



Red Hat  
**Summit**

**Connect**



VERITAS™



# Enterprise Data Protection con Veritas NetBackup nell'era del Hybrid Multicloud

Red Hat  
**Summit**

**Connect**

## Antonio Antonucci

Technical Sales Engineer Team Leader  
Veritas Technologies LLC



VERITAS™



# What Are The Industry Trends?

**94%** of large enterprises adopting a multi-cloud strategy

## Why?



Reduce Risk



Robust Security



Optimize TCO

**23%** of all applications and workloads will remain on-premises

## Why?



Regulatory Requirements



Security Needs



Performance SLAs

# Hybrid and Multi-Cloud: Solution Complexity

## Multi-Silo Cloud Environment

### Cloud Service Providers



Different interfaces



Different operating procedures



None Compatible

## On-Prem Silo(s)

### On-Prem Data Protection



On-prem infrastructure



Enable cloud-like scale and automation



Management complexity

Need to manage multiple requirements on architecture, strategy and operations

**Leads to Silo Sprawl**

## Qual è la vostra strategia multi-cloud, in ambito data protection, per i prossimi 3 anni?



A - Non utilizzo alcun cloud service provider e non ho intenzione di cambiare idea

0%

B - Non utilizzo alcun cloud service provider ma sto iniziando a valutare la cosa

0%

C - Ho intenzione di continuare ad utilizzare un solo cloud service provider

0%

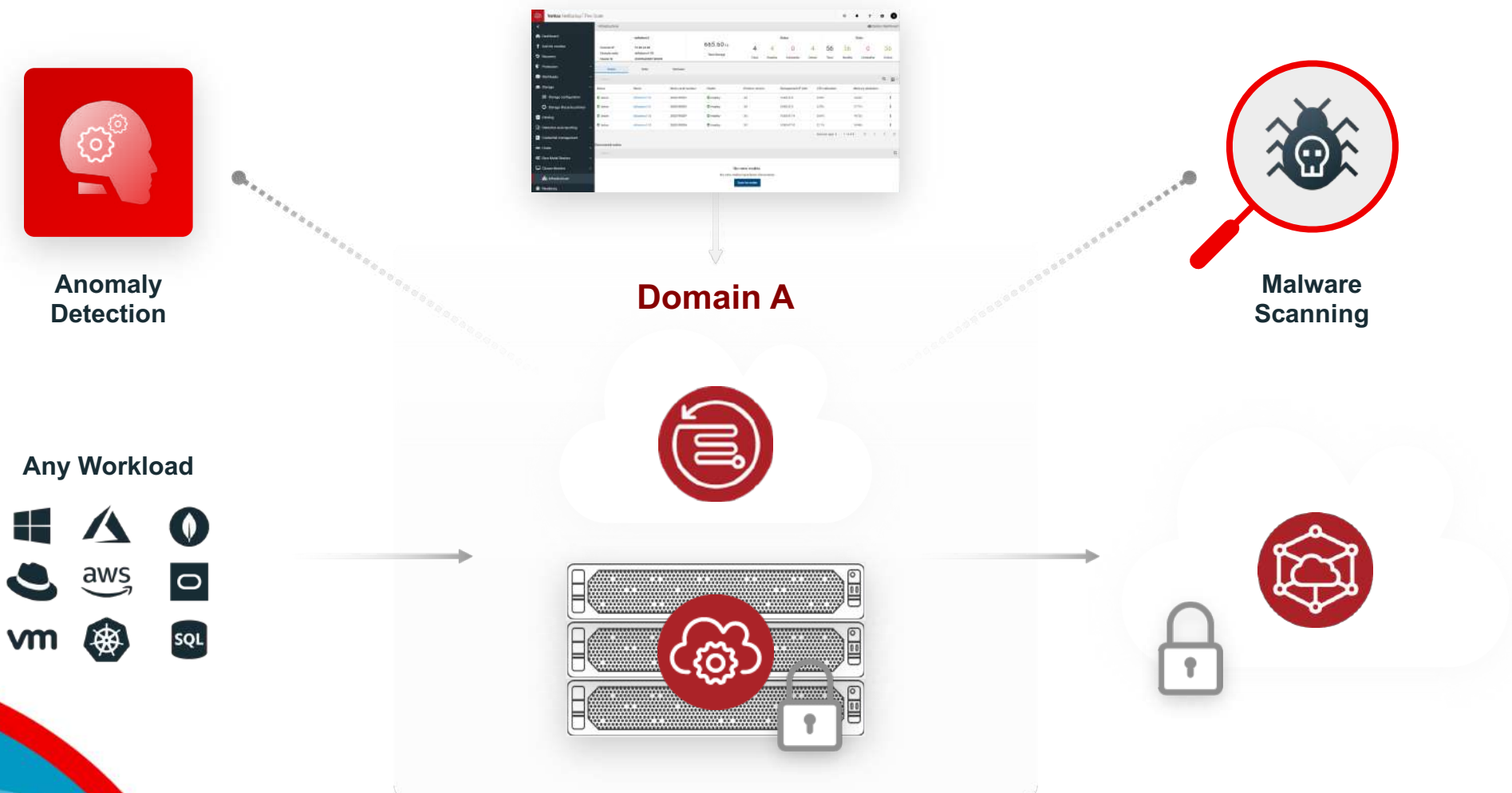
D - Attualmente utilizzo un solo cloud service provider ma ho intenzione di utilizzarne piu' di uno

