

Hitachi Vantara

HITACHI

VSP One Block 85

Built for the Most Demanding Enterprise Workloads

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PosAm TechDays

Date
October 2026

TECH
DAYS²⁰²⁶

The Data Foundation for Innovation
Our Strategic Framework

HITACHI

Hybrid Cloud
Infrastructure

Platforms for Growth

Data
Management

Value Maximization



Artificial
Intelligence

Outcome Driven

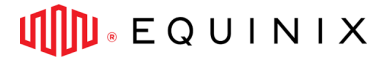
Green
IT

Global & Social Impact

Our Technology Ecosystem Partners

HITACHI

Cloud Alliances



Managed Service Providers



ISV and Technology Partners



HAMMERSPACE



ANSIBLE



HashiCorp
Terraform

Technology Alliances



NVIDIA



Commvault®

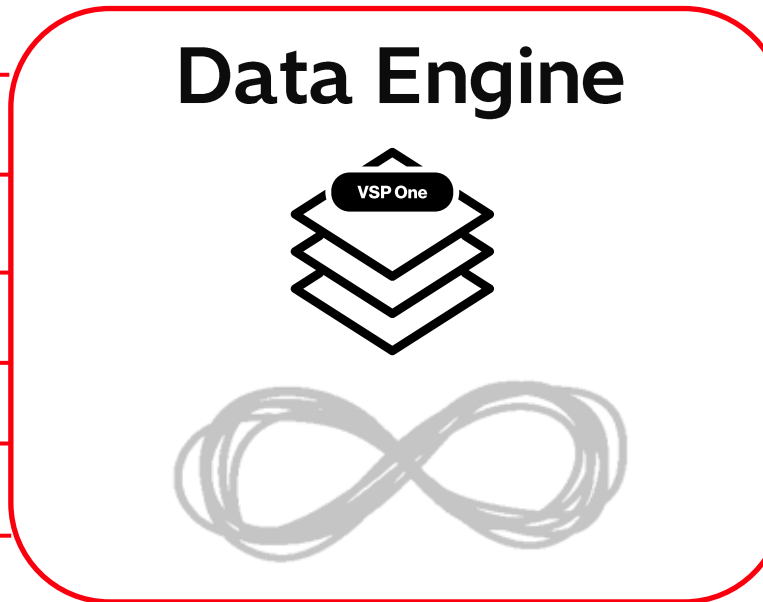


BROADCOM®

Data Needs are Evolving, IT Challenges Remain the Same

Managing Data Silos

- Business-critical Applications
- Virtualization & Containers
- Unstructured Data
- Edge Storage
- Public Cloud
- Modern Mainframe



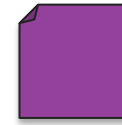
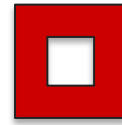
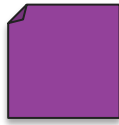
Building Data Pipelines

- Explainable AI
- Regulatory Compliance
- RAG
- Cyber Resiliency
- Agentic AI
- Data Driven Alerting

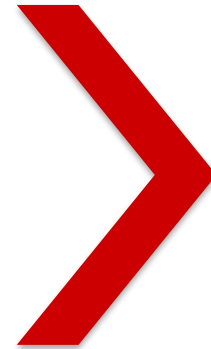
Customer Pain Points

Cost | Continuity | Compliance | Complexity | Speed | Scale | Security | Skill Set

New VSP One Block High-end (B85)



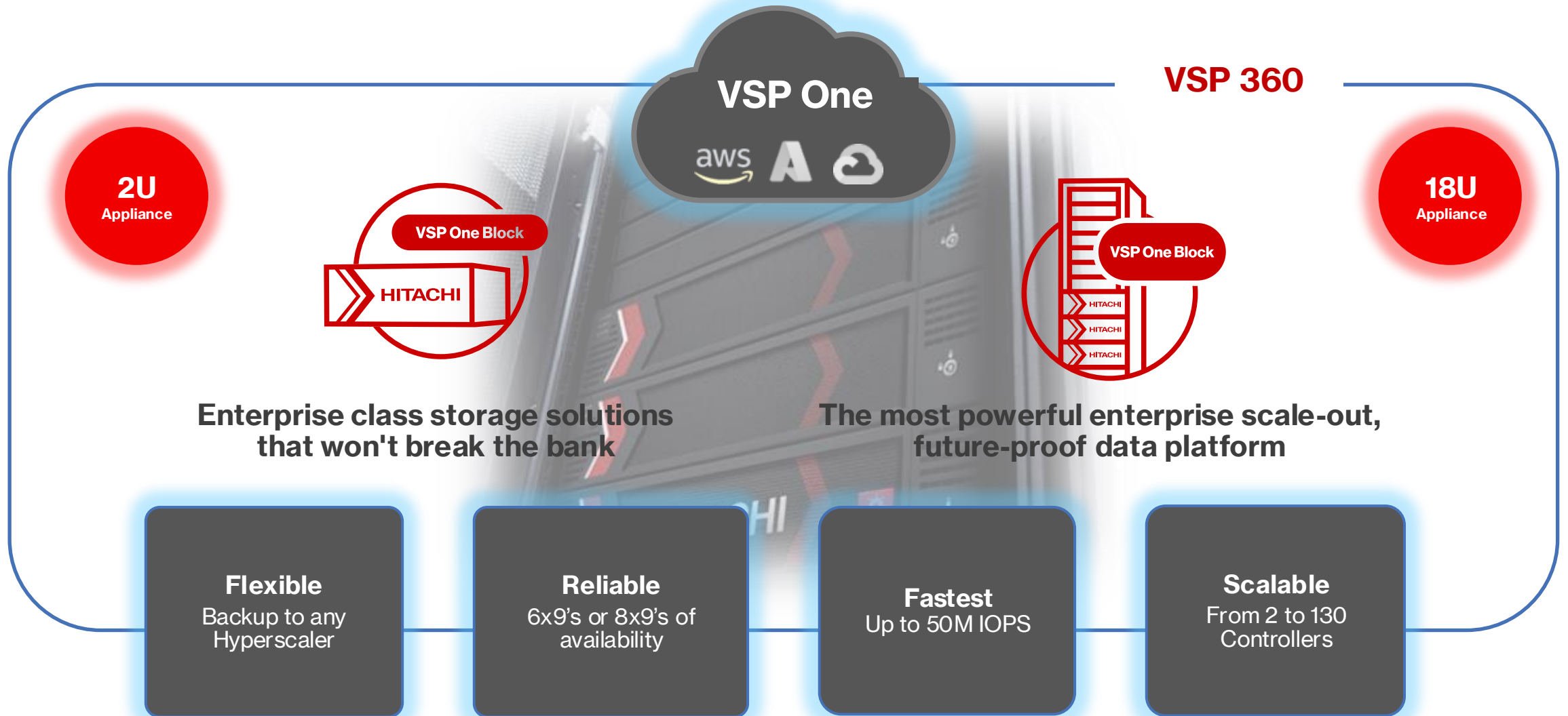
- Up to 50M IOPS
- Up to 18.69PBe Capacity
- 1M IOPS / Rack Unit
- 373TBe / Rack Unit
- from 4 to 12 controllers
- 8x 9's Availability



- Simple Provisioning
- Intelligent Load Balancing
- Automated Data Governance
- Cyber Resiliency by Policy
- Native Data Services

SIMPLE | SECURE | SUSTAINABLE

Enterprise Class Storage for Everyone



VSP One Block Software

ESSENTIALS PACKAGE

SVOS Basic Functionalities
Compression & Dedupe
Snapshot & Cloning
Data Mobility
VSP One Block Administrator
VSP 360 Clear Sight
VSP 360 Clear Sight Advanced

ALL INCLUSIVE PACKAGE

All Essentials Package Features
+
Remote Replication
Remote Replication Extended
Global Active Device
VMware Adapters
Container Plugins

All SVOS functionalities and features are available with unlimited capacity

The Path to Data Singularity

Virtual Storage Platform



Simple

Remove data silos and simplify data management with a common platform for all data types.



Secure

A common OS across the hybrid cloud ensures secure data retention and 100% data availability.



Sustainable

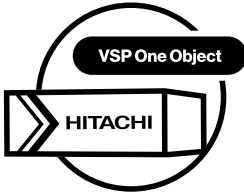
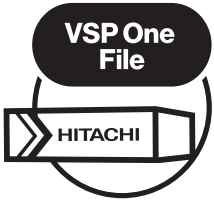
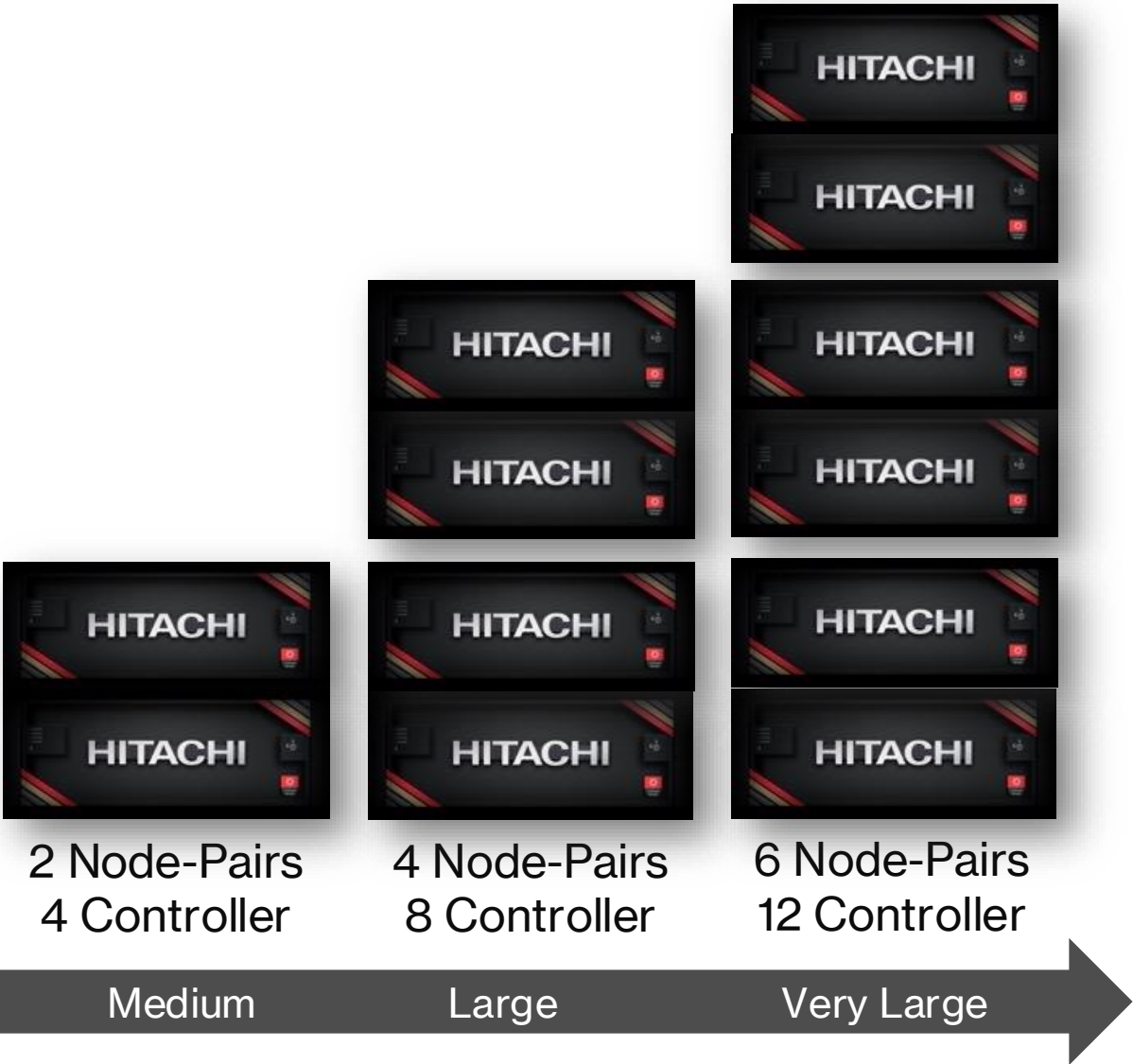
Reduce the CO₂ footprint of the data center with technological innovation and external certification.

