: M_... Family ID: malware...	Undetected
/home/cohesity/fixed_...	239cbfbb3c84a4...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: G_... Family ID: malware...	Malicious 30/100
/home/cohesity/fixed_...	239cbfbb3c84a4...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: G_... Family ID: malware...	Malicious 30/100
/home/cohesity/fixed_...	cb52031e47382e...	datahawk_DC...	Jan 9, 2026 12:11pm	Default Threat Library	YARA Rule: M_... Family ID: malware...	Malicious 80/100

Submit file to Virus Total for threat analysis

Security Center

Dashboard

AntiRansomware

Inventory

Threat Detection

Rapid Threat Hunt

Threat Scans

Threat Library

Data Classification

Classification Scans

Classification Library

Cyber Vaulting

Scan Runs

Jan 9, 2026 1:30p

Scan Summary | Objects

/CrowdStrike_CSIT_13..

/G_Uploader_COREW...

/G_Uploader_COREW...

/M_Backdoor_BEACO...

/home/cohesity/cs_te...

/home/cohesity/fixed_.

/home/cohesity/fixed_.

/home/cohesity/fixed_.

/home/cohesity/fixed_.

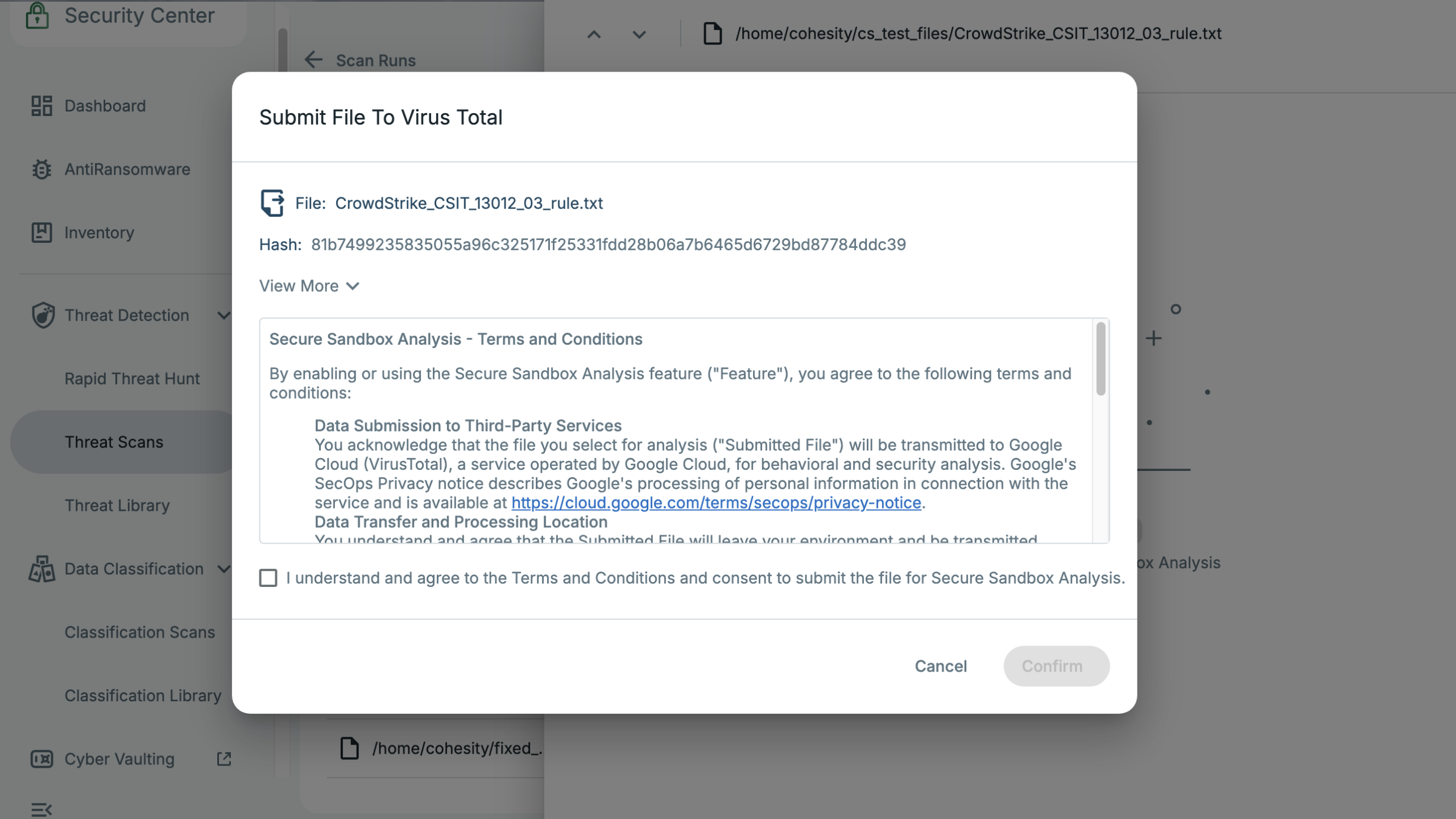
/home/cohesity/cs_test_files/CrowdStrike_CSIT_13012_03_rule.txt