0%

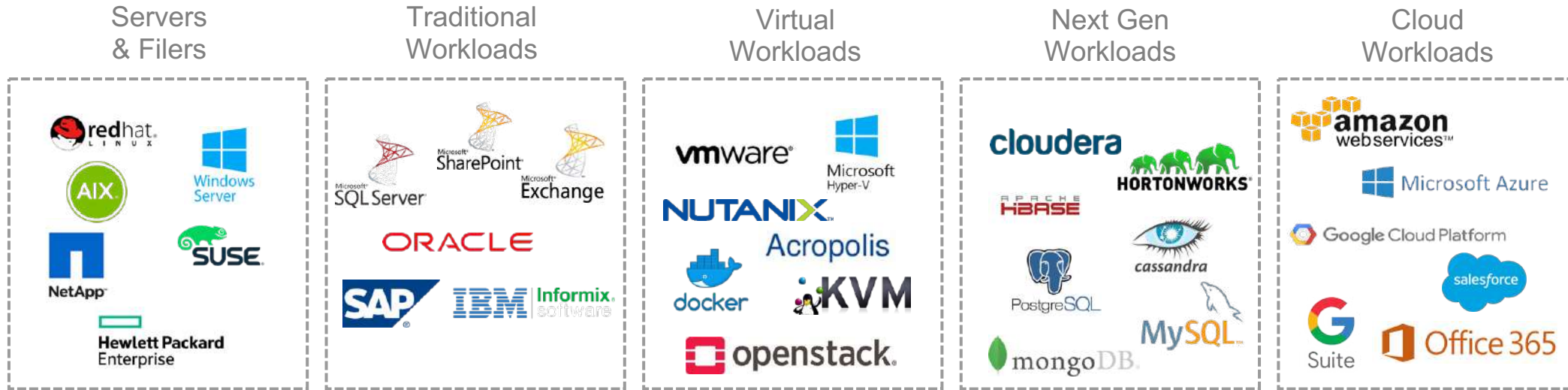
E - Ho intenzione di continuare ad utilizzare piu' di un cloud service provider

0%

# Veritas Hybrid and Multi-Cloud Data Protection









# Breadth and Depth of Workloads



- 800+ workloads support
- 150+ cloud and storage targets
- Extensive Virtualization, NAS and Database workloads support

# Seamless Cyber Resiliency

-  Firewall Blocking Internal Services
-  Restricted Admin Access
-  Mandatory Access Control
-  Restricted Remote Destructive Operations
-  Root Access Removal
-  IDS, IPS, & AIDE

-  Encryption
-  WORM Storage
-  Compliance Clock

- Limited-Service Privileges
- Container Isolation
- Network Segregation
- File System Isolation
- IA, Univ Shares | MSDP