SIMPLE

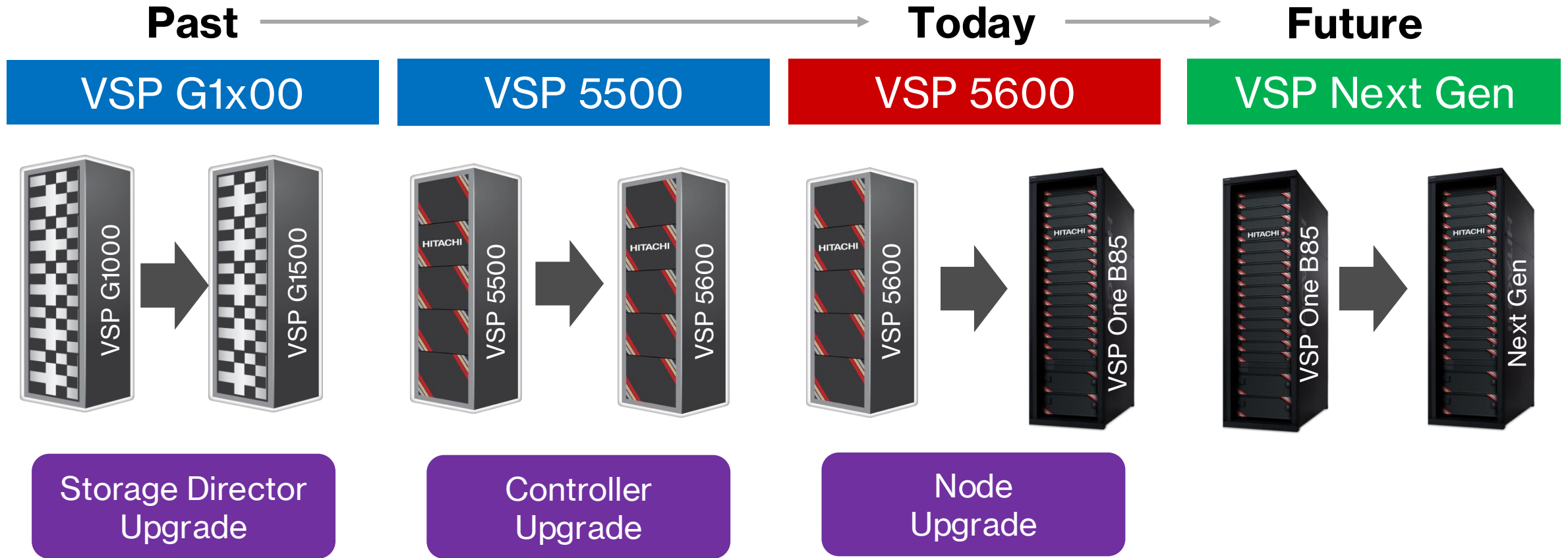
VSP One Block 85 Scalability & Flexibility



8x9's Availability



Risk-Free Storage Modernization with Data-in-Place Upgrades

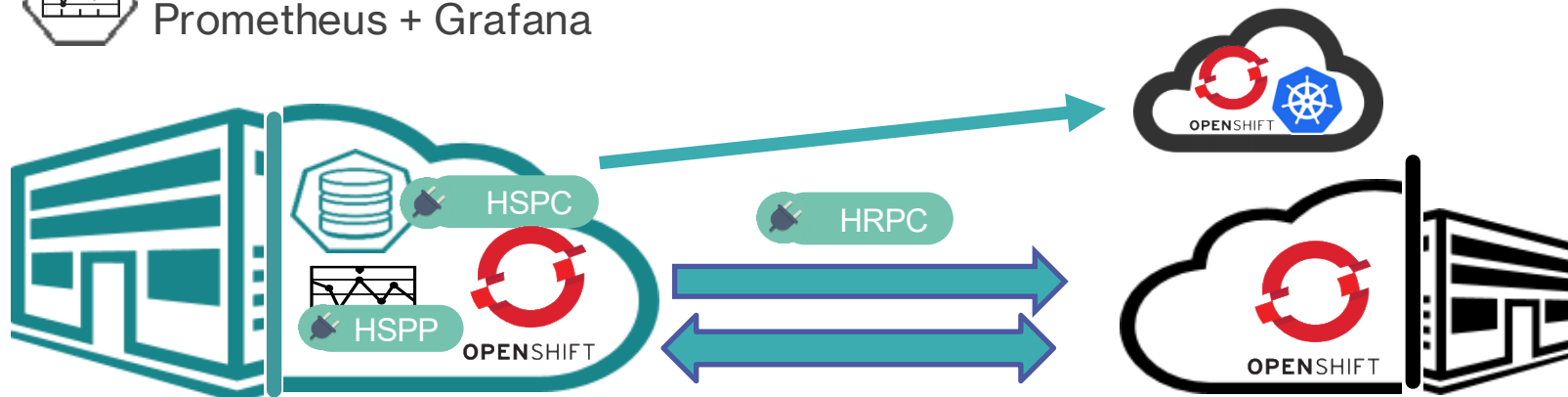


Simplifying Kubernetes Storage with Hitachi CSI & VSP One Block

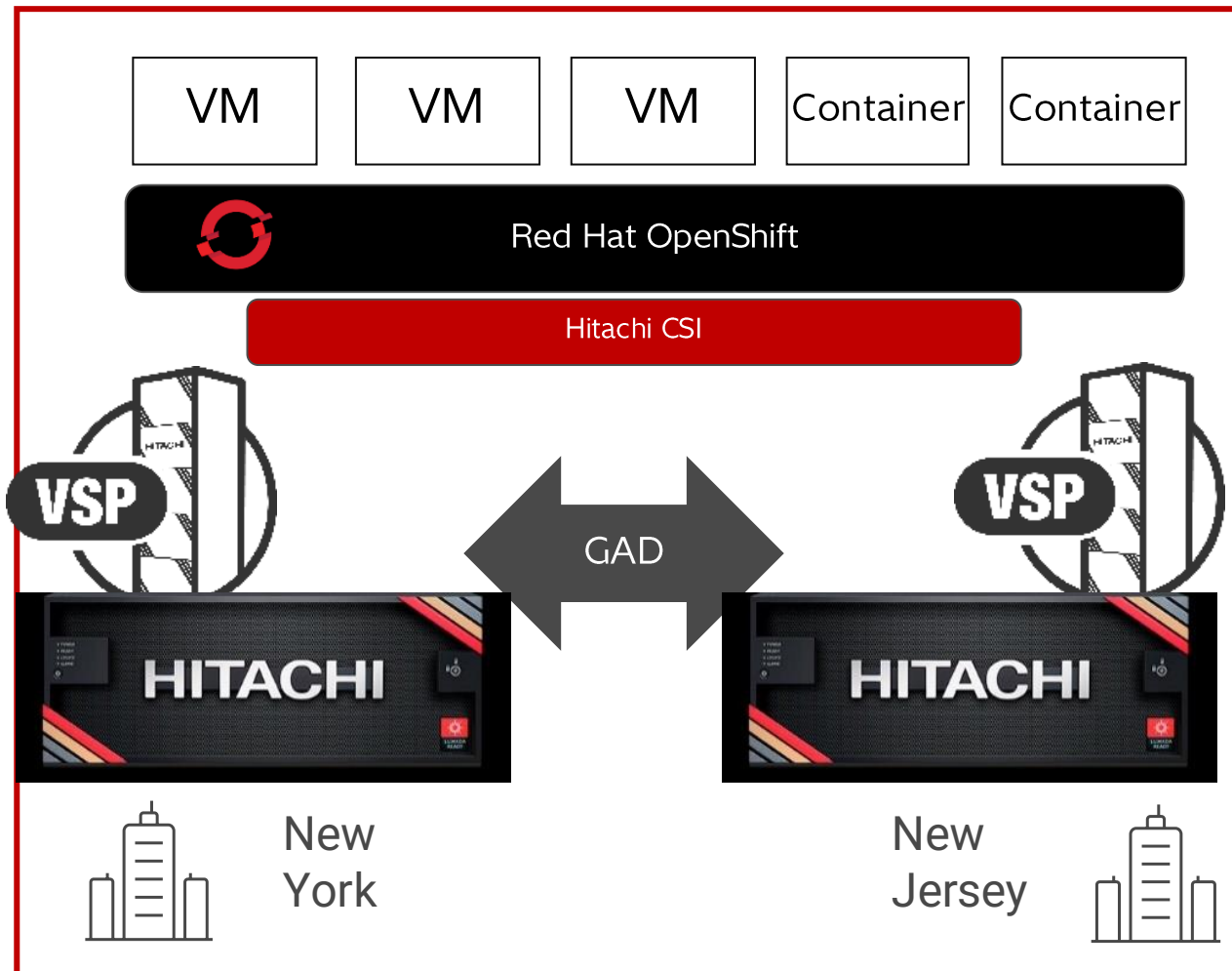
Provision | Manage | Protect | Migrate | Monitor

GitOps

-  **Block CSI (HSPC)**  HSPC Provisioning of persistent volumes for VMs and Containers including snapshots, cloning, expansion and live migration across Block, File & Cloud SDS. Get from OperatorHub or GitHub incl. VSP One File CSI
-  **Replication Operator (HRPC)**  HRPC Replication, disaster recovery, and migration of persistent volumes to remote Kubernetes clusters, Stretched Persistent Volumes for active-active
-  **Monitoring (HSPP)**  HSPP Metrics/dashboards in Prometheus + Grafana



Stretched Cluster with OpenShift & Virtualization



Stretched PV(s)

Looks like a regular PV to Apps but is using active-active storage Dynamically created with a storageClass.