GTI Assessment: Unknown

Submit to Virus Total for Secure Sandbox Analysis

Submit File



Submit File To Virus Total

File: CrowdStrike_CSIT_13012_03_rule.txt

Hash: 81b7499235835055a96c325171f25331fdd28b06a7b6465d6729bd87784ddc39

View More

Secure Sandbox Analysis - Terms and Conditions

By enabling or using the Secure Sandbox Analysis feature ("Feature"), you agree to the following terms and conditions:

Data Submission to Third-Party Services
You acknowledge that the file you select for analysis ("Submitted File") will be transmitted to Google Cloud (VirusTotal), a service operated by Google Cloud, for behavioral and security analysis. Google's SecOps Privacy notice describes Google's processing of personal information in connection with the service and is available at https://cloud.google.com/terms/secops/privacy-notice.
Data Transfer and Processing Location
You understand and agree that the Submitted File will leave your environment and be transmitted

I understand and agree to the Terms and Conditions and consent to submit the file for Secure Sandbox Analysis.

Cancel Confirm



GTI Assessment: Unknown

Secure sandbox analysis in progress. You will be notified once the report is ready.

File submitted successfully. Threat analysis is in progress. You will be notified once the report is ready.

Security Center

Dashboard
Inventory
AntiRansomware
Threat Detection
Threat Hunt
Threat Monitoring
Threat Library
Data Classificati...
Security Posture
User Activity
Integrations

Custom Scan 5 - Week

Scan Summary | Objects

Scan Details

Succeeded
Status

50/50
Scanned Objects

Filters: Cluster | Object Type | Ob

File Path	File Hash
/E/my_info.rtf	a1c832293990
/E/my_info.rtf	a1c832293990
/E/my_info.rtf	a1c832293990
/E/my_info.rtf	a1c83...
/E/my_info.rtf	a1c832293990
ny_info.rtf	a1c832293990

Analysis report is being downloaded

Setup.exe

Secure Sandbox Analysis

5 Nov, 2025 10:30 AM : ▲ Suspicious 75/100

Re-submit File | Download .zip

Valid till 5 Dec, 2025 10:30 AM (29d left)