STIG Conforms to the latest DISA (RHEL 7 V3R3) Profiles

FIPS 140-2 Compliant

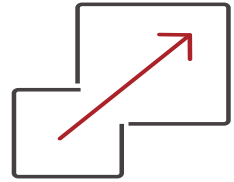
 NetBackup Anomaly Detection

 Malware Scanning

 Policy-Based Retention



# Introducing Veritas NetBackup Appliances



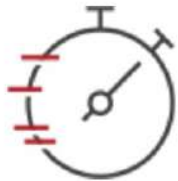
Massive Scale



Optimized Performance



Built-in Resiliency



Fast Deployment



Simplified Management



Proactive Support



Ransomware Resiliency



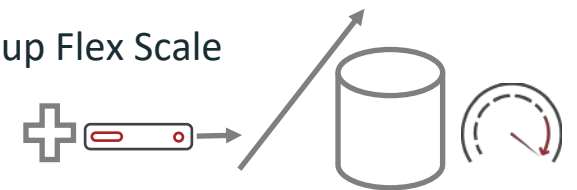
NetBackup Flex



**Scale-Up: Add disks to scale-up your capacity**  
Easily manage segregated departmental data with the ability to logically isolate resources



NetBackup Flex Scale



**Scale-Out: Add nodes to scale-out your cluster**  
Automates capacity scalability and job concurrency in a single self-managed scale-out cluster.

# Veritas NetBackup Flex Appliances

## Cyber resilient by default

- Secure with zero trust
- Hardened with multi layered security
- Immutable data and infrastructure

## Superior scale/performance

- Scalability from 9 TiB to 1920 TiBs
- Performance up to 72 TB/hr<sup>1</sup>
- Ransomware recovery

## Simplified lifecycle support

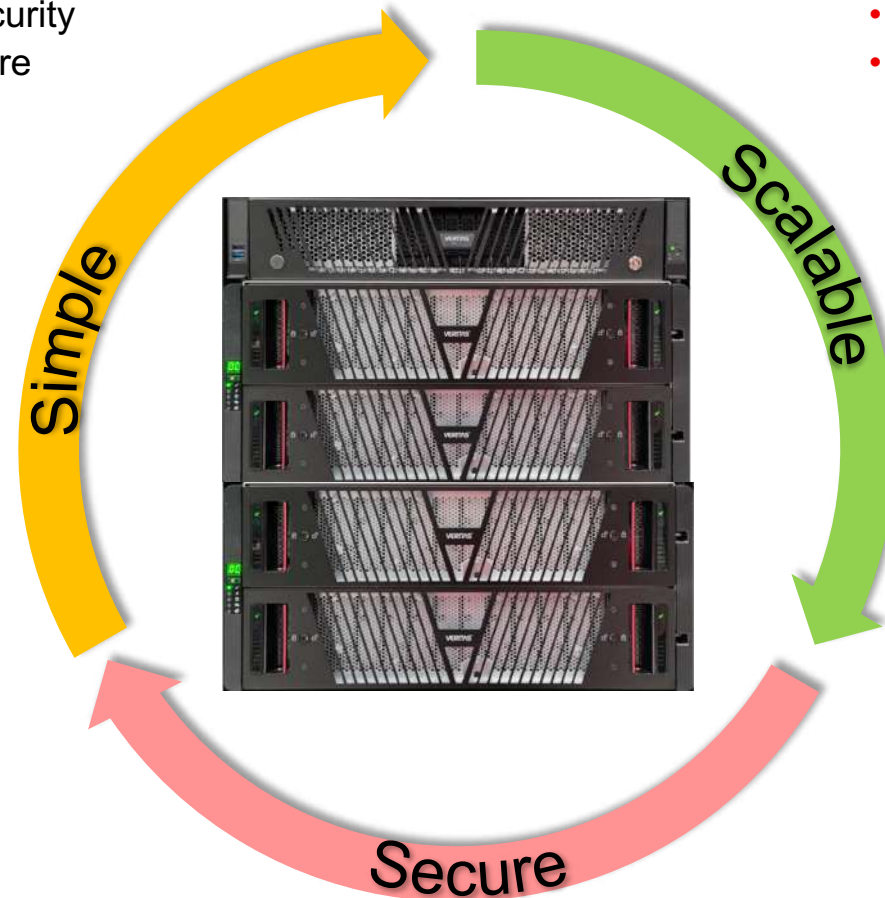
- Ease of upgrades
- 24 X 7 hardware monitoring and alerts
- Veritas managed vendor ecosystem