Resilient

Workloads never know there was a rack/site/power/storage issue. Logically looks like one system



Migration

Live migrate workloads between sites when required

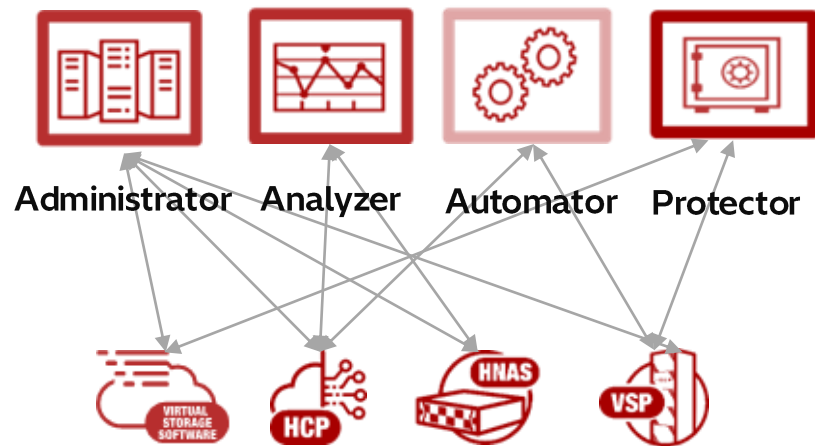
Simplified Management

VSP 360

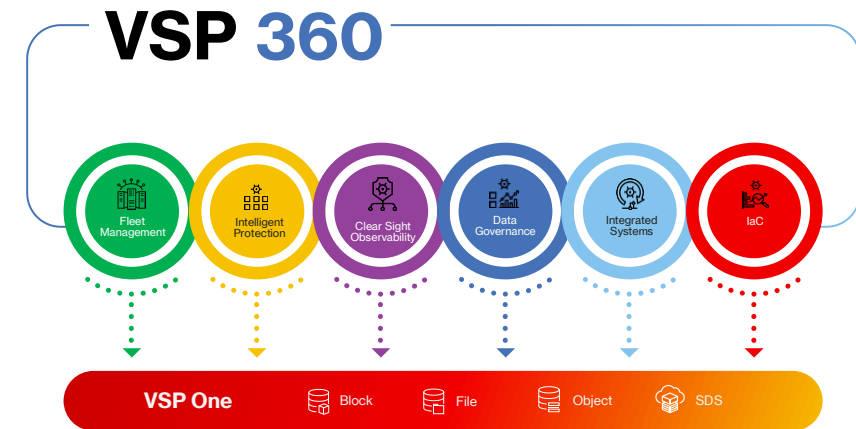
Transforming the Customer Experience.



From data management silos to unified control plane



Siloed tools across storage,
analytics and monitoring



Unified Experience → “One Data Plane”
Ecosystem-Ready → “Open Connected Extensible”
Outcome-Oriented → “From Products to Outcomes”

HITACHI | VSP 360

VSP 360
Unified Data Management Platform

Administration

Fleet Management
v1.0.0 | Updated: 2025-08-26

Integrated Systems

On-Demand Infrastructure
Updated: 2025-08-26

Intelligent Protection

Cyber Sense
Updated: 2025-08-26

Orchestration

Ansible
Updated: 2025-08-26

Observability

Clear Sight
Updated: 2025-08-26

Clear Sight Advanced
v1.0.0 | Updated: 2025-09-01

Software Portfolio

Everything you need to stay in control.