Report Summary

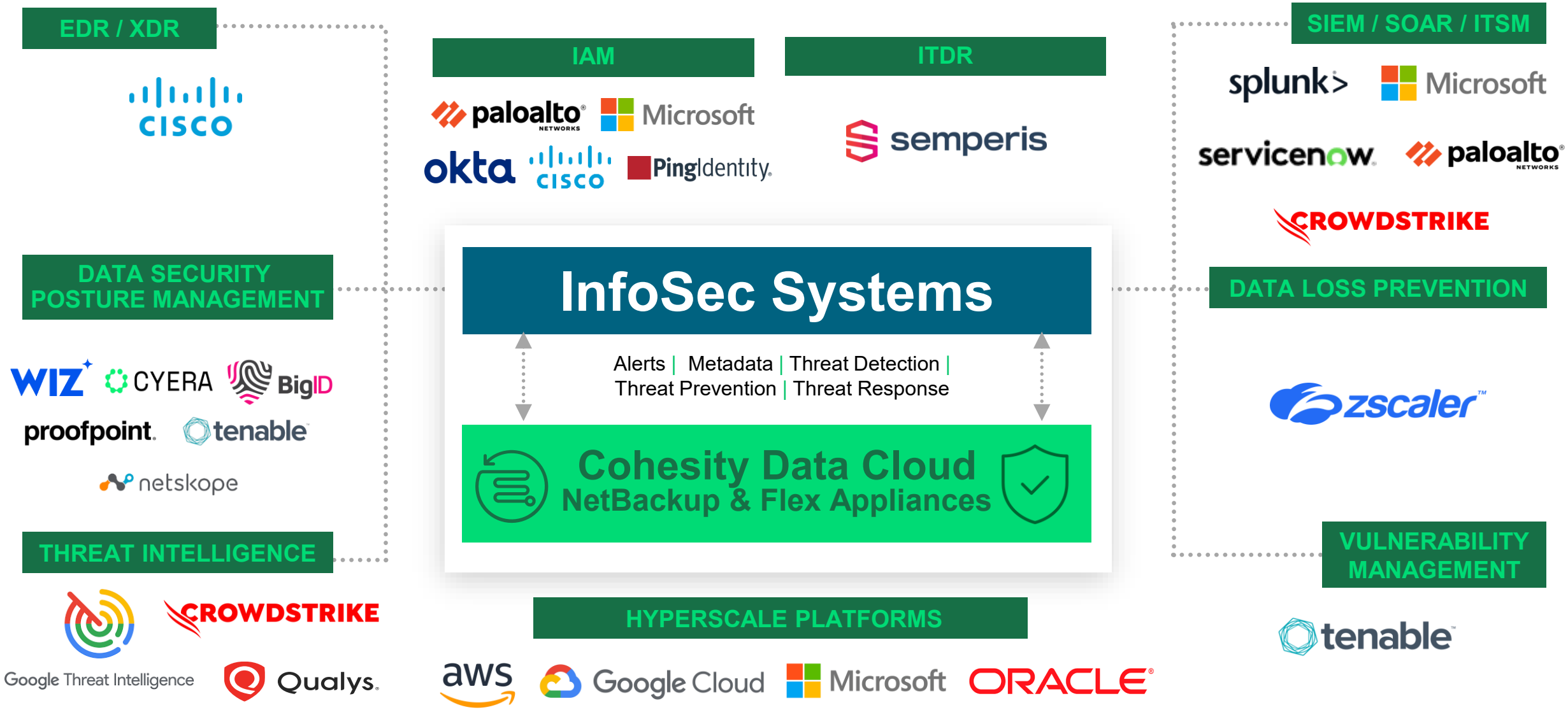
12	14	14	5
Detections	DNS (Network Comms)	Dropped Files	MITRE Signatures

Details | Detections | Behaviour | MITRE ATT&CK Tactics and Techniques

Basic properties

MDA: a1c832293990bf2963efcae7be6771b96b06f584b948534c5
SHA-1: 963efcae7be6771b96b06f584b948534c5
SHA-256: 3990bf2963efcae7be6
VHash: b96b06f584b94853
AuthentiHash: a1c832248534c5
Imphash: b96b06f584b94853
Rich PE header hash: 3990bf2963efcae7be6
SSDEEP: 3072:9uxyxtc12aML4yrtKOsNi6cWgOEkbaFKnjiqQnjwbufspN3GGomU3/03ucYfBLx2:9uxyxtVIIJji
TLSH: WgOEkbaFKnjiqQnjwbufspN3GGomU3/03ucYfBLx2:9uxyxtVIIJji
File Type: Win32 EXE Executable Win32 Exe

Secure and Open Ecosystem



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Real-World Testing with Best-of-Breed Ecosystem

COHESITY REDLab

Live Malware Testing

- Injection of live malware
- Validate resiliency
- Ensure recoverability

Security Research

- Independent research
- Identify new attack vectors
- Update defense mechanisms

Informed Products

- Test real attack scenarios
- Internal Pen Testing
- Inform future product features and functionality

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4 PREPARE, PRACTICE, AND RECOVER from incidents

Automate cyber recovery: initiate, investigate, mitigate



Digital Jump Bag™



Orchestration



Clean Room



Rapid Recovery at Scale

Cohesity Data Cloud

NetBackup & Flex Appliances

Cyber Recovery Orchestration | Clean Room Solution |
Forensic Threat Hunting | IR Ecosystem

