



COHESITY

Cyber Resiliency with Cohesity

IT'S TIME FOR COHESITY & VERITAS



COHESITY

Cohesity + Veritas: The Leader in AI-powered Data Security

Our Mission:

*To protect, secure & provide insights into the world's data.
The largest organizations in the world rely on us for their Resilience.*

Our Focus:

Data Protection

- Broad Workloads
- Enterprise Scale
- Flexible Consumption

Data Security

- Threat Detection
- Posture Management
- Cyber Recovery

Data Insights

- GenAI Engine
- Search & Analytics
- Operational Insights

What We Bring:

\$1.7B
Revenue¹

**100+
EBs**
Data Protected

1600
Patents

2x
R&D of
Nearest
Competitor

19.4%
Market Share²
(Leader)

140
Global
Locations

12000
Customers

3000
Partners

Leader
Gartner MQ

Our Commitment to Our Customers



*Cohesity is committed to futureproofing our customers' investments ... this means ongoing support for **all Veritas NetBackup, NetBackup Appliances and Alta Data Protection** ... for many years to come".*

Sanjay Poonen, Cohesity CEO

Will Veritas data protection software,
cloud, and appliance products
continue to get roadmap investment?

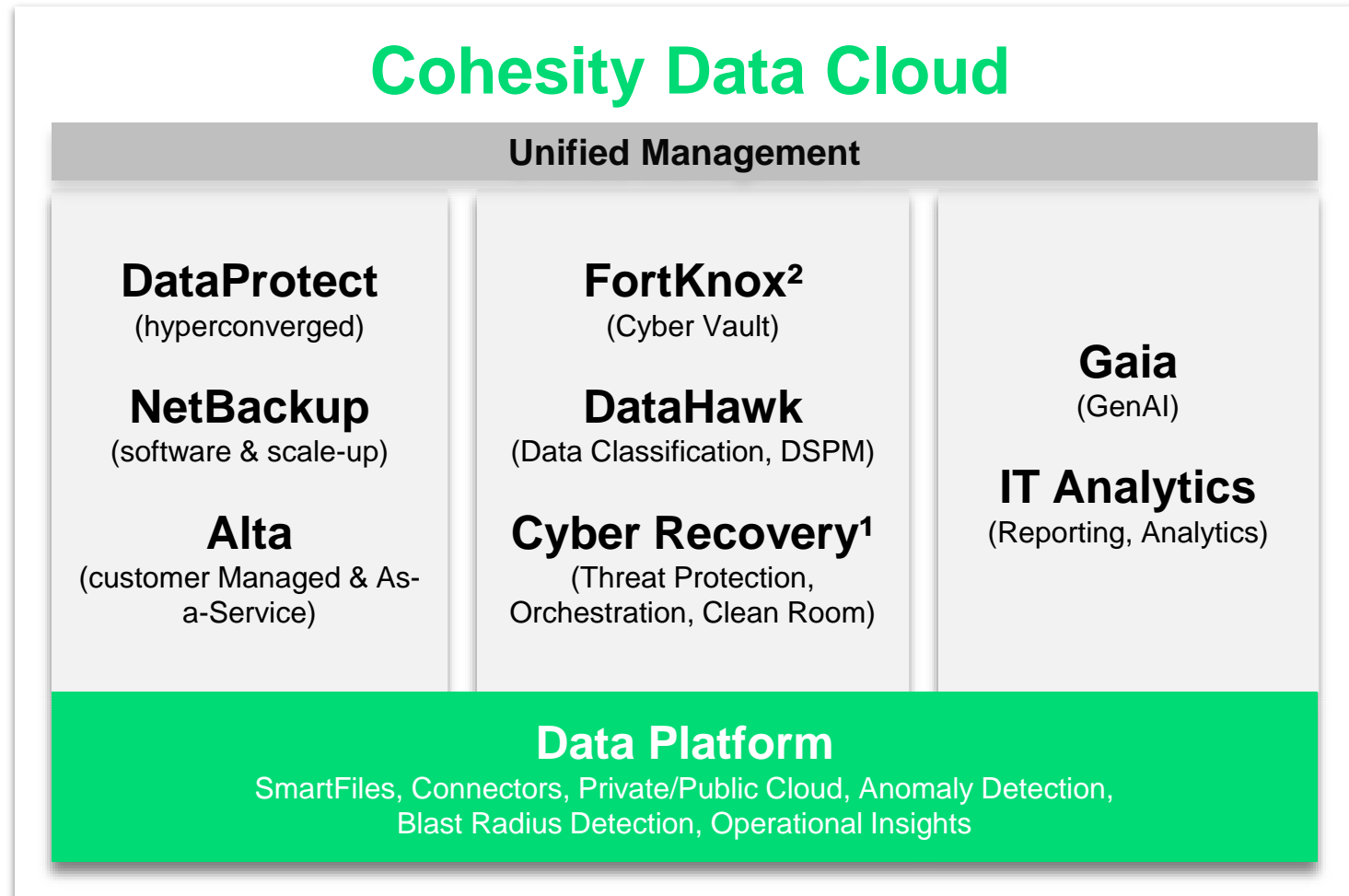
YES!

Will our customers be forced
to migrate?

NO!

NEW! Stay tuned for information regarding new commercial programs to further preserve your investment.

Cohesity + Veritas Product Roadmap



1 – Official Name TBD

2 – Includes Recover Vault



COHESITY

Cyber Resiliency

Concept of Resilience





ransomware attacks targeting ESX



Rise of the Half Moon



Fore Scout

<https://www.forescout.com> › blog › vmware-esxi-servers...

VMware ESXi: A Major Attack Vector for Ransomware

Aug 1, 2024 — ESXi is a high-yielding target for attackers since it hosts several VMs, allowing attackers to deploy malware once and encrypt numerous servers ...



The Hacker News

<https://thehackernews.com> › Cybersecurity News

Ransomware Attacks Exploit VMware ESXi Vulnerabilities ...

May 23, 2024 — Ransomware attacks targeting VMware ESXi infrastructure follow an established pattern regardless of the file-encrypting malware deployed, new findings show.



sygnia.co

<https://www.sygnia.co> › Blog

ESXi Ransomware Attack: Evolution, Impact, and Defense

May 15, 2024 — Discover the evolution, impact, and defense strategies against ESXi ransomware attacks. Learn how to protect your virtualized environments ...



Microsoft

<https://www.microsoft.com> › security › blog › 2024/07/29

Ransomware operators exploit ESXi hypervisor ...

Jul 29, 2024 — In a ransomware attack, having full administrative permission on an ESXi hypervisor can mean that the threat actor can encrypt the file system, ...



The Hacker News

<https://thehackernews.com> › Cybersecurity News

Ransomware on ESXi: The Mechanization of Virtualized ...

Jan 13, 2025 — In 2024, ransomware attacks targeting VMware ESXi servers reached alarming

NIST Cyber Security Framework and Best Practices

Protect all data
from all sources

Detect threats as well
as signs of threats

Recover to anywhere
from anywhere



National Institute of Standards and Technology

INTERNATIONAL USE | Translations, Adaptations, and Other References Worldwide:



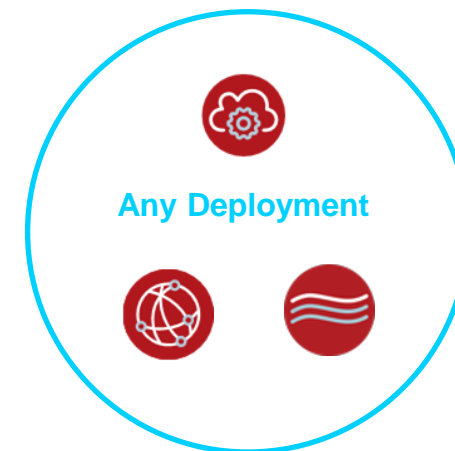
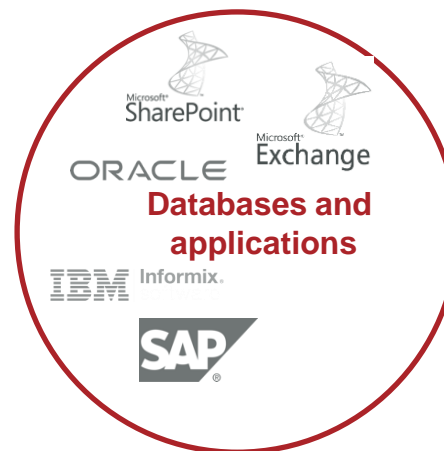
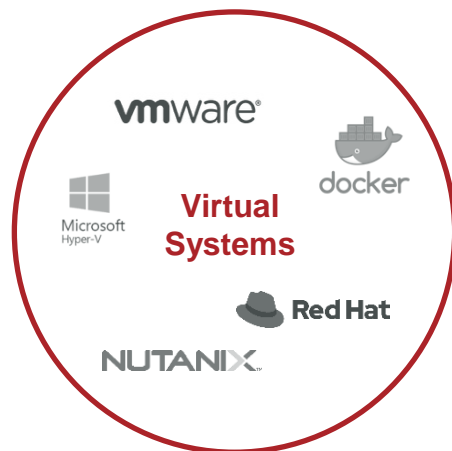


Netbackup

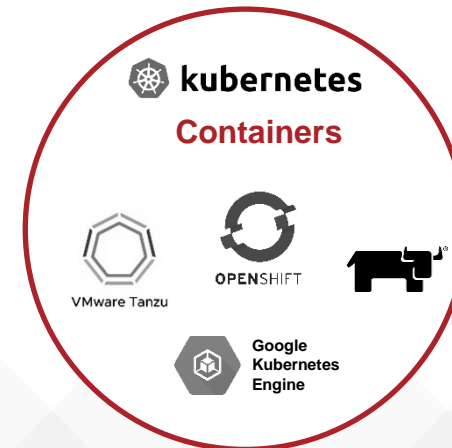
Pulai András

Pre-sales engineer

VERITAS™



NetBackup Unmatched Flexibility



Secure by Design



Prevent Unauthorized Access

- Network Access Control and MFA
- Root Access Removal
- Restricted Admin Access
- RBAC and Mandatory Access Control
- File System, Namespace and Network Isolation