## Highly available

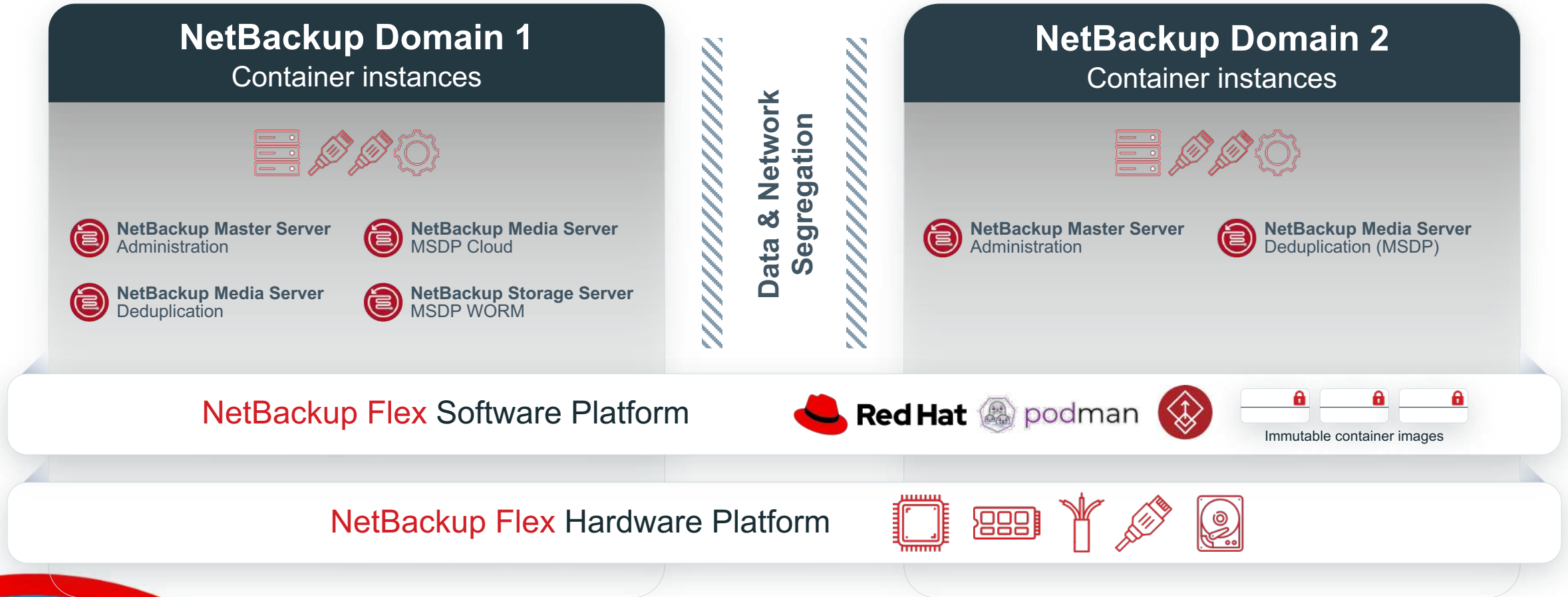
- Reduced RPO/RTO
- Minimize downtime

## Ease of use

- Consolidate multiple domains
- Quickly deploy new instances
- Automate with REST APIs



# Flex Operating Environment



# Veritas NetBackup Flex Scale

## Scale out on Demand

- ✓ Hyper-converged scale-out architecture
- ✓ Expand capacity as needed
- ✓ Automatically add Containers of NetBackup services as the cluster grows

## Distributed Deduplication with MSDP and Erasure Coding

- ✓ Deduplication of backup data across the solution
- ✓ Distributed deduplication offers intelligent data placement to optimize performance and deduplication
- ✓ Erasure Coding is used to provide the best balance between performance, capacity, and resiliency

## Simplified Administration

- ✓ NetBackup services are automatically configured
- ✓ Simple and fast configuration
- ✓ Abstracts media servers with intelligent load balancer
- ✓ Built-in high availability protection