App Store

HITACHI | VSP 360

Dashboard

Inventory

Analytics

Protection

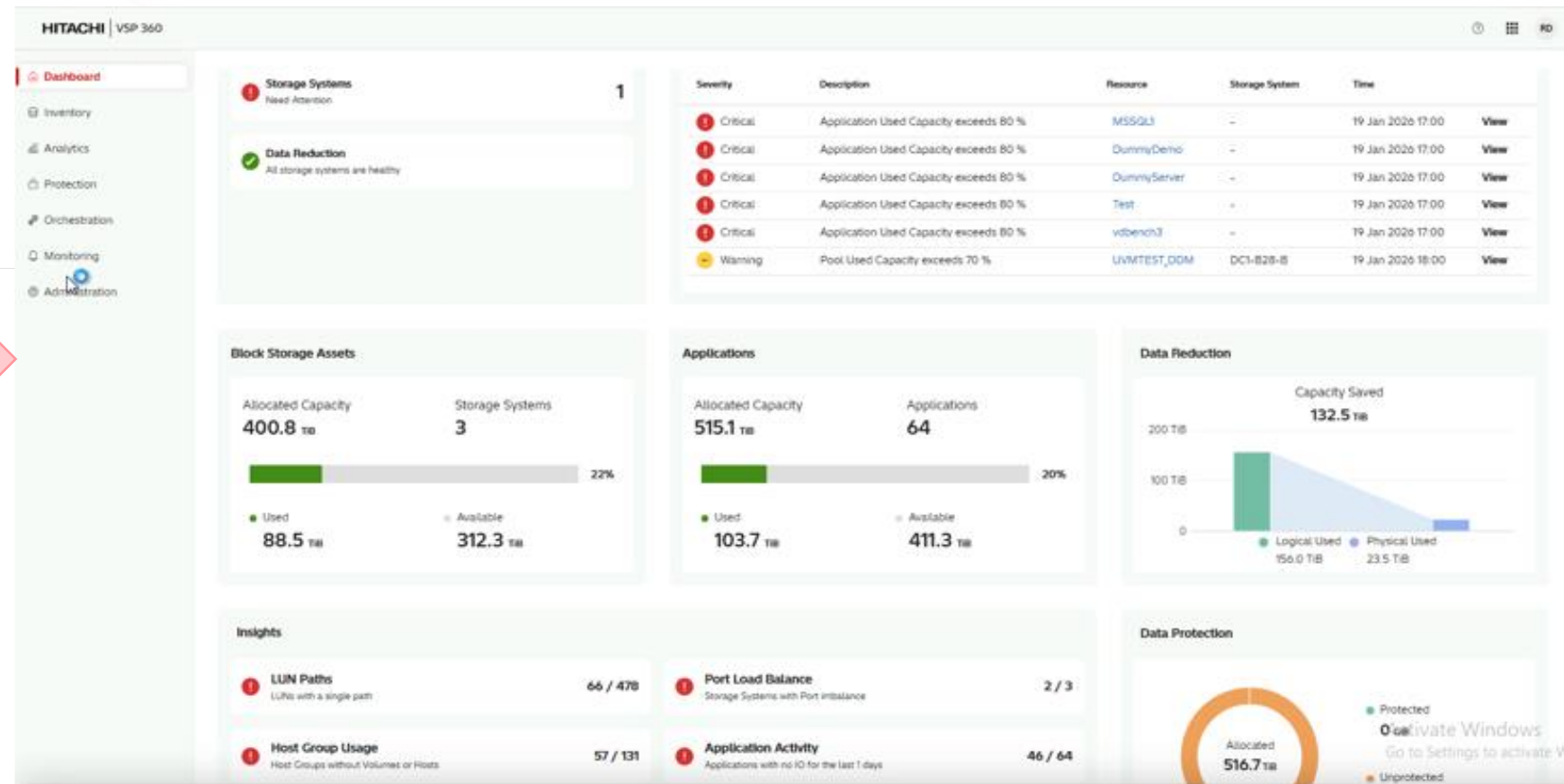
Orchestration

Monitoring

Storage

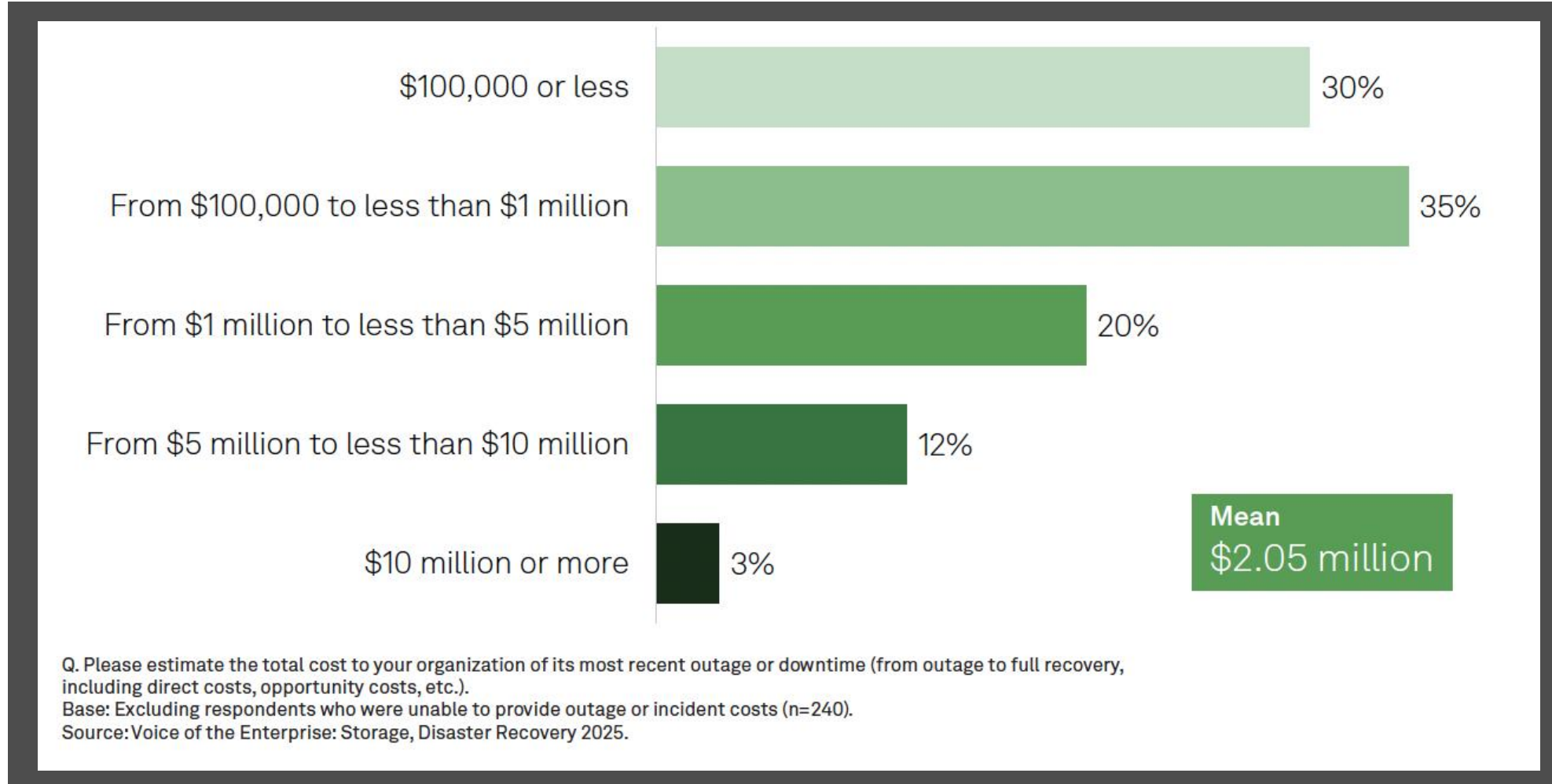
Data I

Time	
19 Jan 2026 17:00	View
19 Jan 2026 17:00	View
19 Jan 2026 17:00	View
19 Jan 2026 17:00	View
19 Jan 2026 17:00	View
19 Jan 2026 18:00	View



SECURE

Outages are Common and Costly



Uninterrupted Data Access



100%

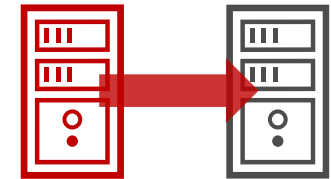
**Data Availability
GUARANTEED**

30 Years Of Industry Leading Reliability

8-nines SYSTEM
AVAILABILITY



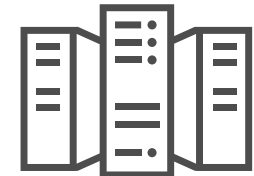
GLOBAL-ACTIVE
DEVICE | RPO=0



MODERN STORAGE
ASSURANCE



3 DATA CENTER



Data Resiliency by Design

Cyber Resilience Guarantee

Ransomware Protection

Data availability, recovery with **native immutable** data storage

Ransomware Detection

99.99% near-instant data corruption detection, clean snapshot ID

Ransomware Recovery

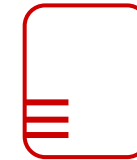
Recover in less than **30 seconds per snapshot**

Remedy

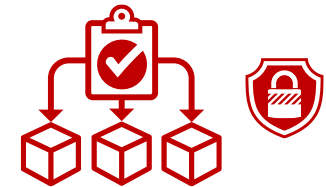
Receive **40 hours of incident response services** or storage purchase credit if clean data is unrecoverable after a cyberattack.

Enterprise Security Industry Leading Features

KEEP YOUR SSD



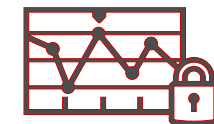
BUILT-IN IMMUTABILITY



FIPS
COMPLIANT

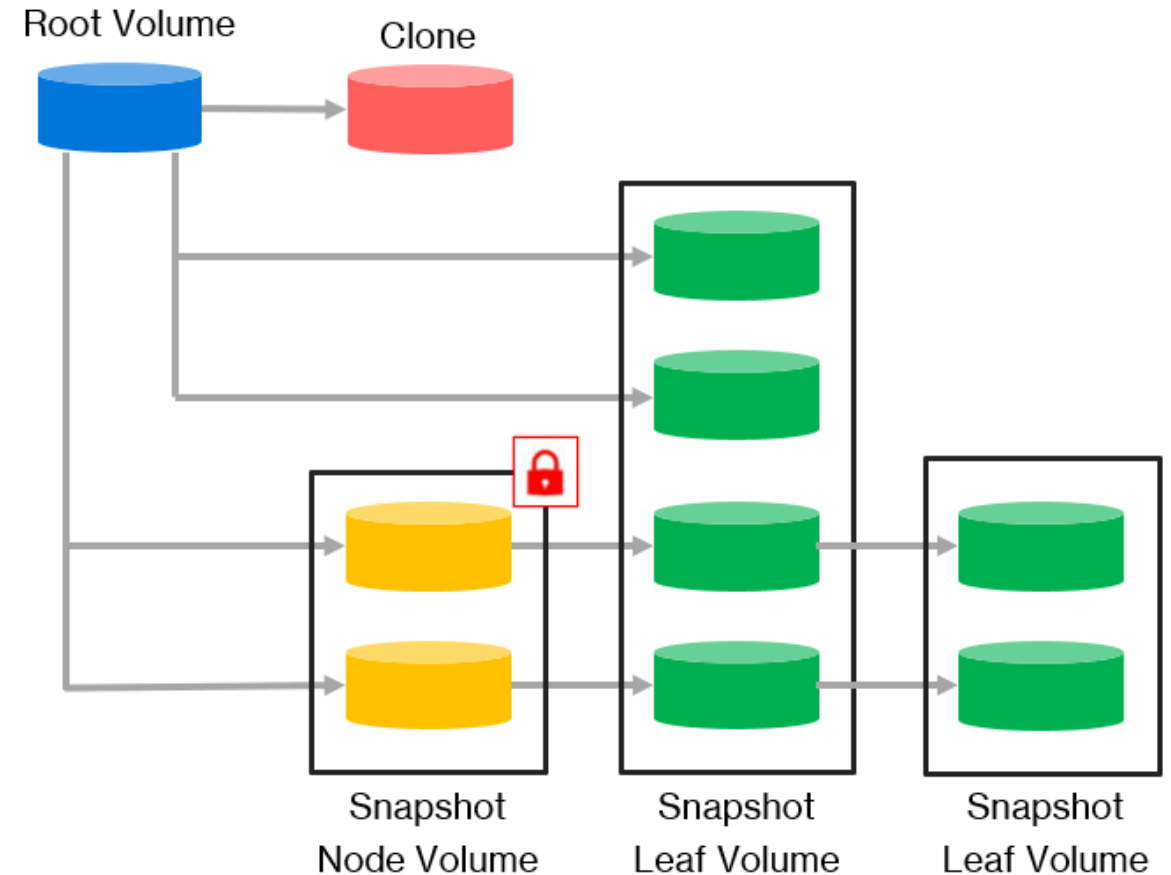


CONTROLLER
BASED
ENCRYPTION



Snapshots & Clones

- Redirect on Write technology for Snapshots
- No data movement within the VSP
- Very fast creation and restore
- Snapshots are readable and/or writable
- Guaranteed Immutability
- Combination with Clones and vClones
- Integration with backup solutions like
 - Commvault (IntelliSnap)
 - Veeam (B&R)
 - Cohesity (Veritas NBU)



Ransomware Resiliency Powered by CyberSense



CyberSense

Telemetry information provides insights on data integrity, possible attacks, supports forensic investigations and provides operational recovery @ scale.

Key Features

Full Content Indexing:

Byte-level analysis that helps identify even the most sophisticated ransomware behaviors.

Highly Trained AI-Analytics Engine:

Trained on 10s of millions of data sets and over 7,000 actual ransomware variants.

Support for All Data Types:

CyberSense supports all data types, including the deep inspection of database pages and VM data stores.

Custom Detection:

Custom YARA rules and malware signatures allow users to detect known behaviour from ransomware or internal bad actors.

Post-Attack Forensic Reporting:

Comprehensive, intuitive dashboard presents the type of attack, the blast radius, the time of the attack and a view of clean and compromised copies.

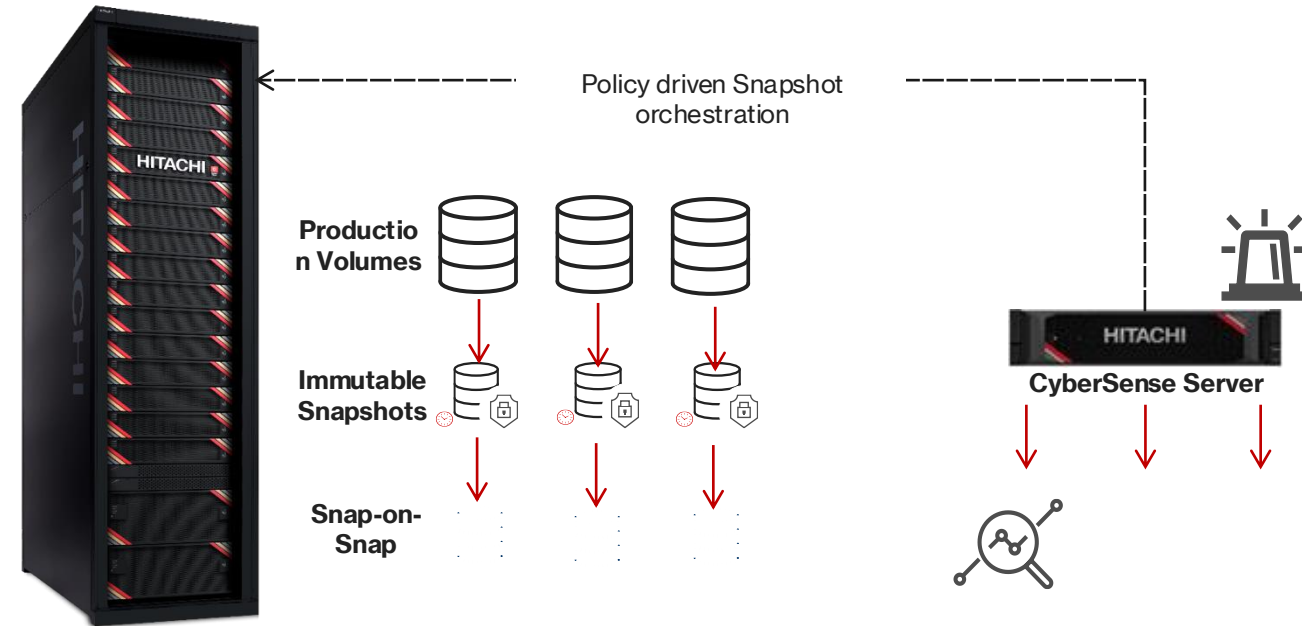
Powers SIEM/SOAR:

Provides detailed forensic analysis of corrupted files, enabling a curated recovery process as well as telemetry data to protect against future attacks.