Threat Monitoring, Scanning and Alerting

- Anomaly Detection, Threat Hunting, Malware Scanning
- Intrusion Detection System
- Audit Logging and Log Forwarding



Turnkey Cyber Resilience

NetBackup Flex and Flex Scale



Continuous Threat Mitigation

- Threat intelligence team provides expedited fixes to new vulnerabilities and threats as they emerge



Indestructible Data

- WORM with Indelible Compliance Clock Multi-Person Authorization
- Restricted IPMI



Unbreakable Data Isolation

- Virtual AirGap (pull data model)

Independently pen-tested by 3rd party companies on behalf of two large financial institutions.
FOUND TO BE SECURE

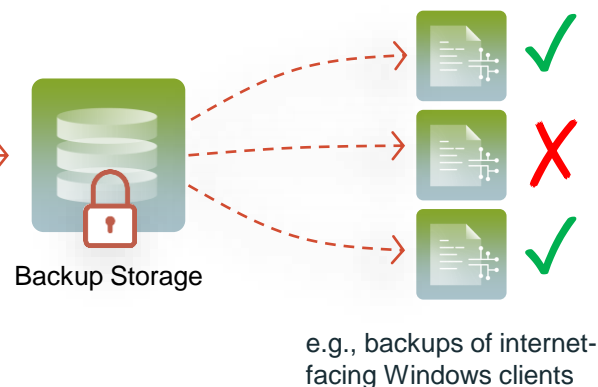
High-Level Overview of Malware Detection in NetBackup

During Backup



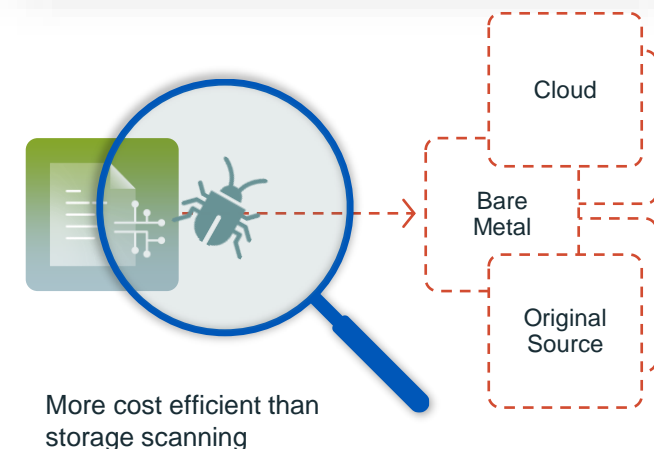
Anomaly detection in near real-time

Post Backup



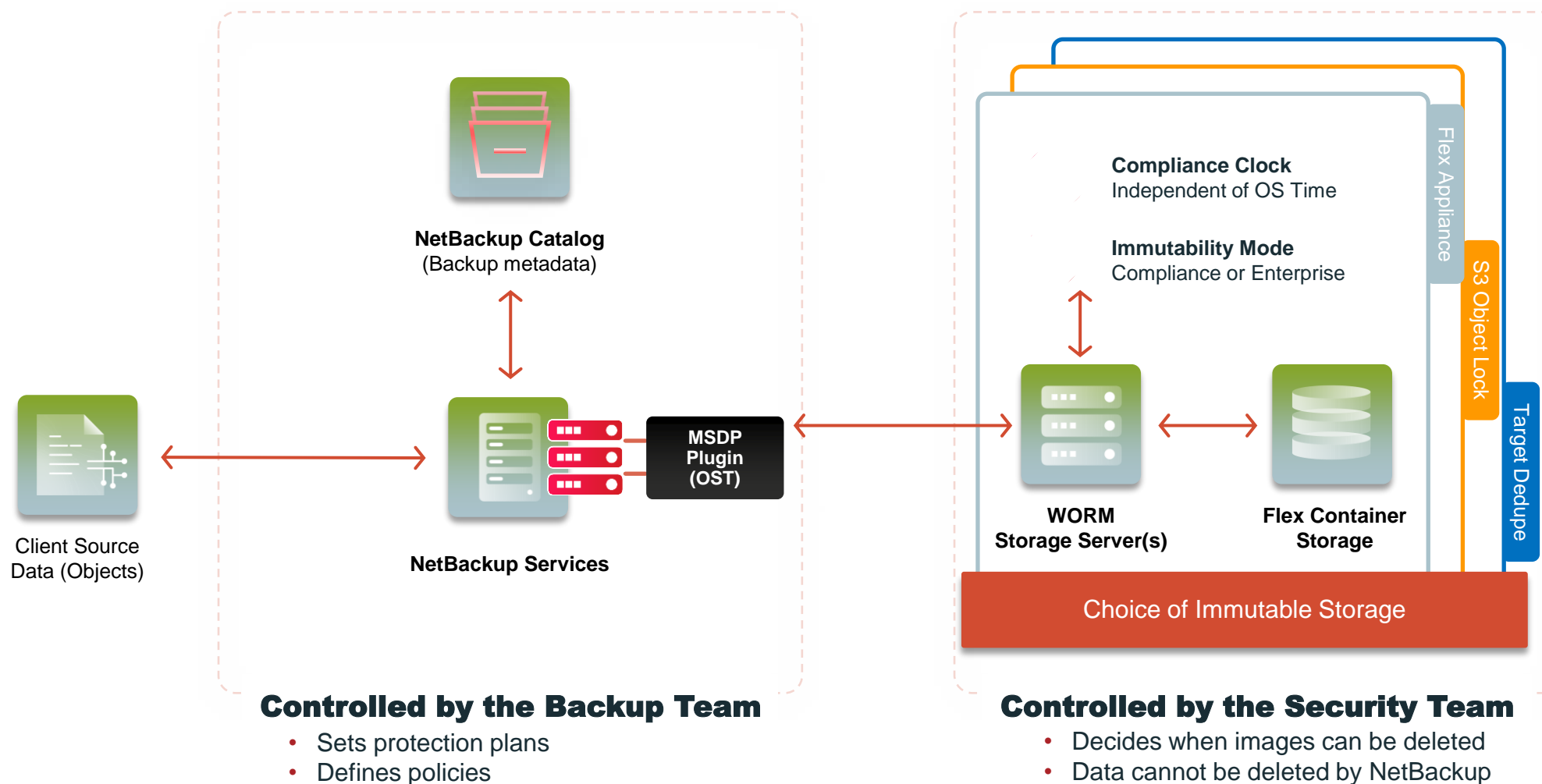
Spot-checking of known high-risk areas

Before Restore




Scanning before restore to ensure clean data

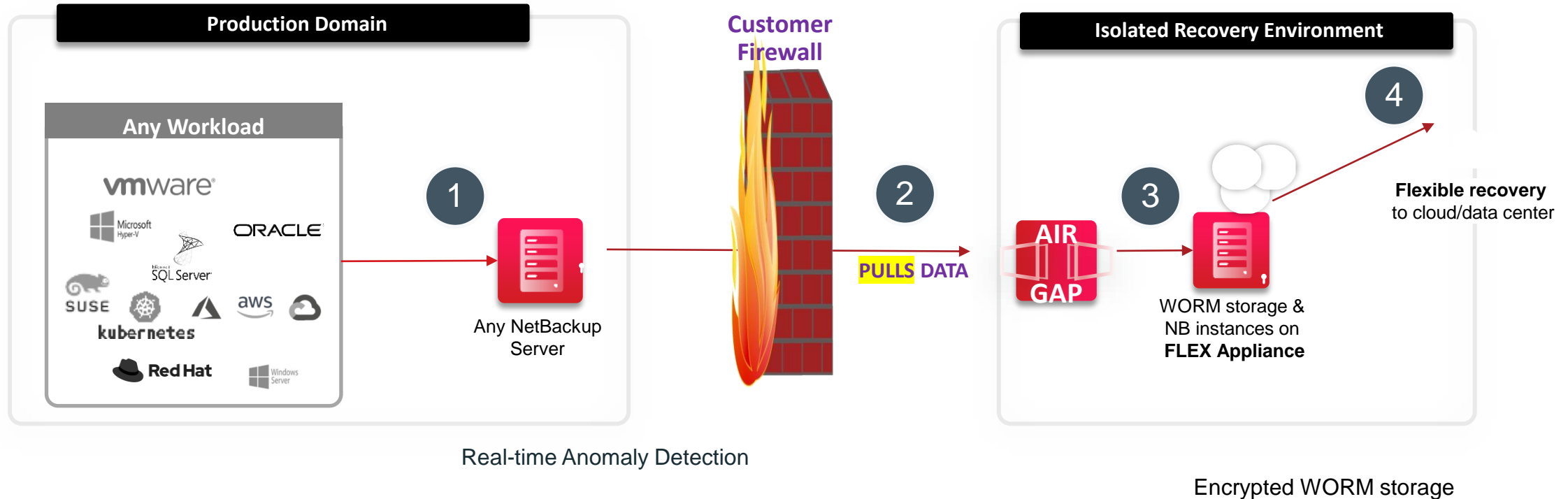
Immutable Storage



NetBackup Isolated Recovery Environment (IRE)

Eliminate need for Listening ports | Support 24 x 7 Data Replication | Pull Model