Critical Success Factors

Automation | Incident Analysis Timeline | Instant Restore |
CERT (Cyber Event Response Team)

KEY OUTCOMES

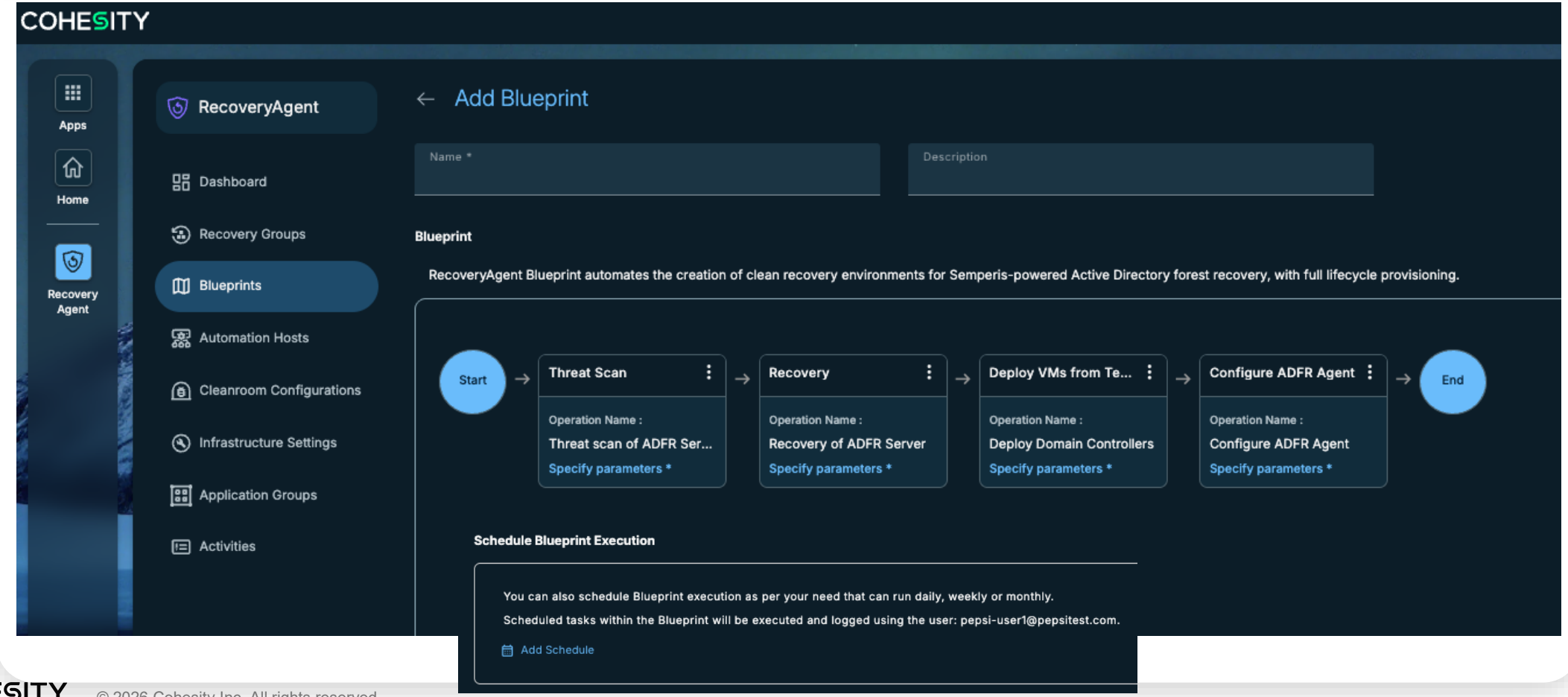
- Faster & safer recovery
- Improved RTO
- Lower risk of re-infection
- Reduced disruption & financial risk