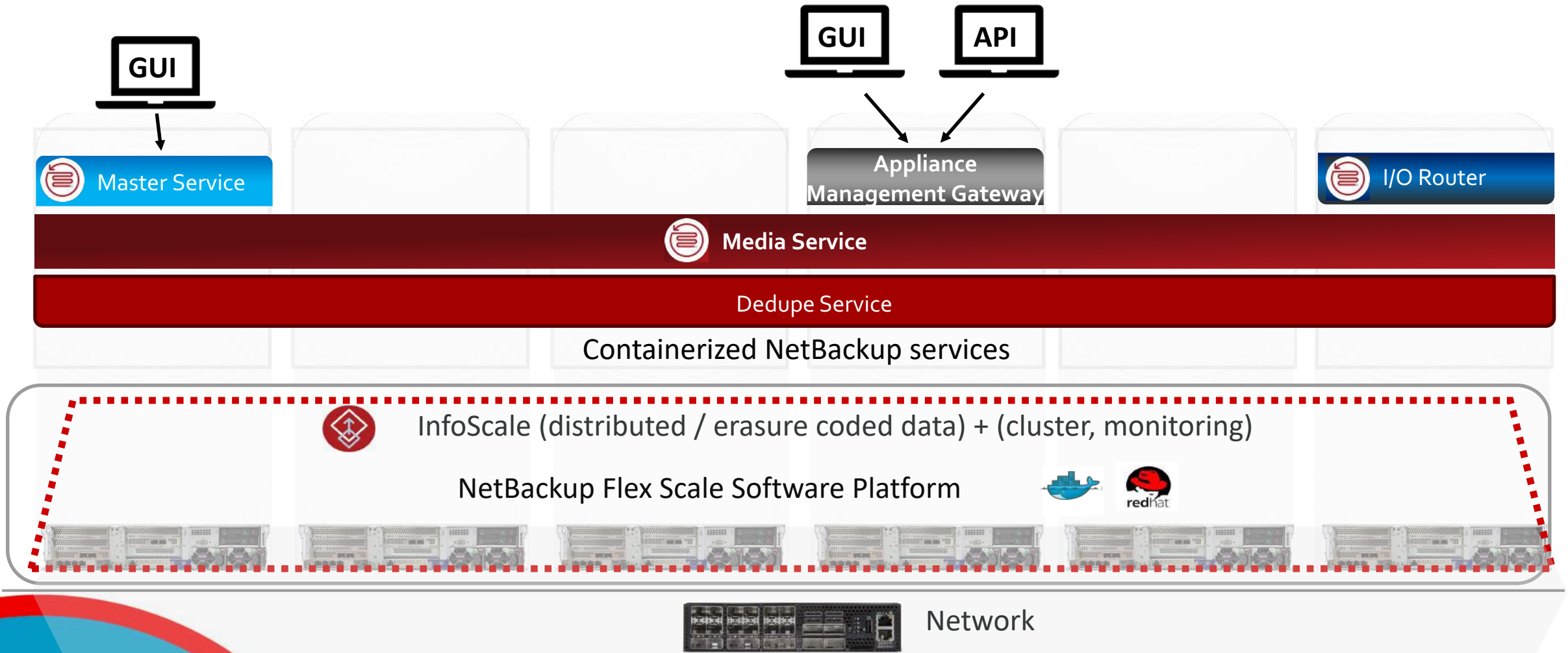
## Simplifying Solution Management Complexity

- ✓ Easily replace nodes for hardware failure or hardware refresh
- ✓ Easily add new nodes to the cluster
- ✓ Rolling upgrades of software components avoiding fork-lift upgrades

## Ransomware Protection

- ✓ Anomaly Detection
- ✓ Policy-based Image Retention
- ✓ MSDP KMS Encryption (inflight from client)
- ✓ Immutable Storage

# Hyper-Converged Containerized Scale-Out Solution



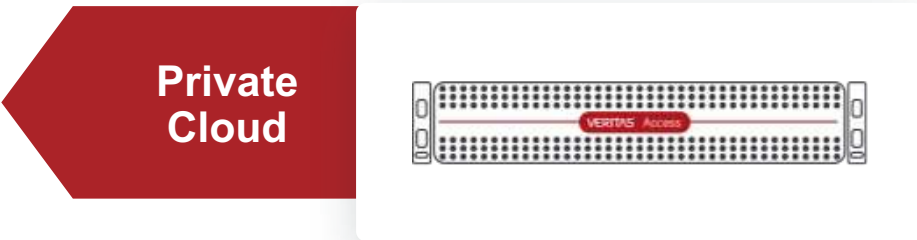
# Optimising your Data Lifecycle Management by Saving Costs