 Powered by NetBackup



1 Real-time Anomaly Detection and On-Demand Malware Scan

2 OPTIONAL - Data Isolation using an operable air gap

3 Data Integrity with multi-tenant WORM storage

4 Recover at scale to "Last Known Good State"

Threat Hunting and Blast Radius Analysis

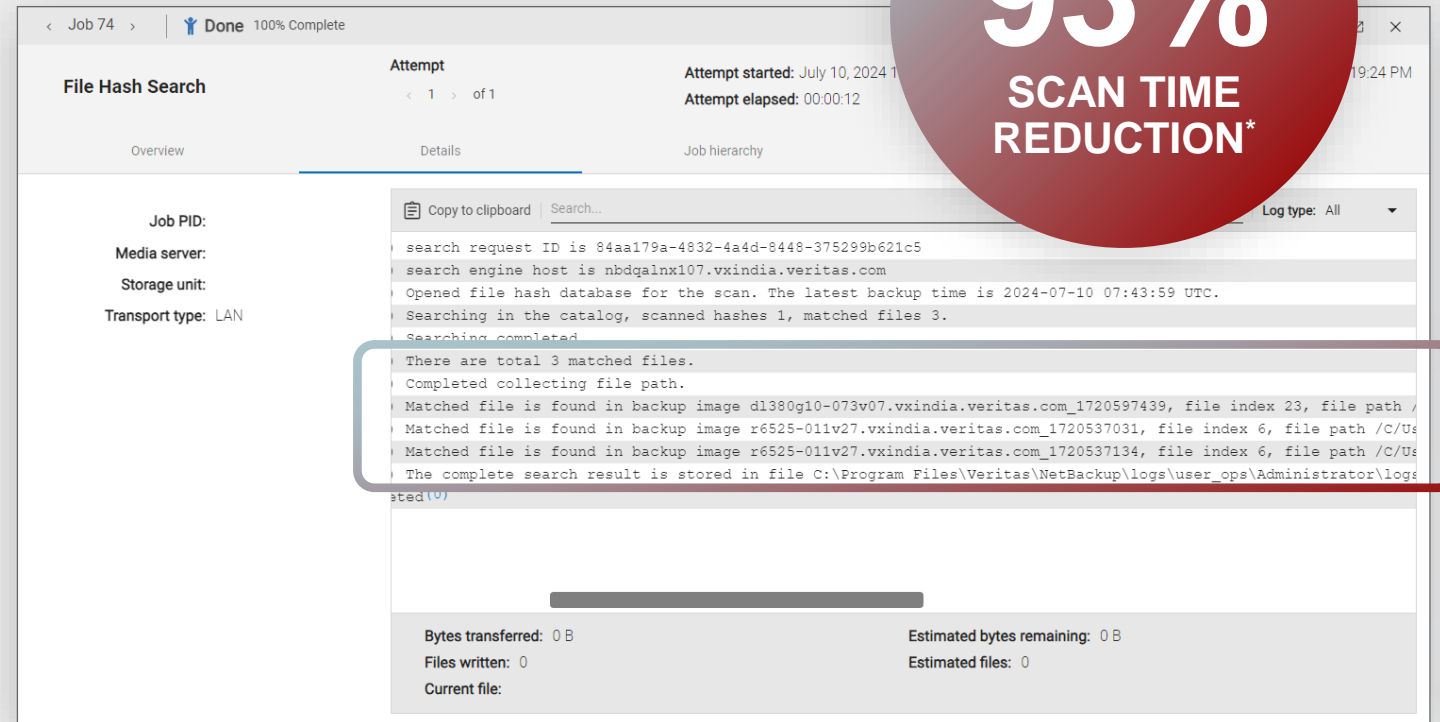
ABOUT THE FEATURE

- Search for potential Incidents of Compromise (IoCs)
- Searches index (vs. full scan) of hash-based signatures created from recent scans

BENEFITS

- Reduce search time from hours to minutes
- Identify all infected unstructured files across the entire NetBackup environment

UP TO
93%
SCAN TIME
REDUCTION*



*Based on one TB of data, anticipate scan time reduction to increase as data volume increases

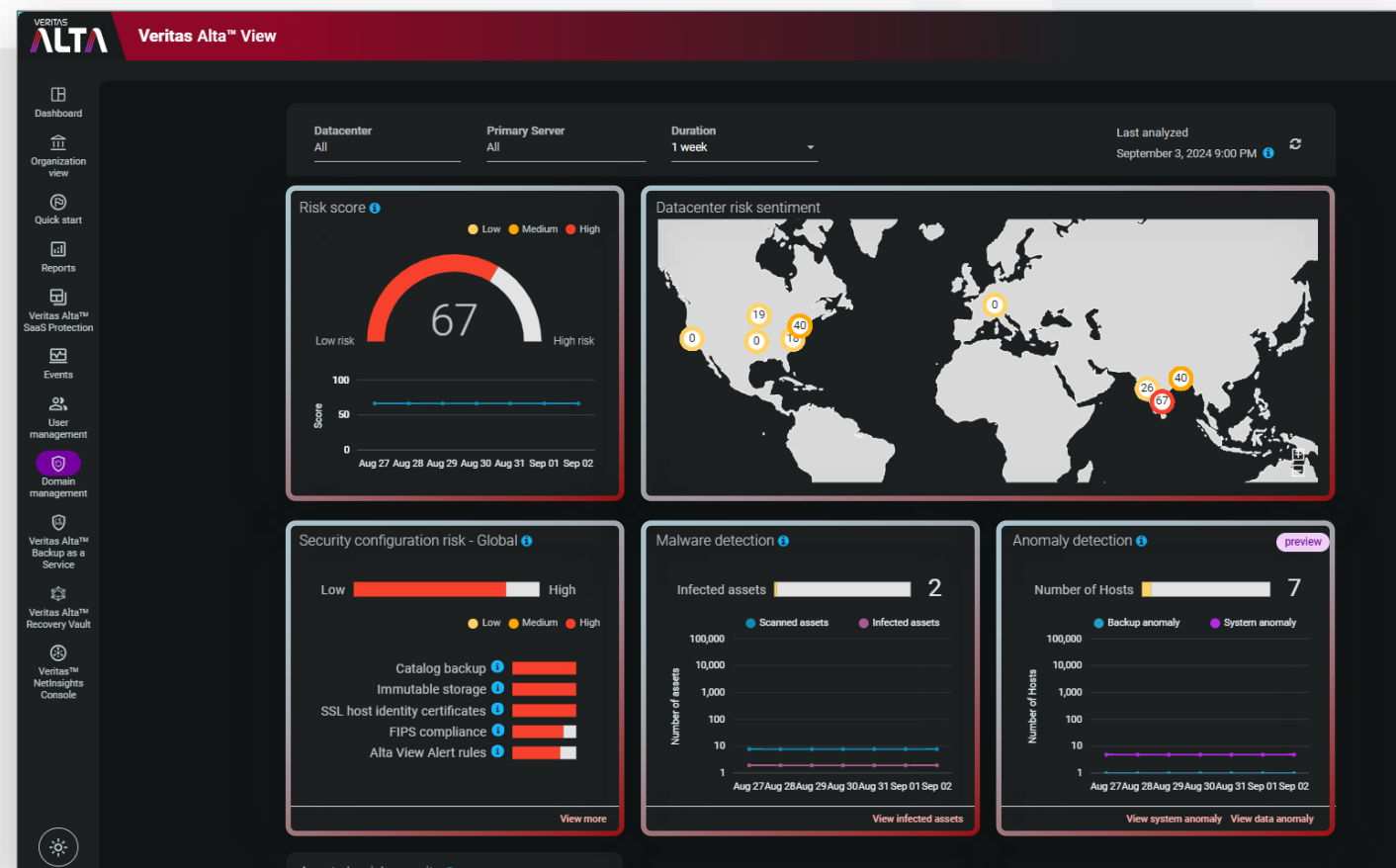
Automated Risk Assessment and Security Score

ABOUT THE FEATURE

- Visualize risk posture across entire data estate (datacenters, clouds, regions, etc.)
- Minimize duplicative alerts

BENEFITS

- Quickly ID and mitigate risks
- Reduced alert fatigue
- Evaluate and improve current risk mitigation measures