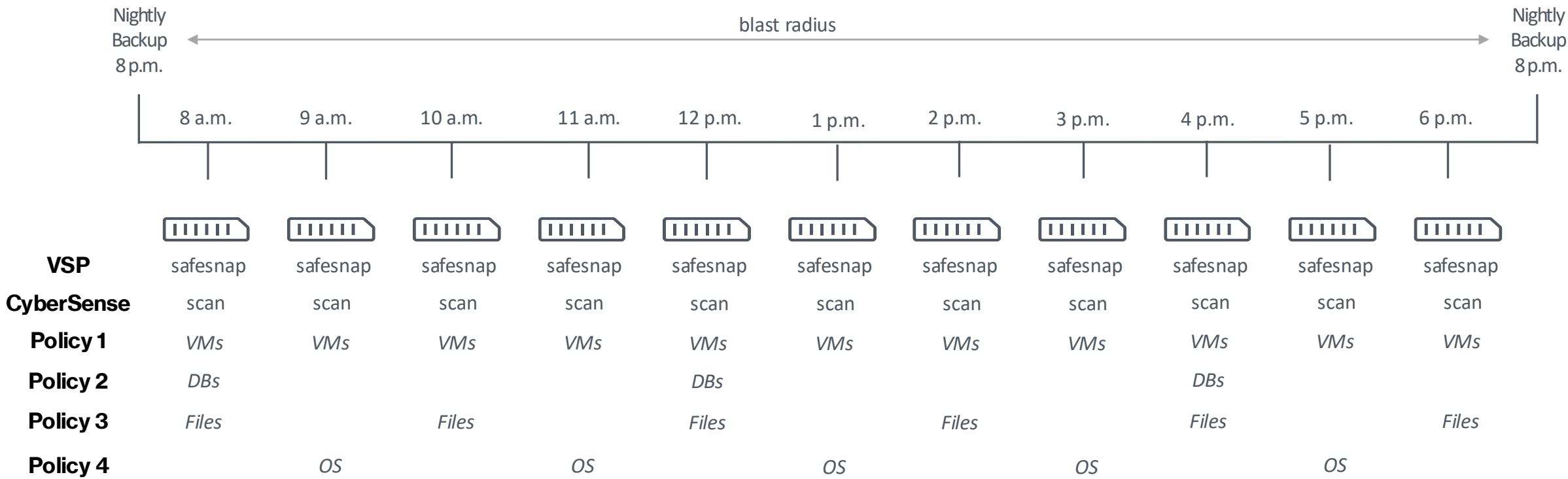
Delivering predictable recovery from immutable copies by identifying possible threats..

CyberSense: Guaranteed Clean Recovery & Data Integrity Assurance

- AI-driven, **full-content** inspection of snapshot data (not metadata only)
- Identification of the last known clean snapshot with 99.99% detection SLA
- Detection of partial encryption, slow-burn and dormant ransomware
- Tightly integrated with immutable snapshots and storage workflows, mapping detections directly to recovery points, not just generating alerts
- Evidence-based recovery decisions with audit-ready reports

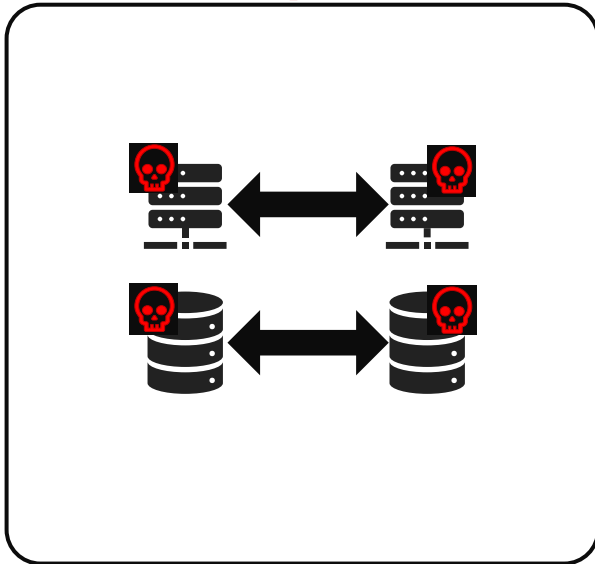


Incremental safe guarded snapshots orchestrated & scanned with CyberSense



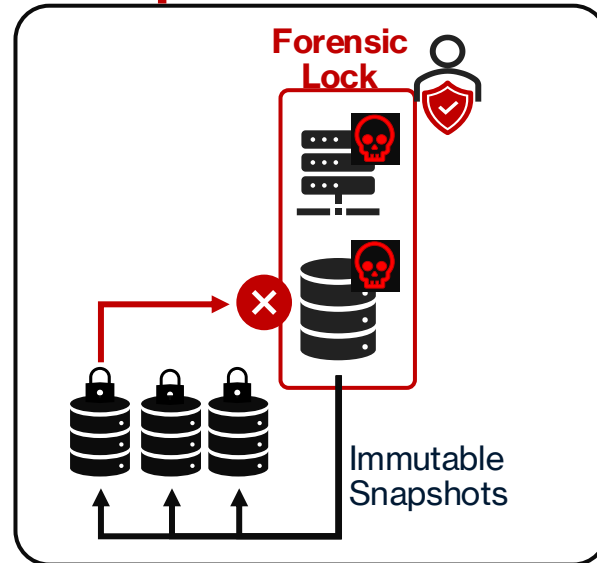
Traditional Recovery Methods Don't Work

DR/HA



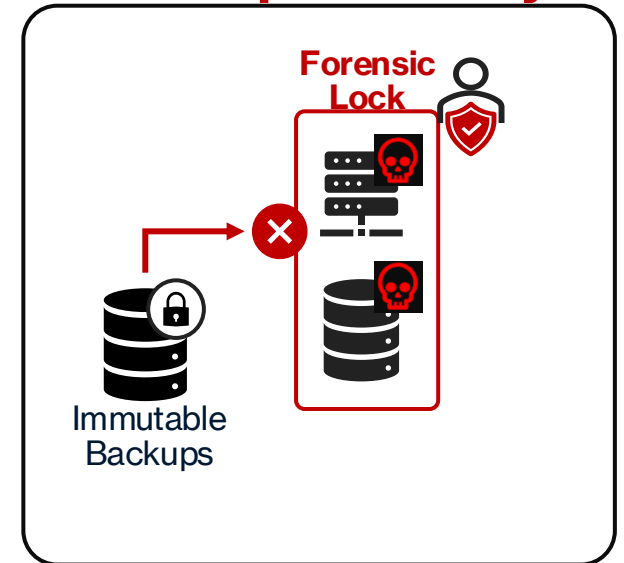
Encryption events are replicated in real-time to DR/HA systems