## NetBackup Flex Scale Appliance

- Fast recovery, 30-90 days on-prem

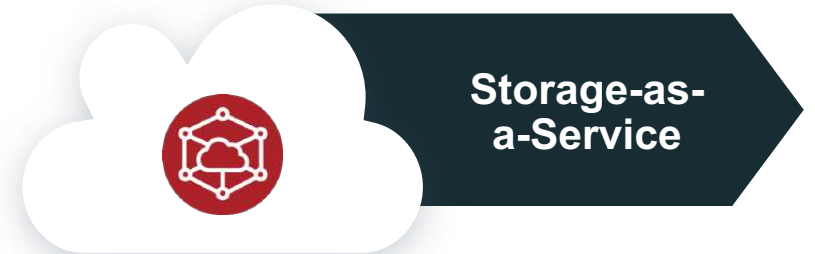
Long-Term  
Retention



Private  
Cloud

## Access Appliance

- Customer-managed
- Economical LTR
- Up to 2.8 PB



Storage-as-  
a-Service

## Veritas Alta™ Recovery Vault

- Storage as a service
- Subscription based
- Veritas-experience in cloud
- Limitless scale

# Veritas Family of NetBackup Appliances

## NetBackup Flex 5260



- ✓ Scales from 9 TB to 400 TB
- ✓ Expands to 6 storage shelves

## NetBackup Flex 5360



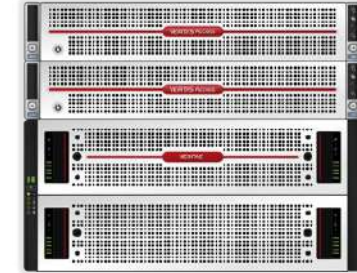
- ✓ Scales from 120 TB to 2,112 TB
- ✓ 2 node HA option