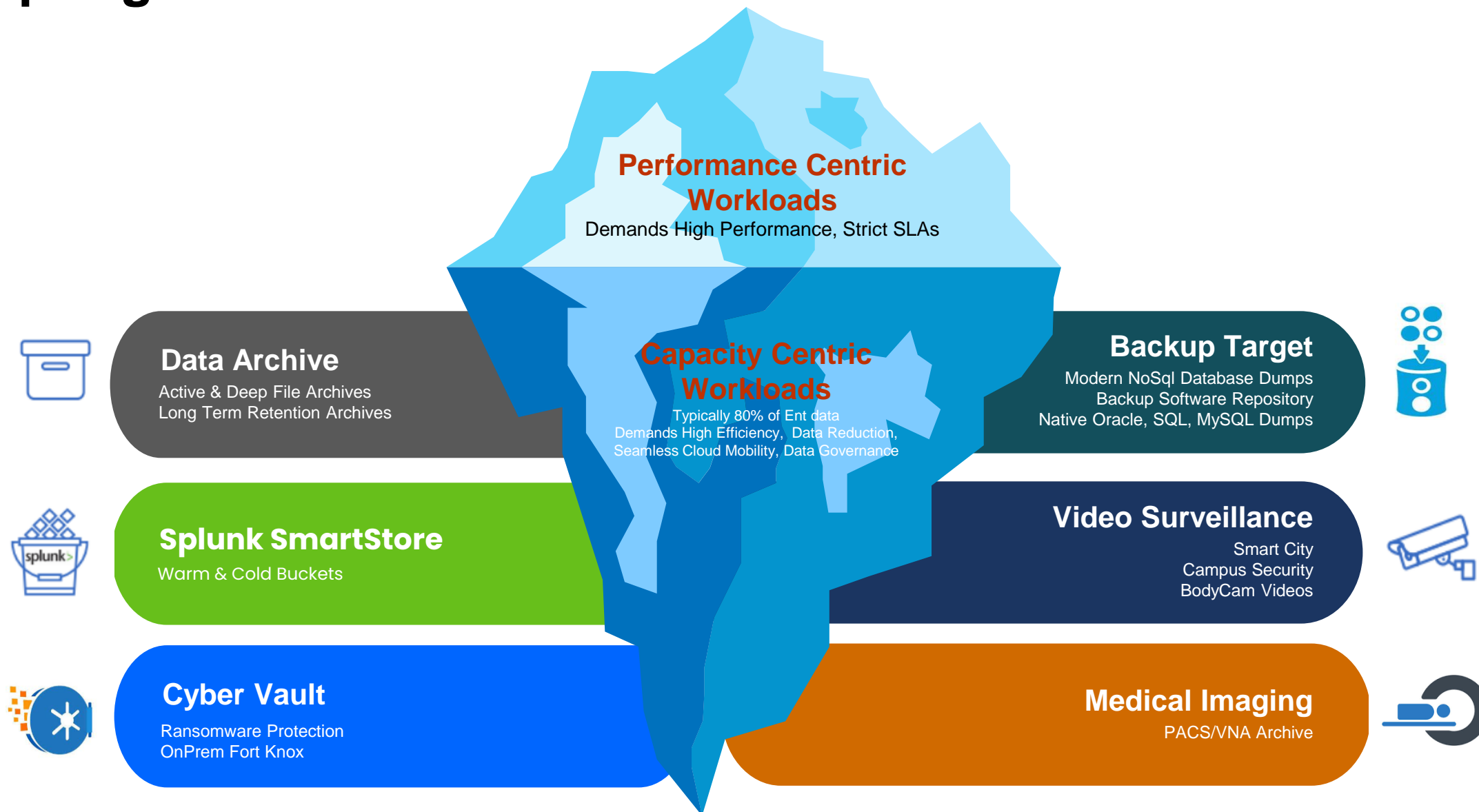




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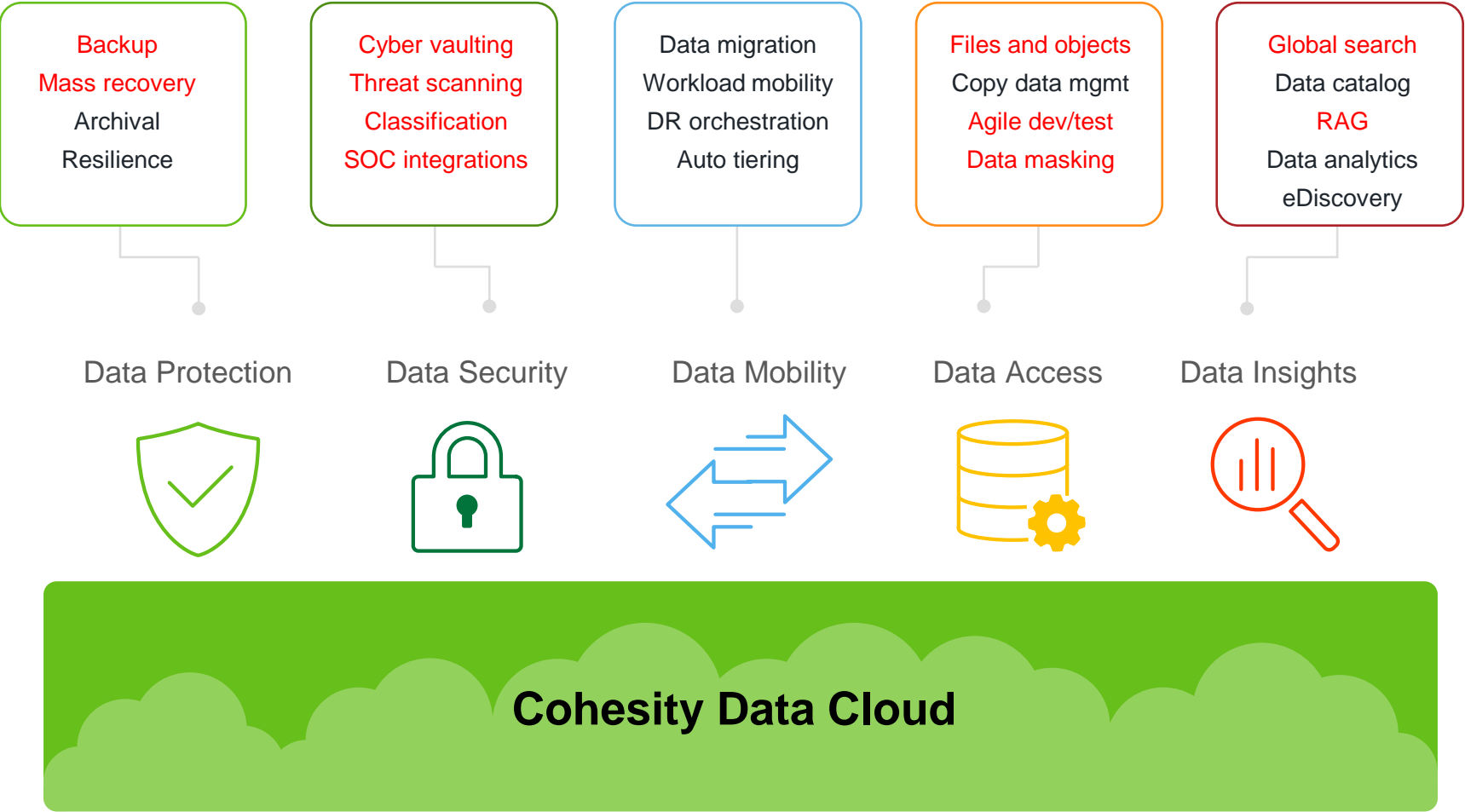
Cohesity Data Platform

Top High Level Use Cases



Unified, End-to-End Platform for AI-Powered Data Security & Management

MANAGE
SECURE
INSIGHTS



Simple | Scalable | Secure | AI Ready | Extensible

Data Security Alliance

Extensive Security Ecosystem

MANAGE
SECURE
INSIGHTS

LEADING DATA SECURITY ALLIANCE



DATA SECURITY POSTURE MANAGEMENT PARTNERS



SECURITY ADVISORY COUNCIL



Kevin Mandia
CEO Mandiant,
Google Cloud



Marianne Bailey
Former NSA
Exec and DOD CIO/CISO



Kelly Bissell
Corporate Vice President,
Microsoft Security Services



Alex Stamos
Former CSO,
Facebook and Yahoo



Sheila Jordan
Chief Digital
Technology Officer,
Honeywell



Jason Chan
Former VP of
Information Security,
Netflix



Laura Mather
Group COO
Societe Generale

World-Class AI/ML Capabilities

MANAGE
SECURE
INSIGHTS

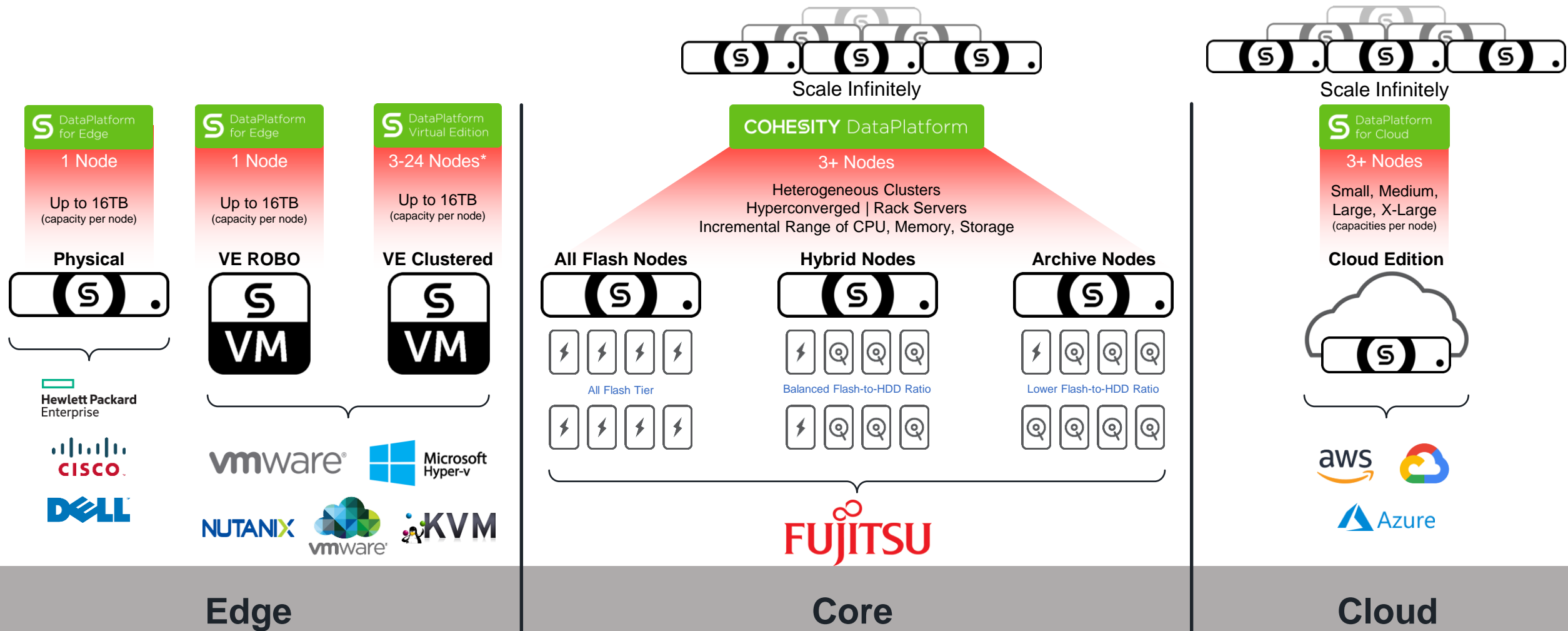




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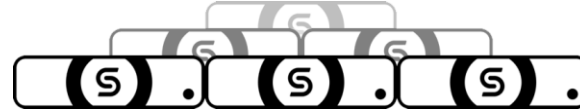
Architecture and Services

Ultimate Scale & Flexibility



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

Link to all certified platform vendors and models are found [HERE](#)