Snapshot Rollbacks



Volumes/Servers under forensic lock cannot be rolled back

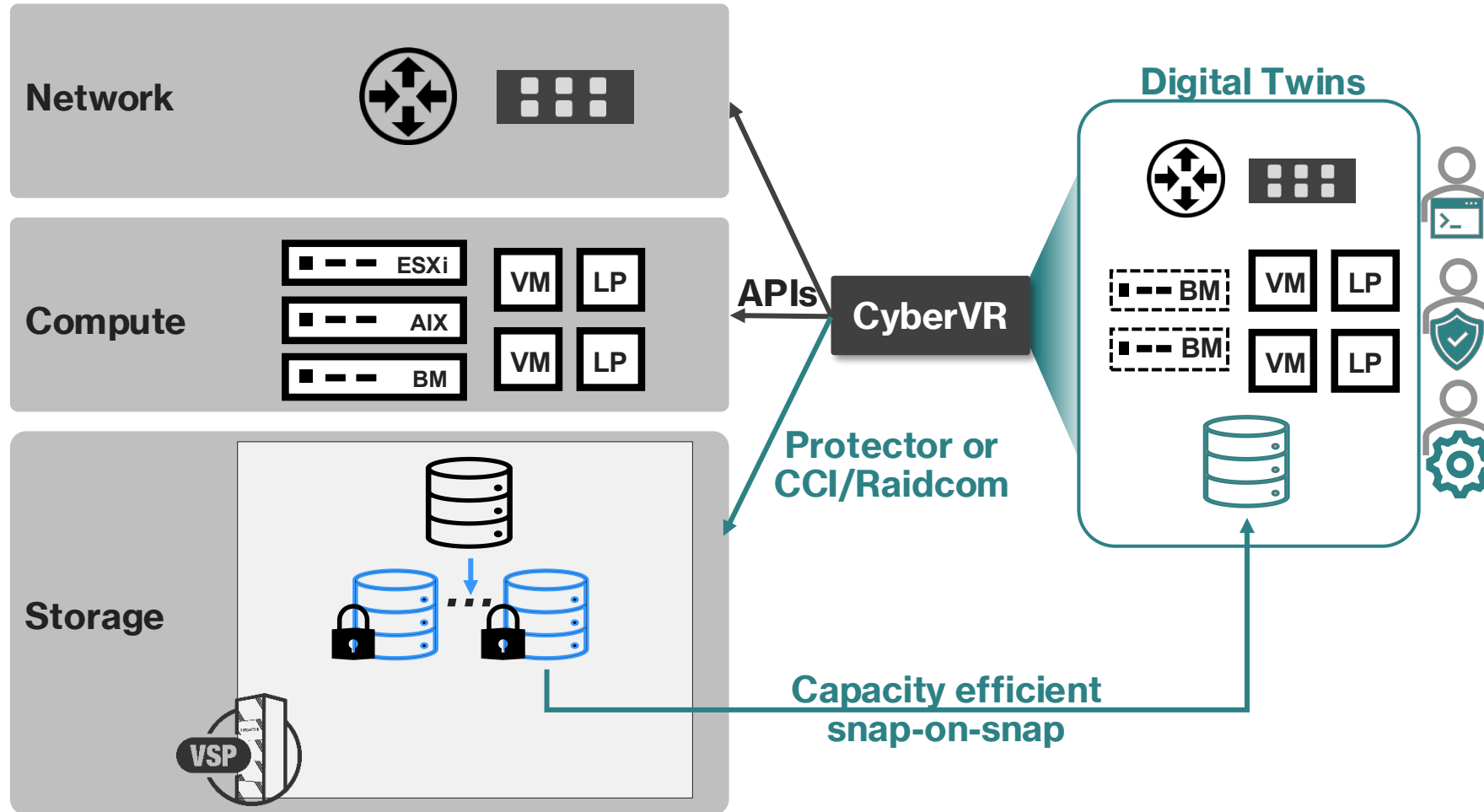
Backup Recovery



The capacity required to rehydrate backups is under forensic lock

Additionally, compute/network infrastructure and management tools are likely compromised, under forensic lock, and unavailable to execute the recovery tasks

CyberVR – Automated Workload Recovery



Software solution with native API integrations

Single click automation

Virtual-Air-Gap isolation

Snap-on-snap recovery

VMware, BM, and AIX

Built-in RBAC and end-user access

Test upgrades, enable DevSecOps, and validate recovery at scale

World's Fastest Ransomware Recovery

Measured in Minutes for Thousands of VMs (1500 VMs in 70 min)

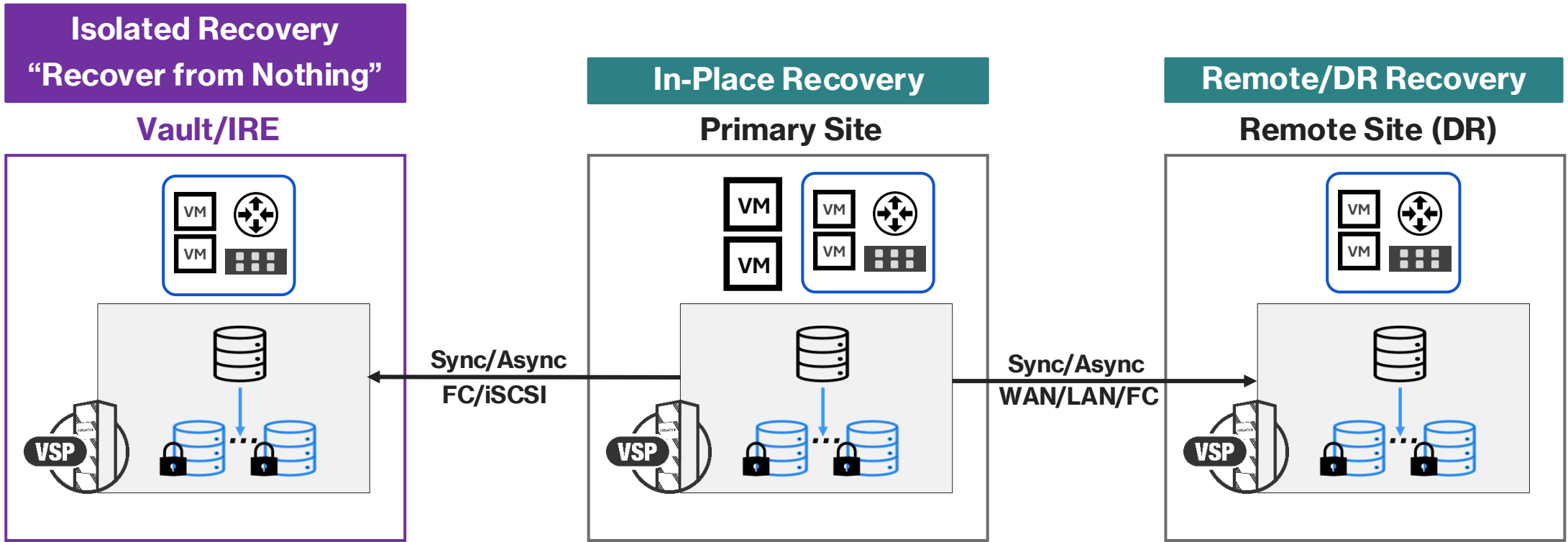
Digital Twins - Protection Topologies

IRE can operate independently.
No IP connection required.
No agents needed.