## NetBackup Flex Scale



- ✓ Scales from 448 TB to 1,792 TB
- ✓ Scales out from 4 to 16 nodes

## Access 3360



- ✓ Density option of 4 TB or 10 TB disk
- ✓ Scales from 255TB to 2,544 TB



Massive  
Scale



Optimized  
Performance



Ransomware  
Resiliency



Fast  
Performance



Simplified  
Management



Proactive  
Support

## Quale % dei vs. backup on-prem, prevedete di mettere in cloud in ottica LTR, nei prox. 3 anni?

A - Sino al 25% dei miei dati



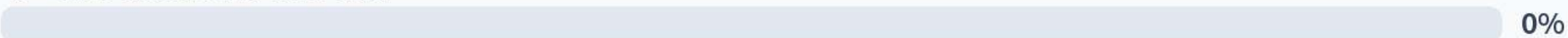
B - Sino al 50% dei miei dati



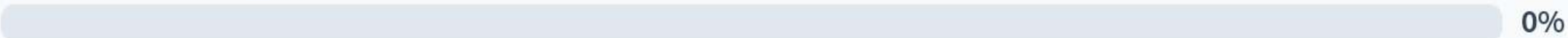
C - Sino al 75% dei miei dati



D - Sino al 90% dei miei dati

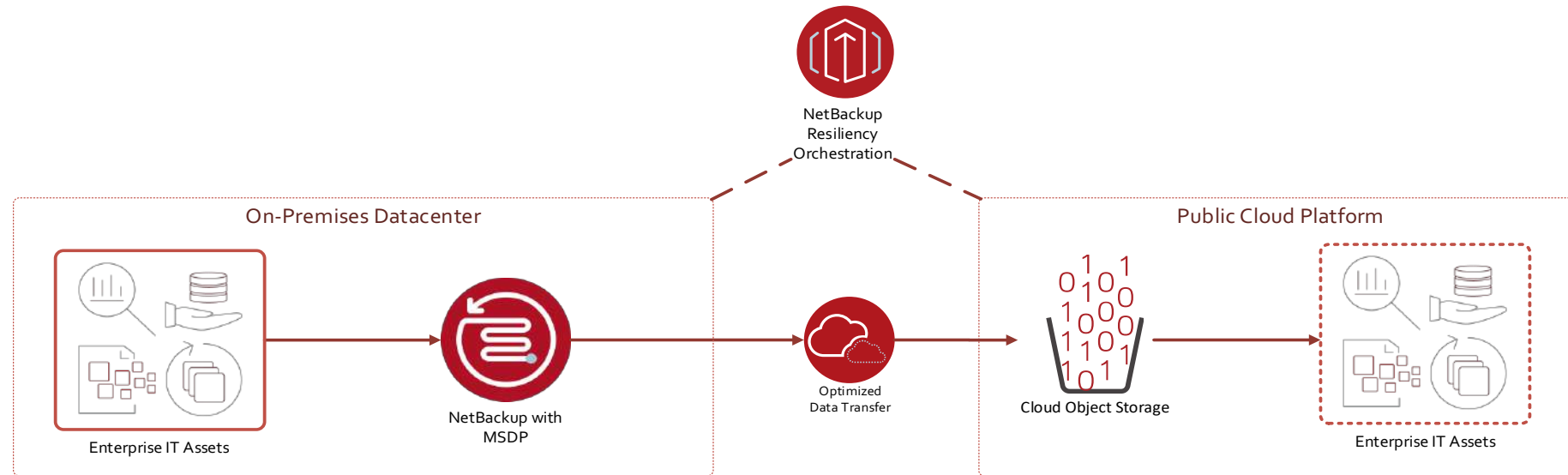


E - Praticamente tutto





# Optimize cloud protection and recovery



## Cloud Recovery

Resiliency for on-prem systems using backups that are restored in the cloud

Use resources on-demand

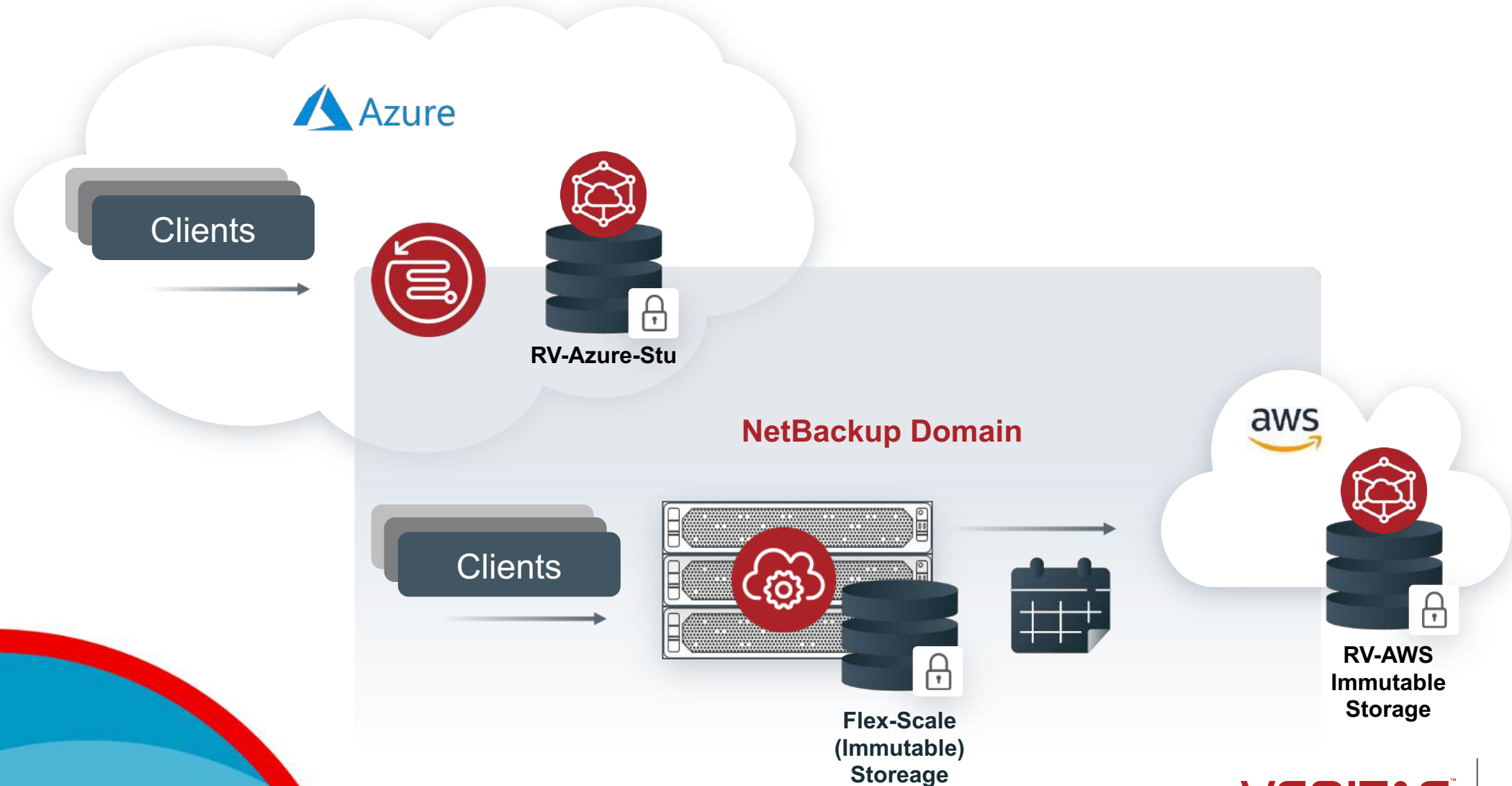
## Automation

Automate the entire cloud recovery process

Seamless to the end user

Shifts the perception from 'restore' to 'resiliency'