20TB 
RX2540 M6

40TB 
RX2540 M6

48TB 
RX2540

80TB 
RX2540 M6

96TB 
RX2540

120TB 
RX2540 M6

TM

kapacitás / 1 node

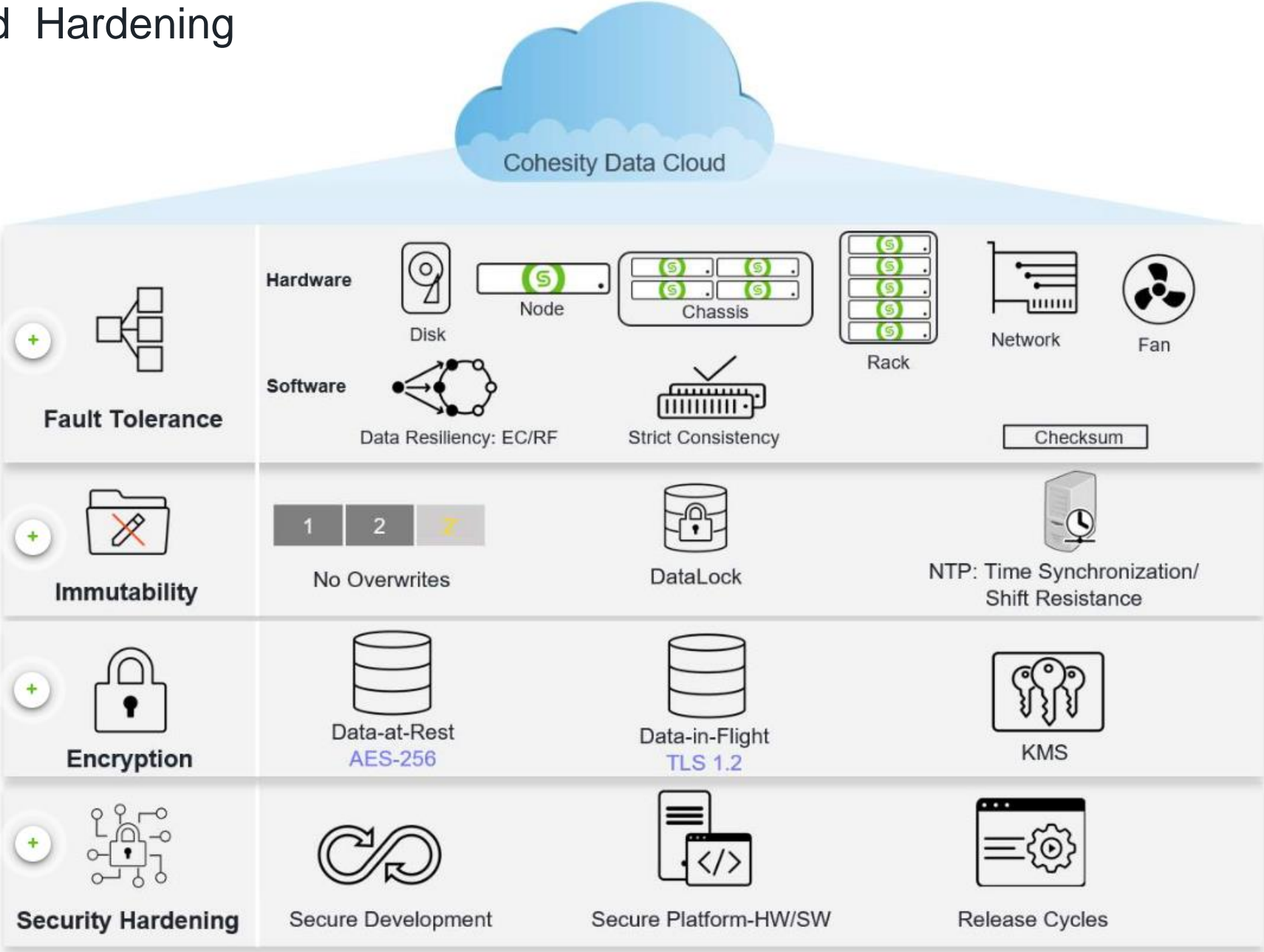
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Cyber Resiliency