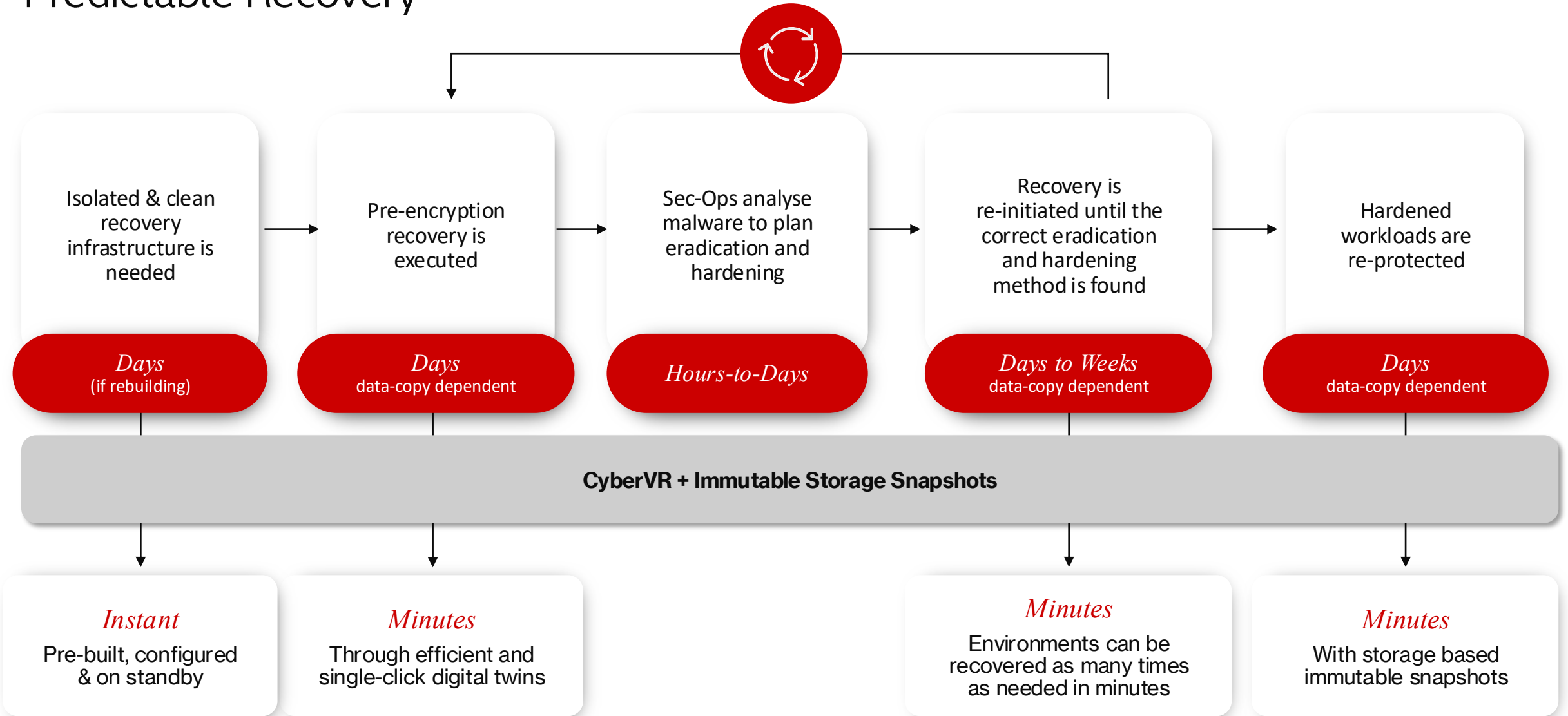
Dev/Test/QA Sandboxes

DevSecOps + PenTesting

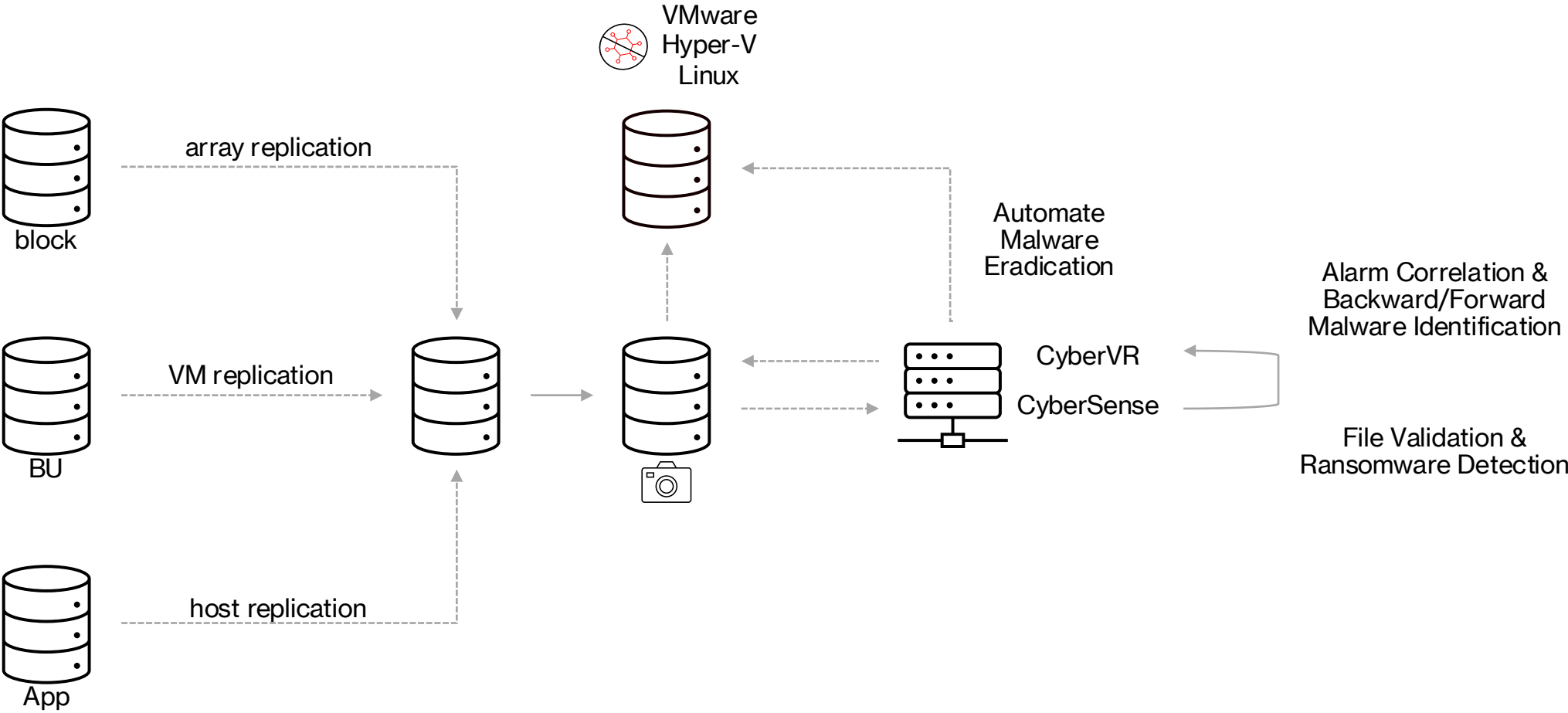
Scalable Recovery Validation



Predictable Recovery

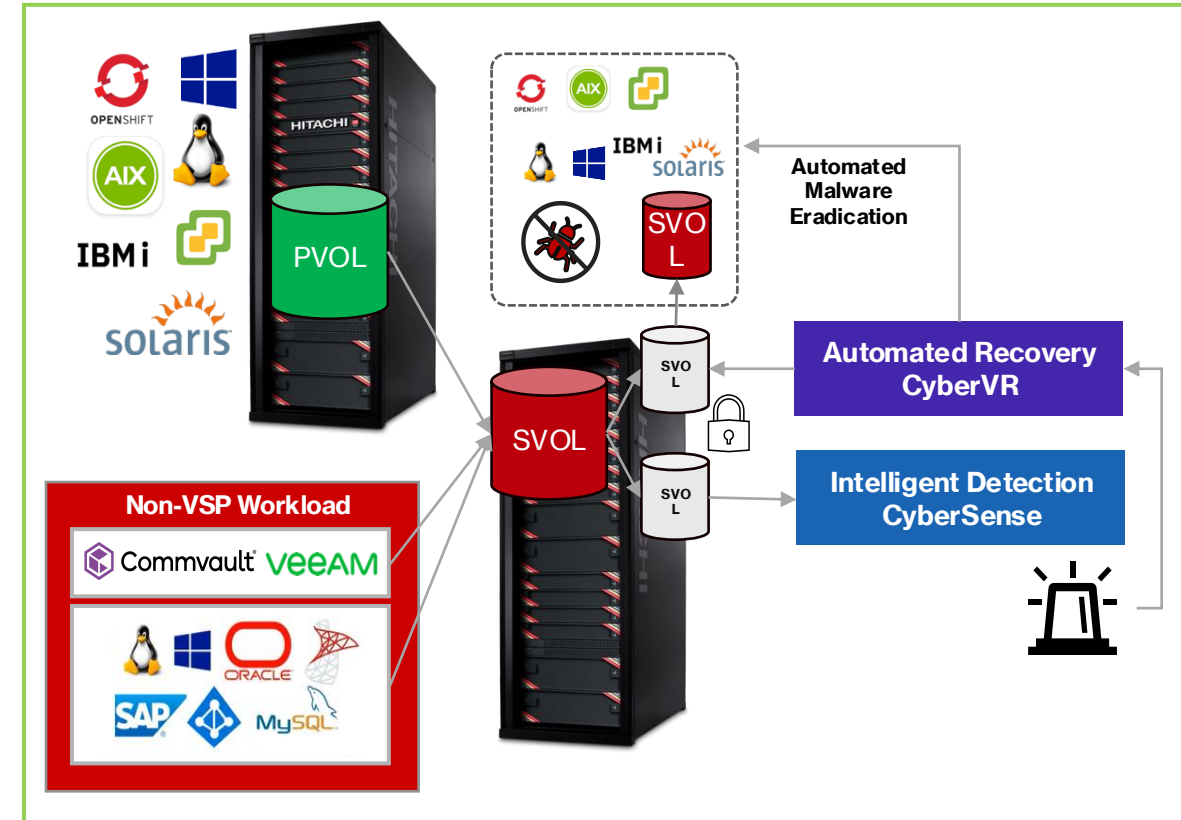


Leveraging HTIA SafeSnap, CyberSense & CyberVR technologies



VSP + CyberVR + CyberSense: From Detection to Verified Recovery

- **Zero-downtime foundation with guaranteed availability**
 - VSP 5x00 delivers enterprise-class performance with a **100% Data Availability Guarantee**, minimizing operational risk and ensuring continuous business operations even under attack
- **SLA-backed ransomware detection and clean recovery**
 - CyberSense provides 99.99% AI-validated ransomware detection and identifies the last known clean data copy, underpinning Hitachi's **Cyber Resilience Guarantee** for trusted recovery
- **Verified recovery before business restart**
 - CyberVR enables automated, isolated recovery validation, ensuring systems are clean, secure, and functional before returning to production—**reducing downtime and reinfection risk**
- **Long-term continuity with investment protection**
 - Data-in-place migration allows seamless, non-disruptive evolution from VSP 5k to VSP One Block 85, preserving SLAs, cyber-resilience posture, and **business continuity over time**



Integrated, NIST-aligned and DORA-compliant cyber resilience outcomes for regulated environments

SUSTAINABLE

Sustainable Aware Dynamic Data Compression

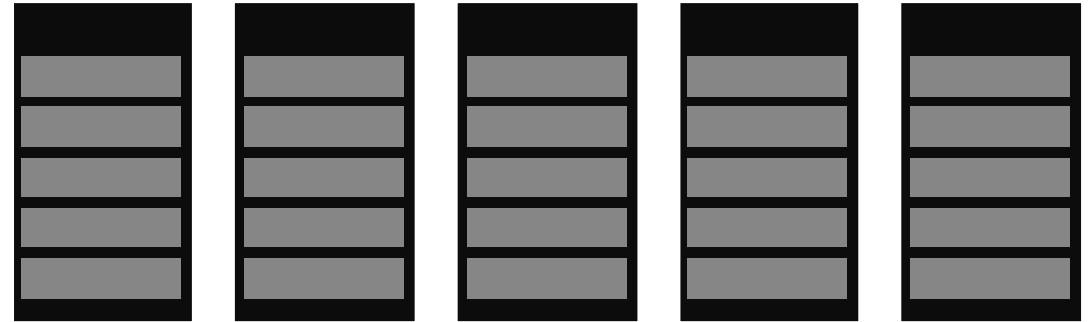
HITACHI



Consolidate more mission critical applications into one platform.

Lowering your investment and lowering your power consumption.

BEFORE



AFTER

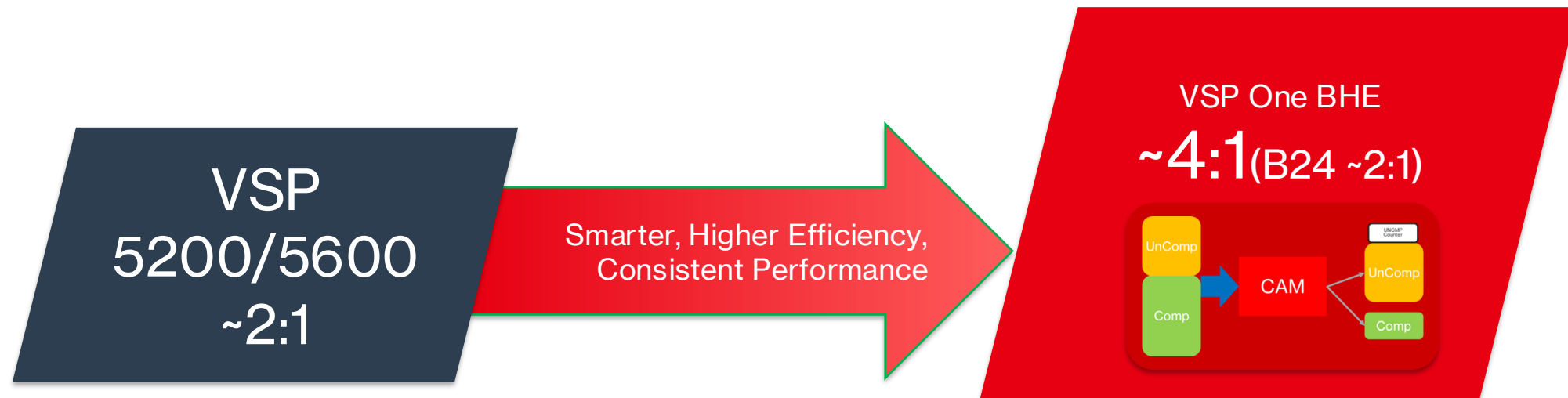


4:1 Data Reduction
No Questions Asked!