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RecoveryAgent

Your blueprint for confident recovery

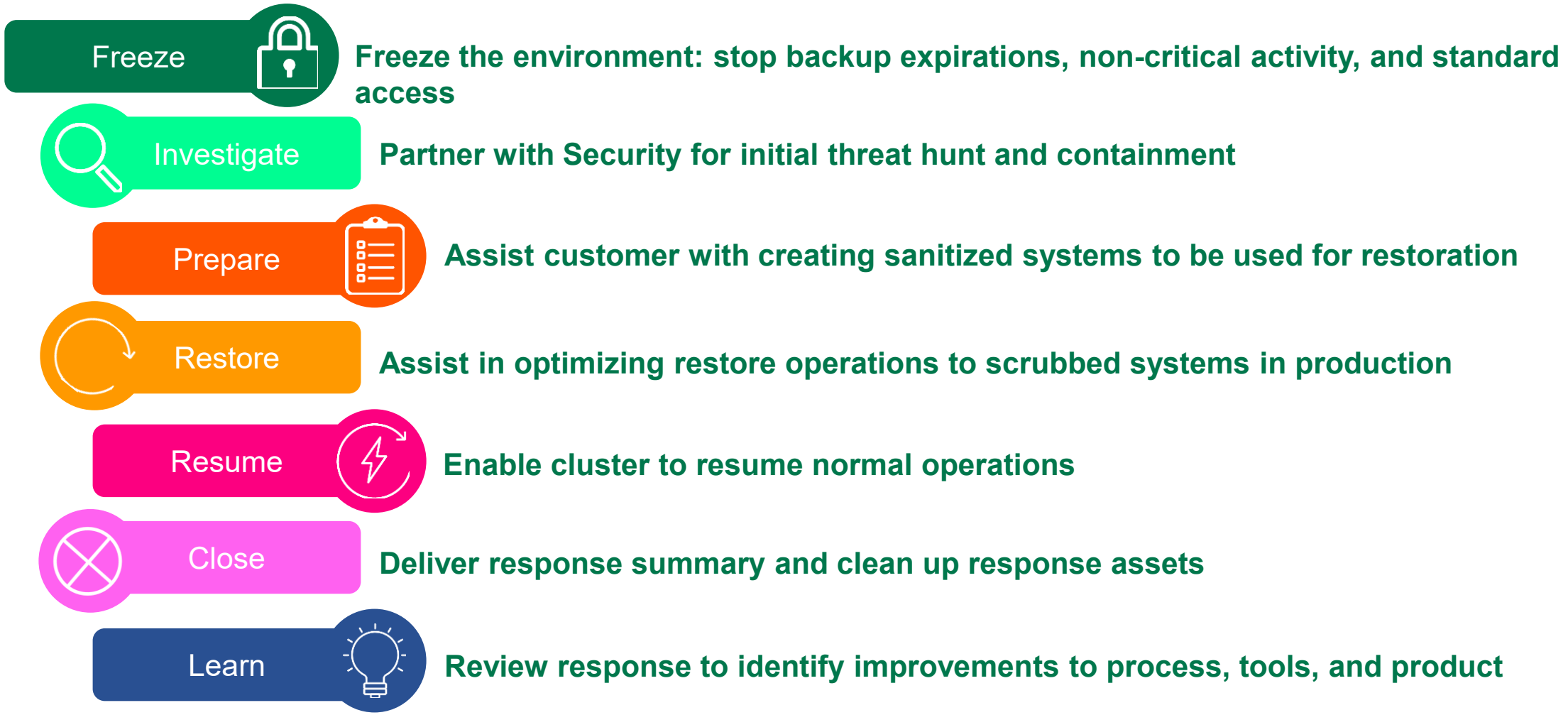
- Automated recovery orchestration
- Threat-aware workflows
- Rehearsals for Compliance Readiness



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Cohesity CERT High-Level Response

In the event a ransomware attack is identified anywhere in the customer's environment…



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5 REDUCE YOUR RISK from data theft

Optimize your data security posture

Assess incident impact

Identify unprotected critical data

Data classification

DSPM ecosystem
Data discovery & classification



Cohesity Data Cloud

NetBackup & Flex Appliances



Large Pattern Dictionary | Context Recognition | Name Entity Recognition | Ensemble Learning Models | DSPM Integration

Critical Success Factors

230+ Data Classifiers | Choose the Right DSPM Solution



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5 Categories to Cyber Resiliency