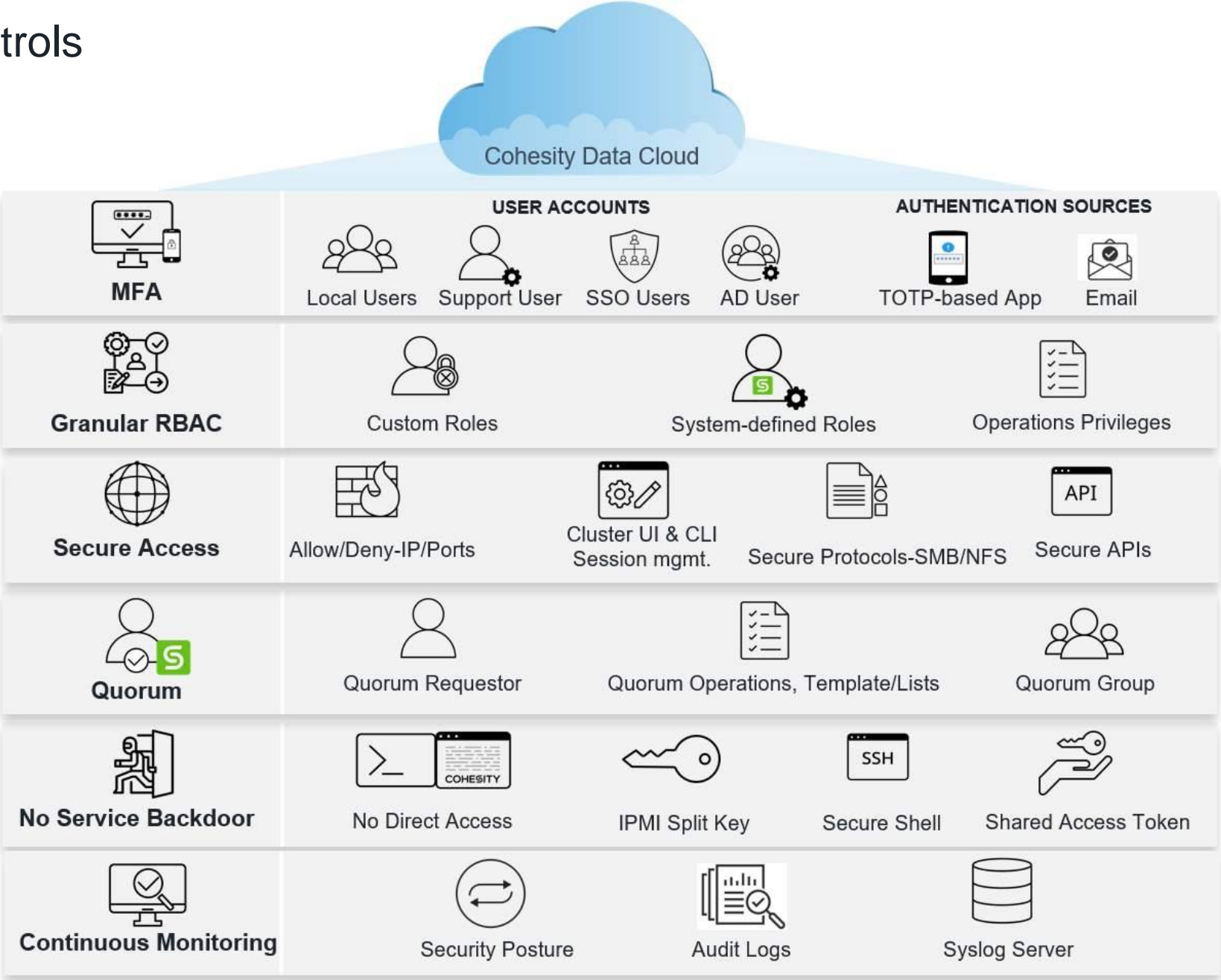
Cyber Resilience Framework



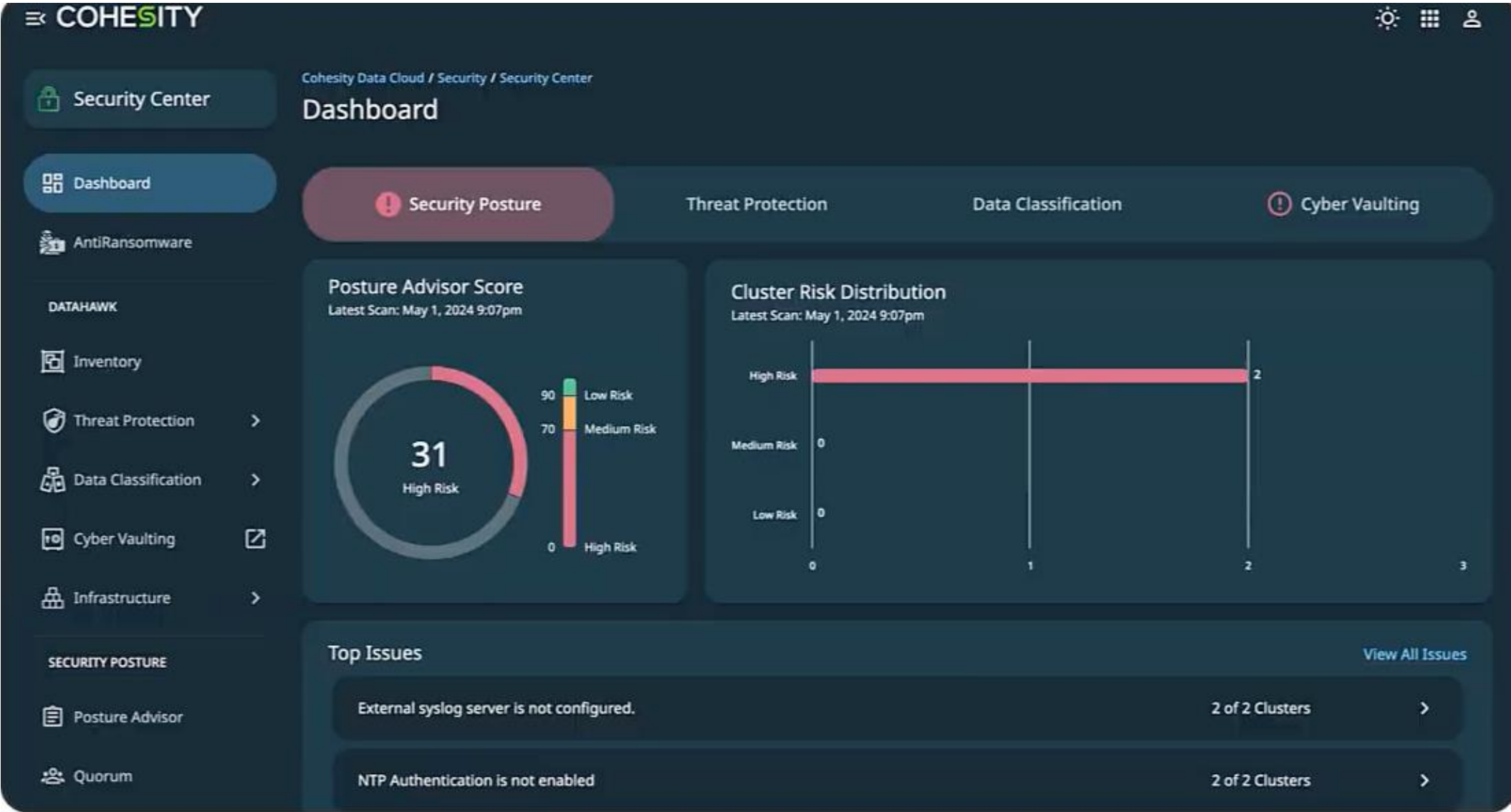
Resiliency and Hardening with Cohesity



Zero Trust Controls



Secury Dashboard / Security Posture

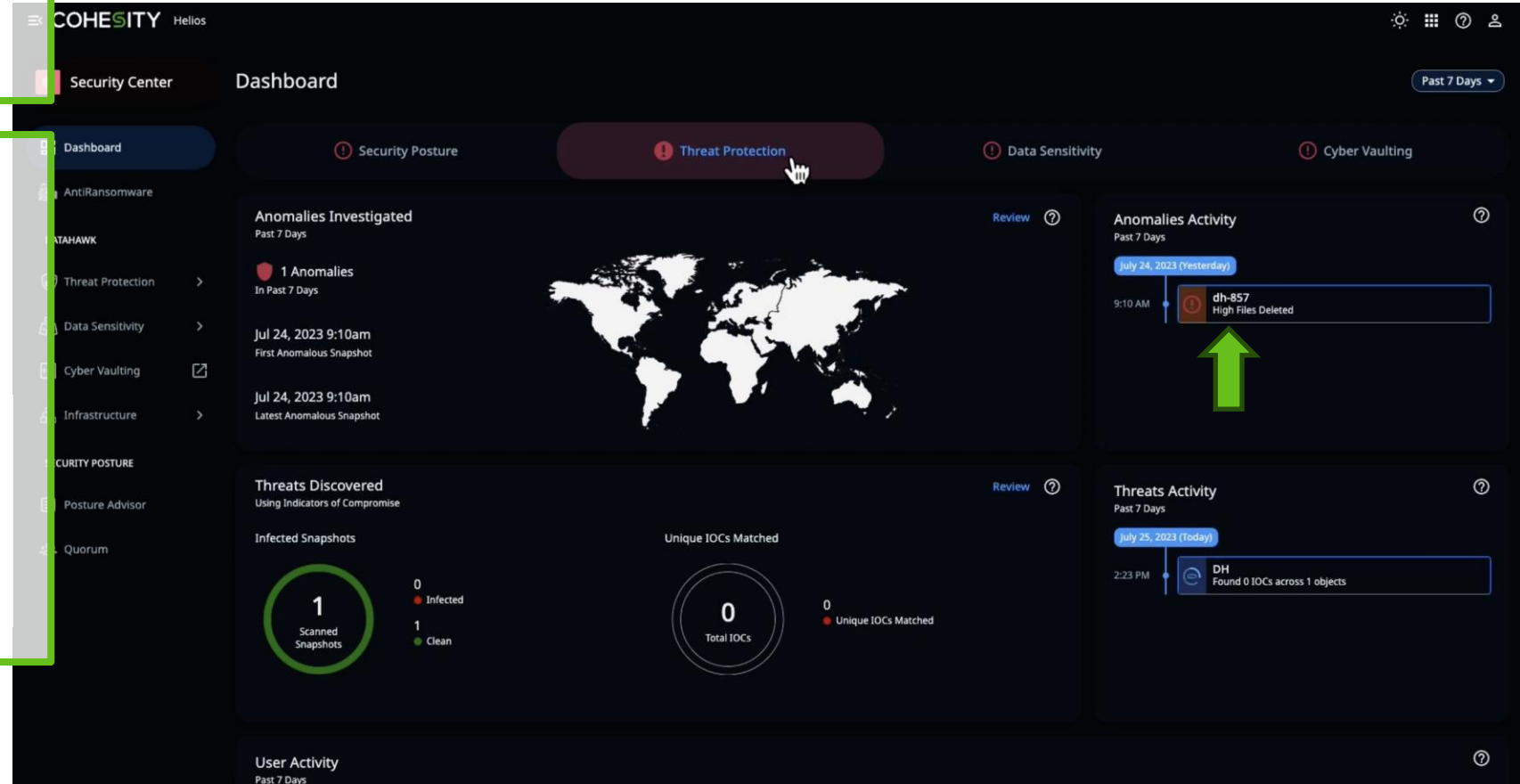


Cohesity Threat Protection



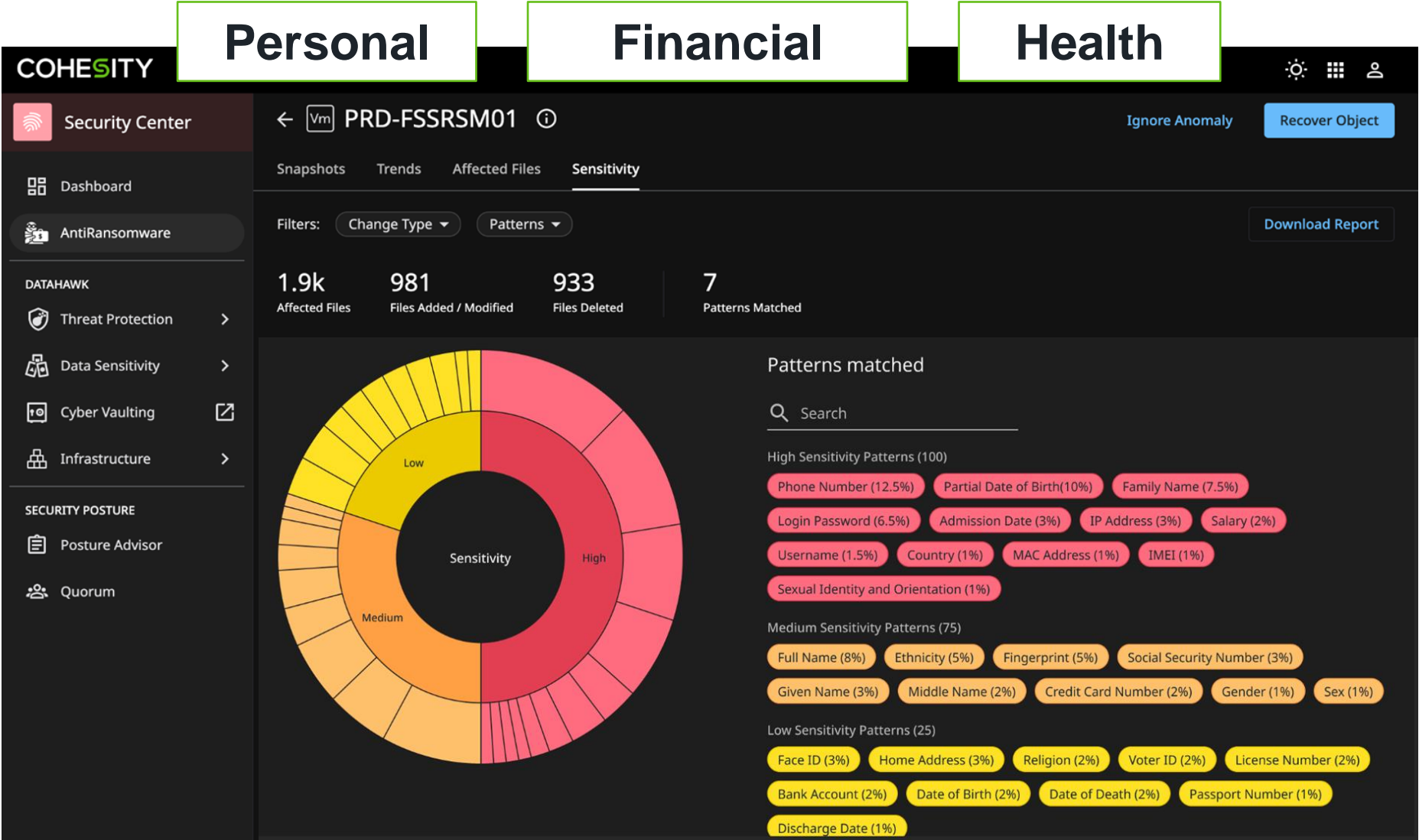
Cohesity leverages threat feeds from Qualys to scan from over 100,000 IOCs

- 1 Customers can leverage all these IOCs to scan their backups
- 2 Threat feed is updated daily, eliminating the need for manual scanning rules and feed updates.