# Hybrid and Multi-Cloud Data Protection Reference Architecture

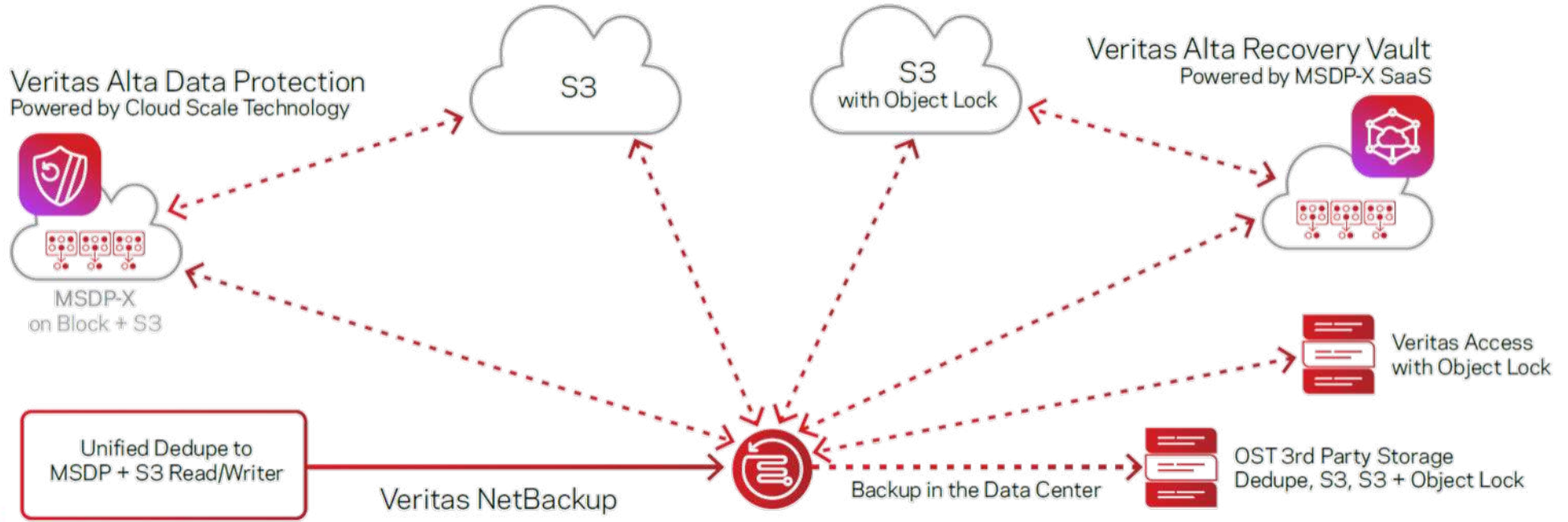


# The Holistic Picture

## Backup in the Cloud



## Retention in the Cloud



# Veritas 360 Defense

- Heterogeneous Asset Inventory
- Holistic Data Posture Management
- Behavioral Anomaly Detection
- Multi-Tiered Data Classification
- End User Sentiment Analysis
- Multi-Layered Immutability
- Pull-Based Recovery Environments
- Extensible Orchestrated Recovery



# Our Strategy



## Data Protection

---

- Secure, Access, & Utilize Data
- Automate Flexible Recovery
- Provide Intelligent Observability

**Provides Unmatched Ransomware Resiliency**



## Application Resiliency

---

- App Data Resiliency in Real-Time
- Meet Performance SLAs
- Simplify Hybrid Cloud Mobility

**Powers the Always-On Business**



## Data Compliance & Governance

---

- Capture & Visualize Everything
- Archive Anywhere
- Discover What Matters

**Illuminates and Remediates Information Risk**

Red Hat  
**Summit**

**Connect**

**Q&A?**

**VERITAS™**

Come valuti i contenuti esposti nello speech?



Red Hat  
**Summit**

**Connect**

**Thank you**

**VERITAS™**