CUSTOMER CHALLENGES

• Siloed Data • Data Governance	• Ransomware attack on backup data	• Failure of early detection • Lack of security tools & integrations	• Lack of incident response & recovery • Limited CR process knowledge	• Sensitive data exfiltration

5 STEPS

1	2	3	4	5
Protect all data	**Ensure data is always recoverable**	**Detect and investigate threats**	**Practice application resilience**	**Optimize data risk posture**

MATURITY MODEL

Protect ▶ **Strengthen** ▶ **Respond** ▶ **Practice** ▶ **Optimize**

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5 Categories to Cyber Resiliency

Data Protection & Infrastructure Teams

CISO & SecOps Teams

- Siloed Data
- Data Governance

- Ransomware attack on backup data

- Failure of early detection
- Lack of security tools & integrations

- Lack of incident response & recovery
- Limited CR process knowledge

- Sensitive data exfiltration

5 STEPS

1 **Protect all data**

2 **Ensure data is always recoverable**

3 **Detect and investigate threats**

4 **Practice application resilience**

5 **Optimize data risk posture**

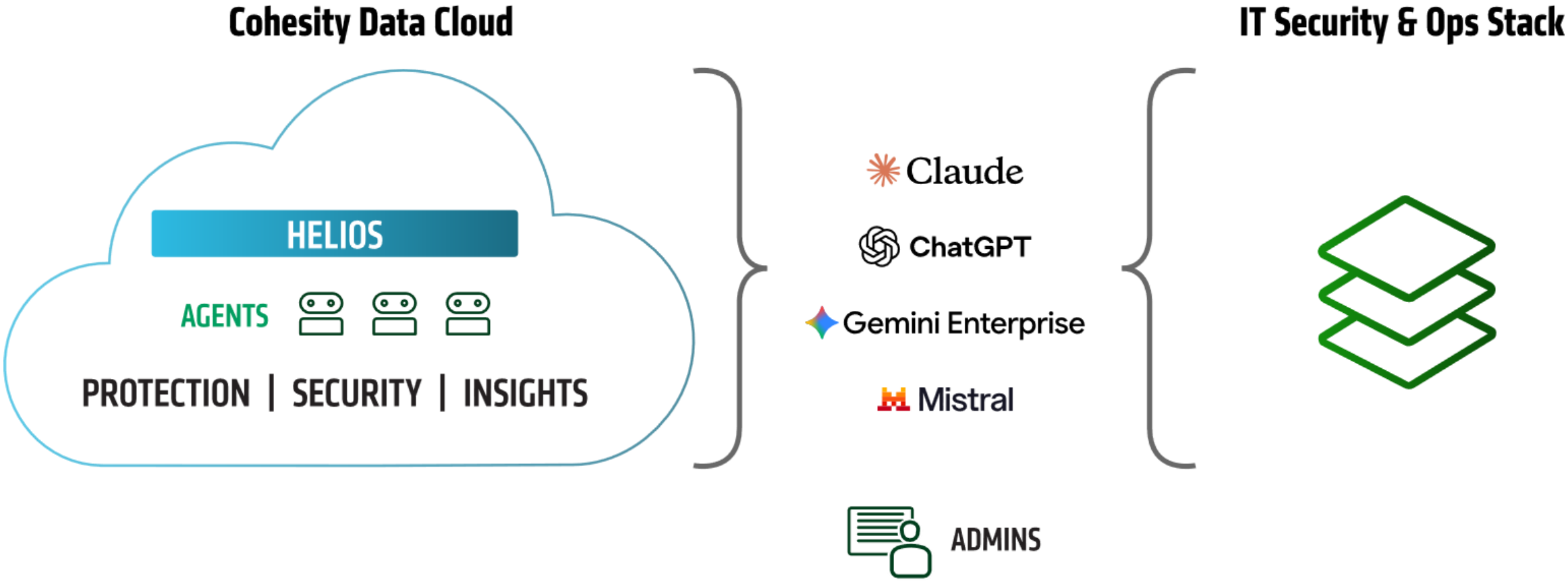
MATURITY MODEL

Protect ▶ Strengthen ▶ Respond ▶ Practice ▶ Optimize

COHESITY

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Cohesity Maestro:
Data Protection that works where you work



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Thank You!

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