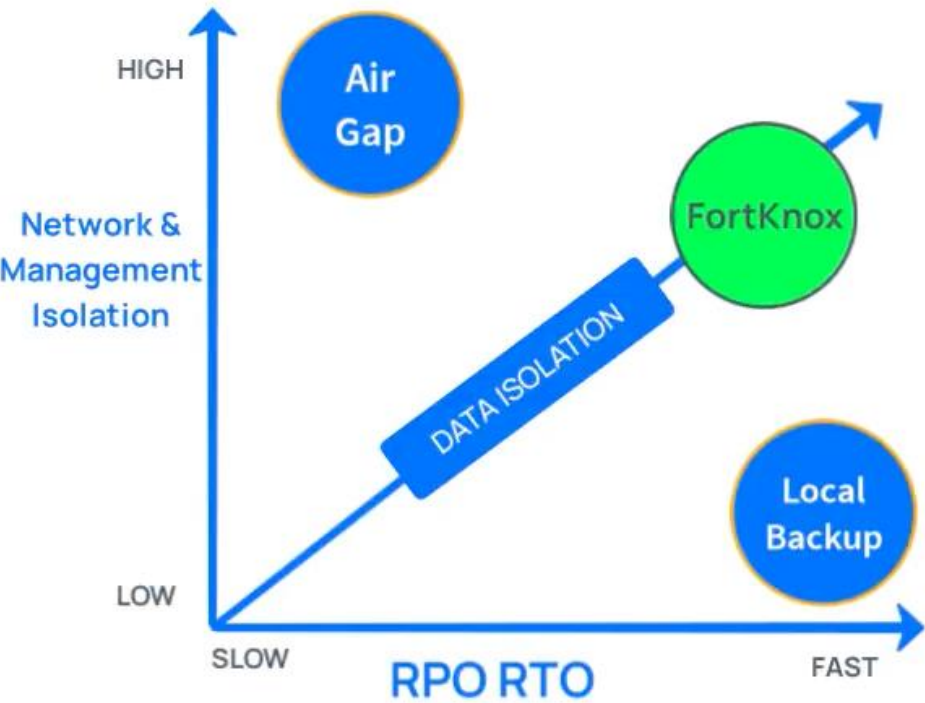
Advance Pattern Matching

Data Classification



Data Isolation: Cohesity FortKnox

FortKnox = Fast & Secure Data Isolation
FortKnox requires Quorum



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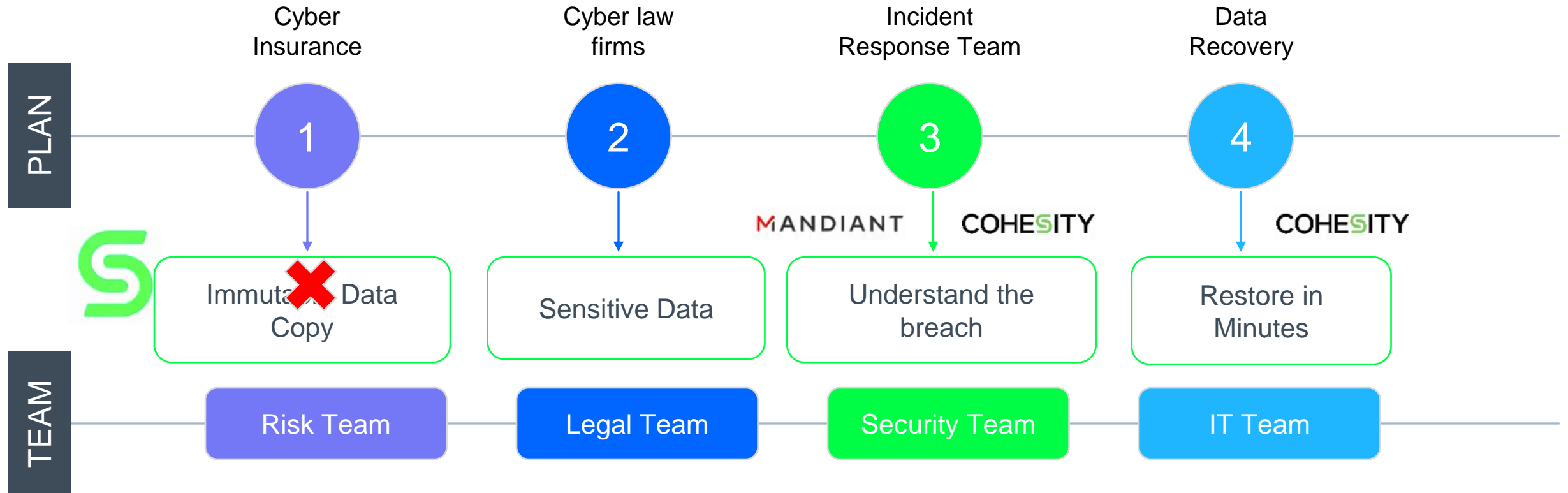
Cyber Resiliency / Navigating Cyber Events

Cyber Event Response Team

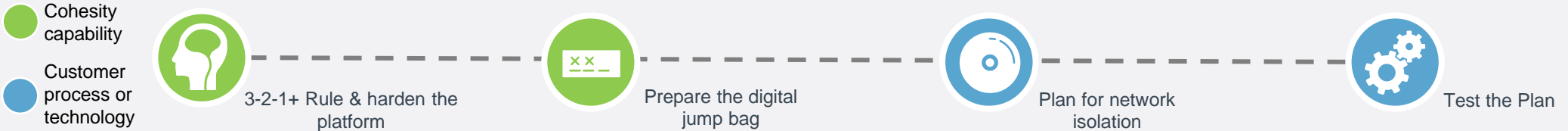


Customers should open a support case with Cohesity CERT as soon as an attack is confirmed

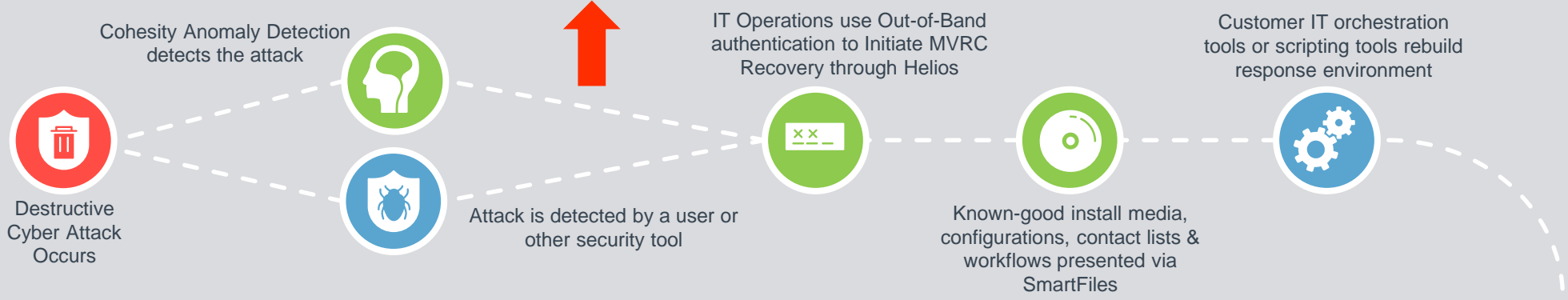
Effective Cyber Event Response & Risk Mitigation



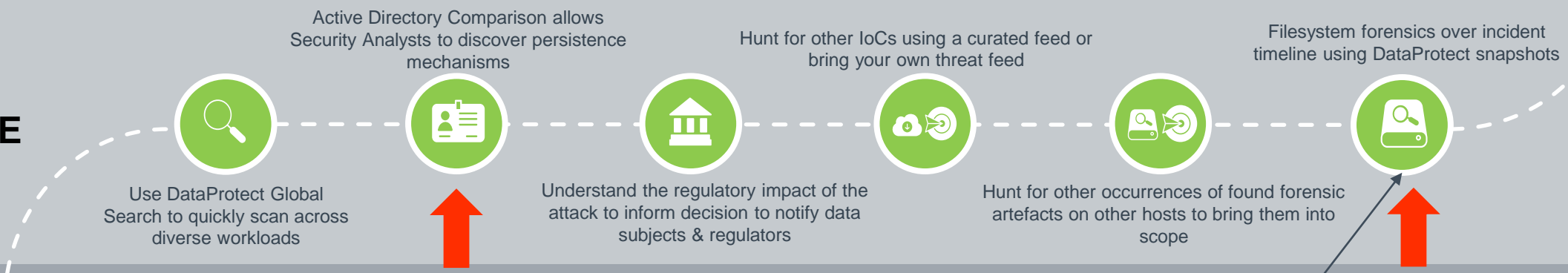
PREPARE



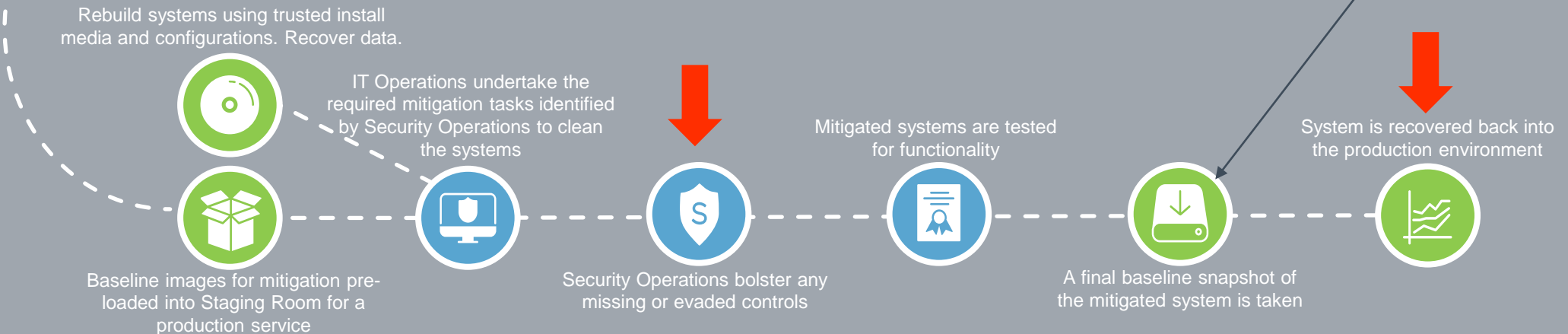
INITIATE



INVESTIGATE



MITIGATE



Call to Action / Házi feladat!