Contributes to lowering CO2 emissions by 30-60% annually

VSP One B85 Compression Acceleration

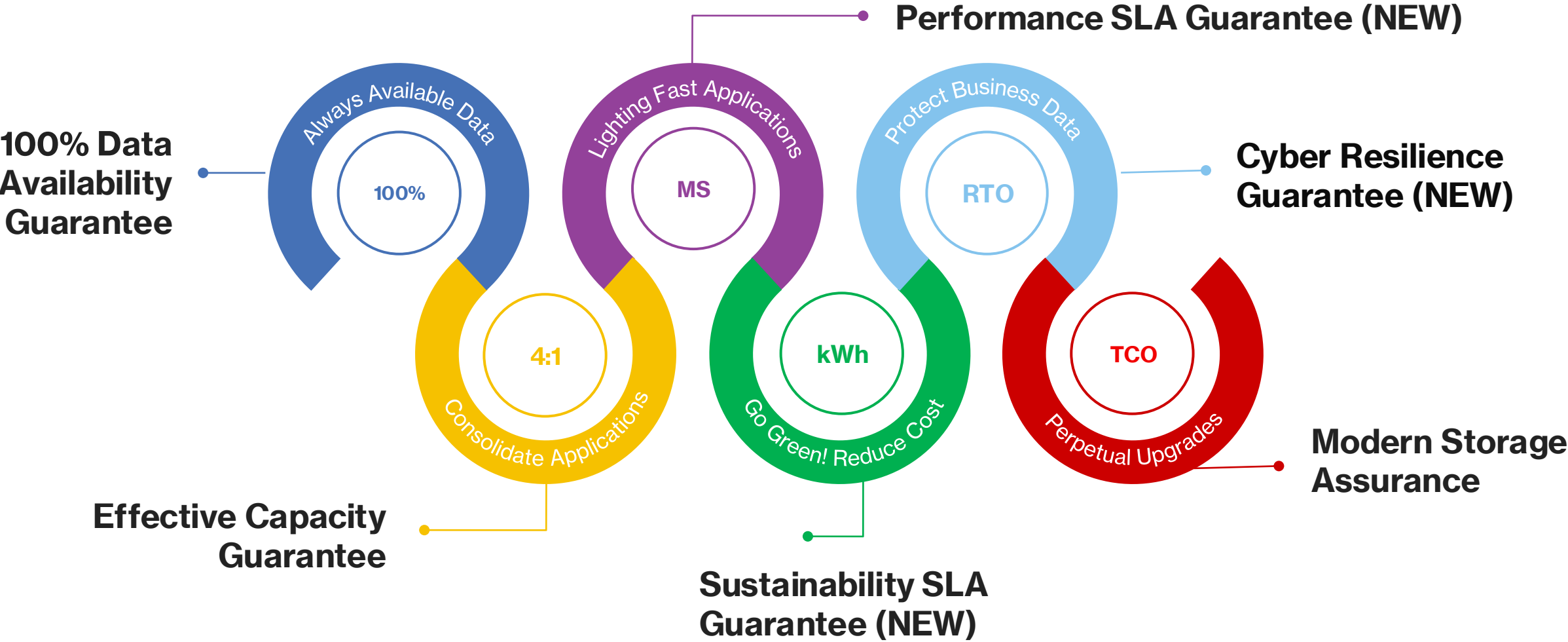
- NEW FPGA-Based CAM offloads compression for more consistent performance
- Delivers up to 2× improvement in data reduction efficiency (4:1 vs 2:1) with no performance trade-off
- Adaptive compression feature adds more consistent performance with incompressible workloads



Sustainability Items for Block HE

#	Category	Item	B85	5000 series
1	PCR wt% (Percentage of recycled materials used)	Controller (CTL): Bezel	up to 40%	n/a
2		Controller (CTL): Air guide	up to 60%	n/a
3		Drive box (DBN2): Bezel	up to 40%	n/a
4		Drive box (DBN2): dummy canister	up to 60%	n/a
5		Drive box (DBN2): NVMe Canister	up to 50%	n/a
6	Power Saving		CPU frequency control	n/a
7			FAN speed control	n/a
8			Reduced number of media due to high data reduction (4:1)	FYI: 2:1
9	Certification		<u>EDP</u>	CFP

VSP One Guarantee

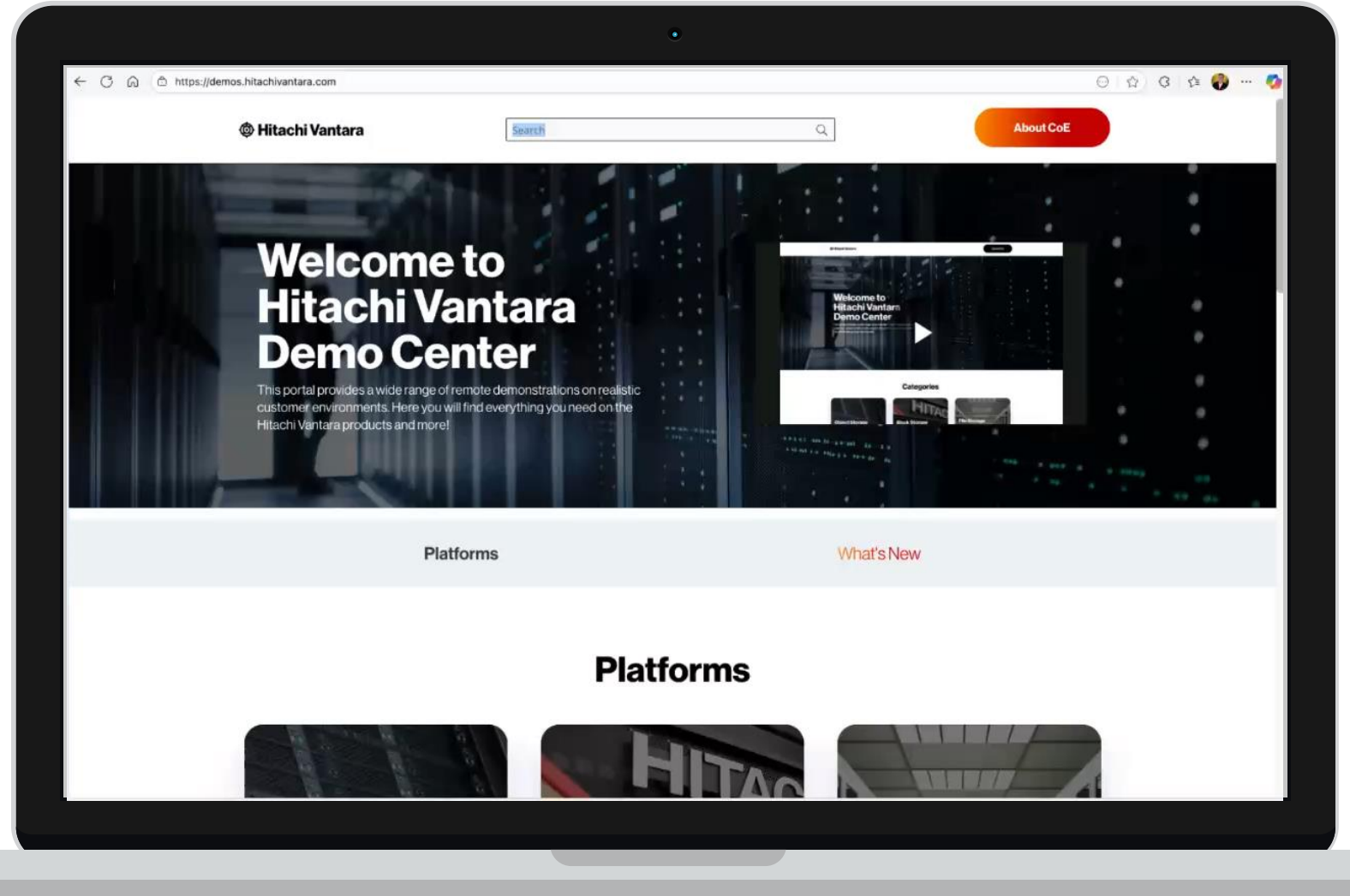


SEEING IS BELIEVING

Demo Center

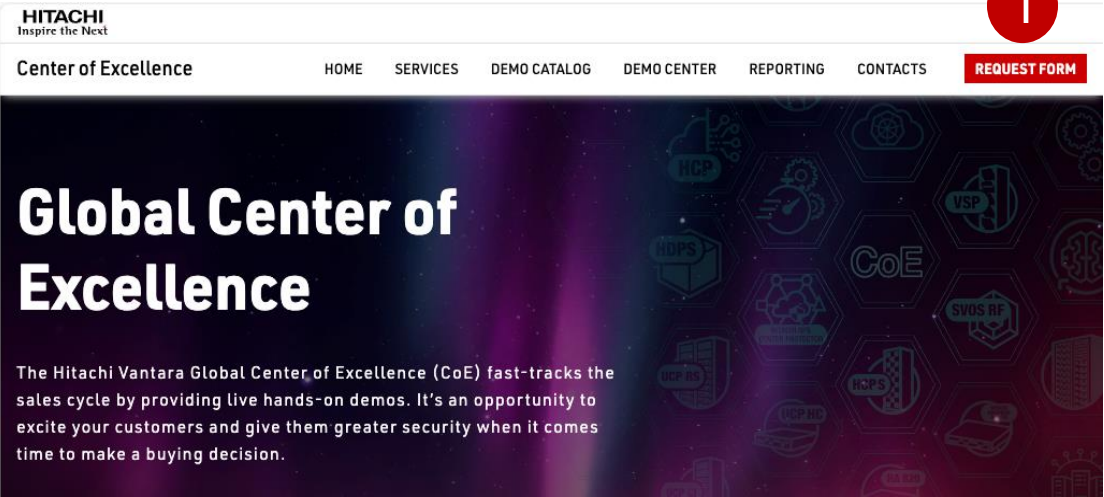
<https://demos.hitachivantara.com/>

Customers, Partners, and
Employees can access the
Demo Center without having to
log in!



Request your Demo today

<https://coe.hitachivantara.com/en-us/home.html>



Item	Description
CoE Discovery Service	Use this form to submit a request for Data Discovery
CoE Experience Service 2	Request demo, PoC, video, or web portal access for customers and partners.
CoE Partner Enablement Service	Request remote or onsite enablement services for partners
CoE Portal Access Extension	Use this form to request for an extension of access to the CoE self-service portal.

Service Selection

* Service

Demonstration

3

Service Details

* Solution Category

Storage Platform

4

* Secondary Category ?

Please choose all options that apply ×

× VSP One Block

5

* Self-service Opportunity ID ?

Three S's. That's all you need to remember.



Simple

Remove data silos and simplify data management with a common platform for all data types.



Secure

A common OS across the hybrid cloud ensures secure data retention and 100% data availability.



Sustainable

Reduce the CO₂ footprint of the data center with technological innovation and external certification.

Thank you

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