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Cyber Insurance form

BACKUP AND RECOVERY POLICIES

Do you use a data backup solution?

☐ Yes☐ No

If "Yes":

a. Which best describes your data backup solution?

☐ Backups are kept locally but separate from your network (offline/air-gapped backup solution).

☐ Backups are kept in a dedicated cloud backup service.

☐ You use a cloud-syncing service (e.g. Dropbox, OneDrive, SharePoint, Google Drive).

☐ Other (describe your data backup solution): _____

b. Check all that apply:

☐ Your backups are encrypted.

☐ You have immutable backups.

☐ Your backups are secured with different access credentials from other administrator credentials.

☐ You utilize MFA for both internal and external access to your backups.

☐ You have tested the successful restoration and recovery of key server configurations and data from backups in the last 6 months.

☐ You are able to test the integrity of backups prior to restoration to ensure that they are free of malware.

c. How frequently are backups run?

☐ Daily☐ Weekly☐ Monthly

d. Estimated amount of time it will take to restore essential functions using backups in the event of a widespread malware or ransomware attack within your network?

☐ 0-24 hours☐ 1-3 days☐ 4-6 days☐ 1 week or longer

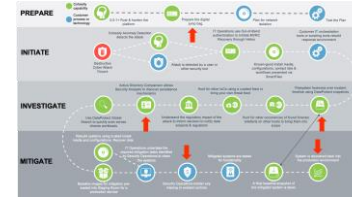
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Házi feladat: A mentésekkel kapcsolatban:

1. Használnak **MFA-t** ? (Ha van, de nem, akkor Isz kapcsoljátok be!)
2. Használnak **multi-person autorizációt** / quorum-ot a kritikus műveletekhez ?
Képes lenne erre a mentő software-ük?
3. Van **WORM** másolatuk az adatokról ? (Ha van lehetőség, akkor Isz kapcsoljátok be, felhőbe is!)
4. Képes a mostani tárolójuk **Immutable** adattárolásra ? **SmartFiles!**
5. Van **külső helyszínen** másolatuk az adatokról (air-gap) ?

Házi feladat: A mentésekkel kapcsolatban:



1. Van-e leírt / átbeszélt Ransomware helyreállítási terv?

2. Van-e összekészítve egy “digital jumpbag” ?

Cohesity SmartFiles!

- Az alap SW csomagok, amivel fel lehet majd építeni egy tiszta szobát a sérülés megértésére.
- Amiben benne vannak a minimálisan szükséges rendszerek a válaszadásra
- Kommunikációs csomagok

3. Kapnak segítséget Ransomware helyzetben a gyártótól? (Cohesity CERT team)

4. Helyreállítási folyamathoz van-e elképzelés? (Cohesity Celan Room solution)

Érdekes olvasnivaló

Use Cohesity for Your Veeam Backup Repository

<https://docs.cohesity.com/HomePage/PDFs/Cohesity-Solution-Guide-Veeam-Backup-Repository.pdf>

(Ratmir Timashev – Object First)

Use Cohesity for Your Commvault Storage Libraries

<https://docs.cohesity.com/HomePage/PDFs/Cohesity-Solution-Guide-CommVault.pdf>

Use Cohesity as HPE NonStop Systems Backup Repository

<https://docs.cohesity.com/HomePage/Content/ExternalFiles/TechGuides/Cohesity-Solution-Guide-HPE-NonStop-Systems-Backup-Repository.pdf>

Use Cohesity for Your IBM Spectrum Protect Storage Pools

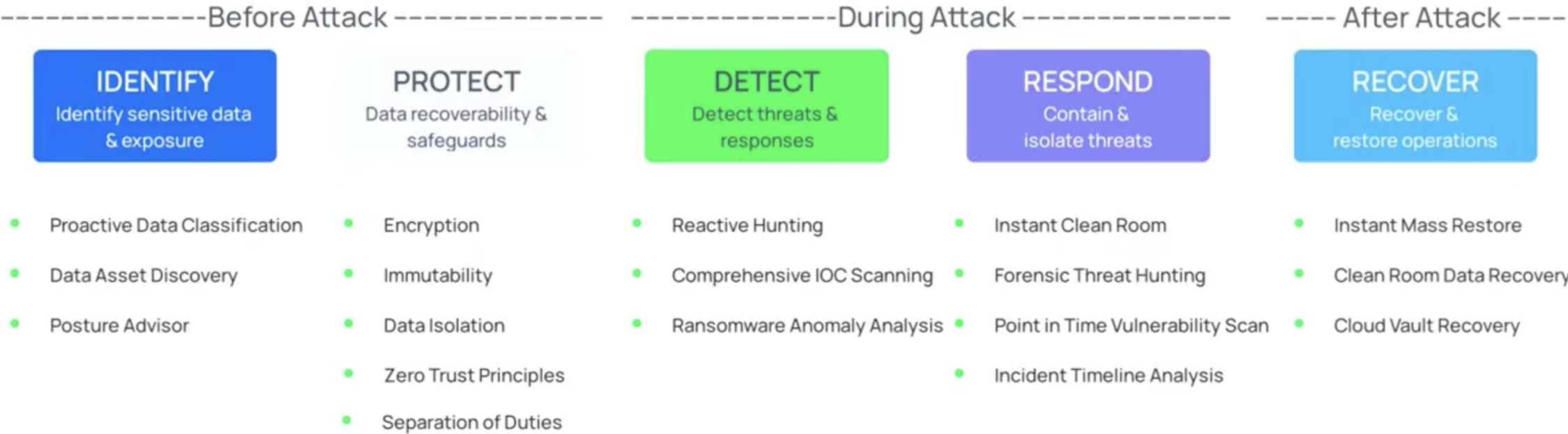
<https://docs.cohesity.com/HomePage/PDFs/Cohesity-Solution-Guide-IBM-Spectrum-Protect.pdf>

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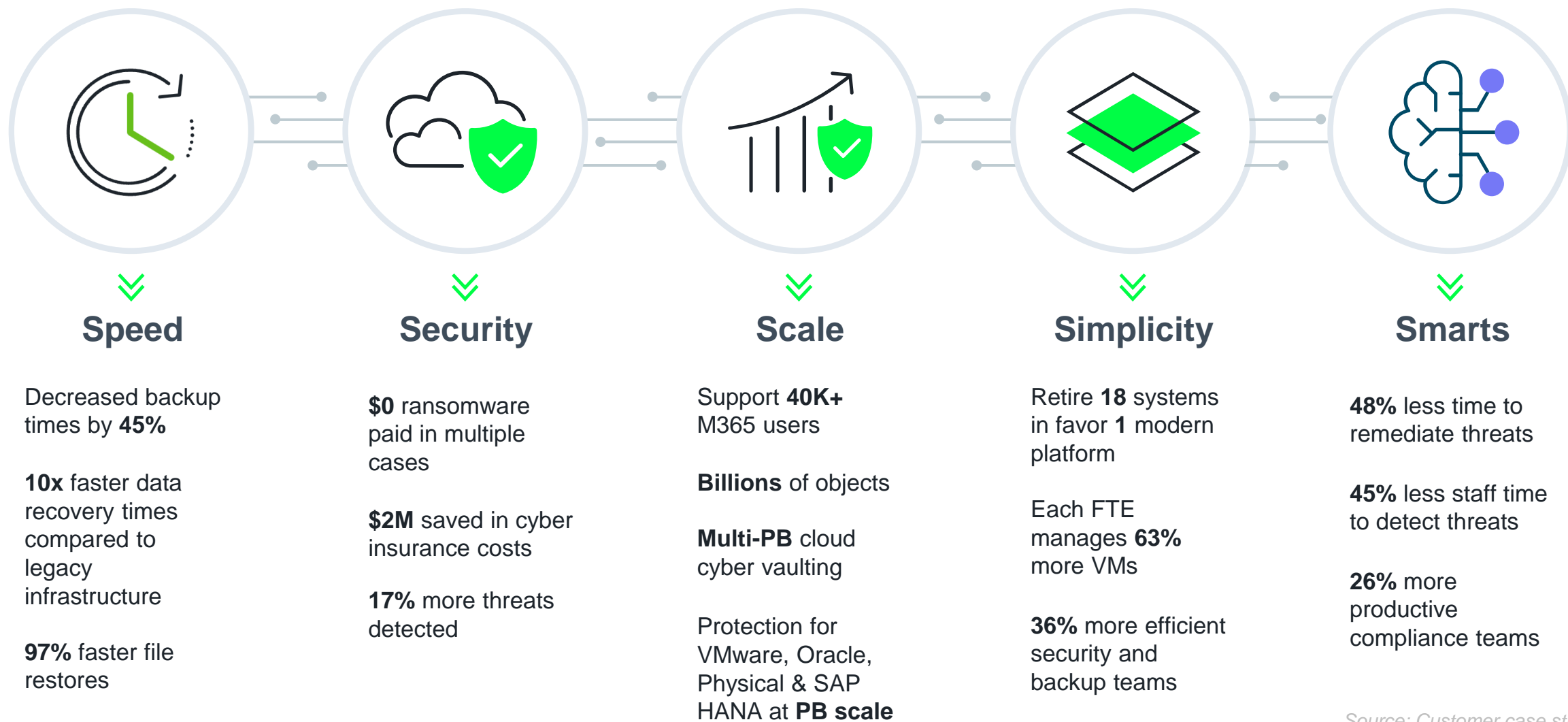
Summary



Cohesity's Team Sport Approach to Modern Data Security



Cohesity Data Cloud Delivers Superior Outcomes



Source: Customer case studies, IDC



Thank You

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