



# Securing your Most Critical Assets

**VERITAS**

Daniel Boulet, Senior Advisor  
September 30, 2020

# AGENDA

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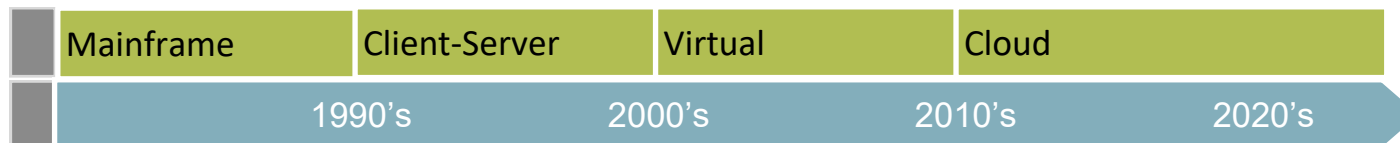
- *Veritas Overview*
- *NetBackup 8.3*
- *Cloud Backup*
- *Appliances*
- *Archiving*
- *Analytics*

# History of Innovation

## The last 30 years



- DR orchestration @scale 2020
- Predictive Insights 2020
- Containers (Docker) 2020
- Information Classifier 2019
- Multicloud 2019
- SDS for OpenStack 2018
- Data Genomics 2016
- Backup as a Service 2012
- Cloud connectors 2012
- Accelerator: delta backups 2012
- Integrated backup appliances 2007
- Open Storage Technology (OST) 2007
- V-Ray for virtual 2007
- Disk backup 2004
- SAN - shared storage 1999
- Windows 1998
- Snapshots 1997
- NAS 1996
- Unix 1995



# Your Partner for Data Opportunity

**VERITAS™**



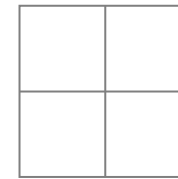
**98%**

of the Fortune 100 entrust their data to Veritas



**10 of 10**

Leading commercial banks, financial customers data service providers and telecommunications companies trust Veritas



**18x**

Named a leader in Gartner's Magic Quadrant for Data Center Backup and Recovery Solutions



**50,000+**

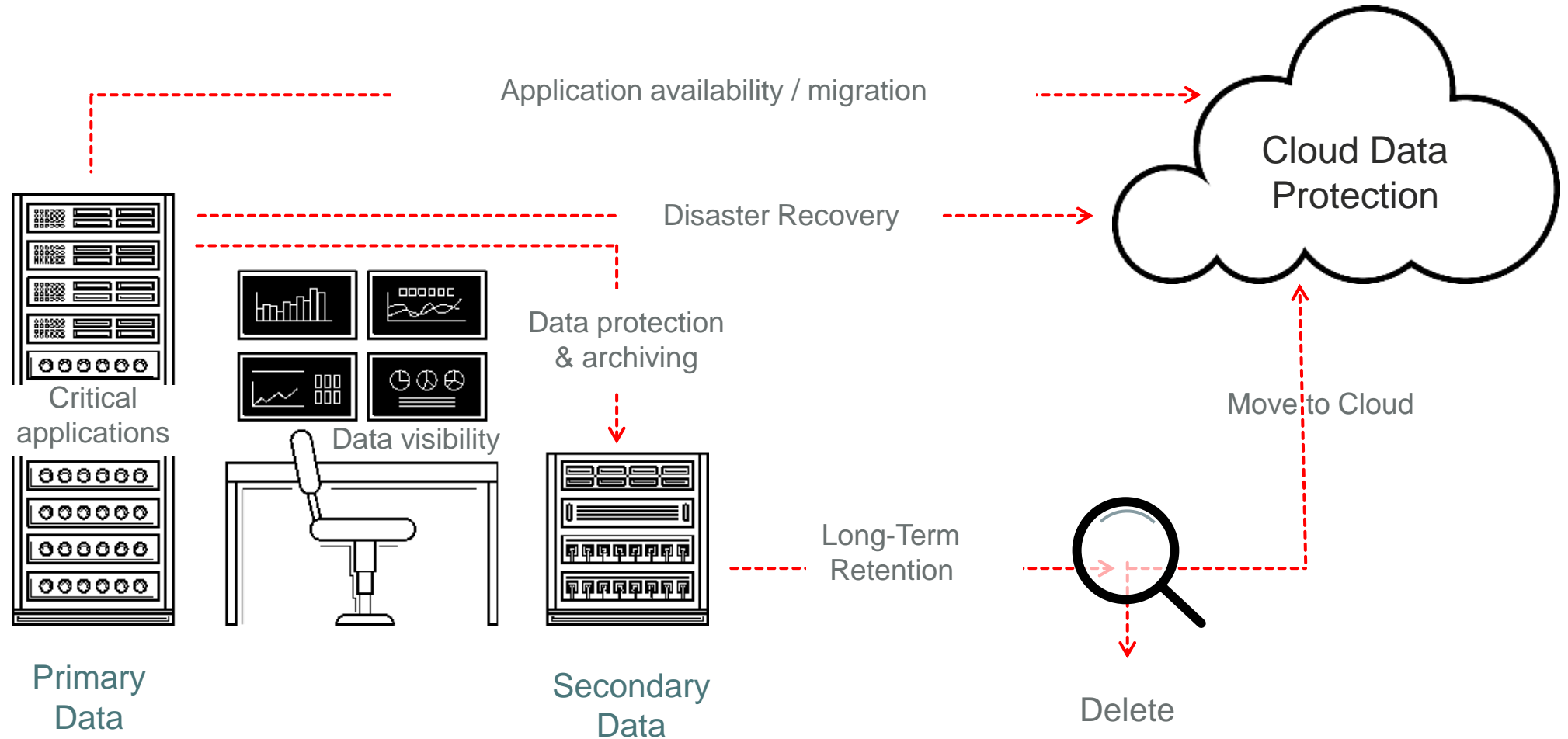
Customers

The world's leading cloud providers partner with Veritas



# Customer Data Management Needs

## A Deeper Understanding



**500+**  
Data Sources

**150+**  
Storage Targets

**50+**  
Clouds

**EVERY**  
Deployment Model

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# NetBackup v8.3



## WORKLOADS

Market leading support for  
**ALL YOUR DATA**

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*Protecting VMware at scale*

*Growing with Nutanix AHV*

*Reduce complexity of managing  
MS SQL*

*Simplified Oracle RAC protection  
& improved performance*

*Dynamic NAS protection*

*Optimized protection & storage  
with universal shares*



## CLOUD

Best in class solution data  
protection solutions for  
leading cloud providers

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*Enhance backup to the cloud with  
integrated MSDP/CloudCatalyst*

*Unified and complete recovery  
solution across major IaaS, PaaS and  
SaaS services*

*Provide automated multi RTO/RPO  
based data center disaster recovery  
and migration orchestration*

*Increased entitlements (CloudPoint &  
VRP) and simplified licensing with  
NetBackup Complete Edition*



## OPERATIONAL SIMPLICITY

Simplify everything, scale  
with growth, enable seamless  
deployment and integration

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*Allow backup & workloads admins  
to do common tasks in a single UI*

*Delivering operational API's*

*Overview of growth and capacity  
planning*

*Improved install/upgrade  
experience with freedom from Java*

*Multi-domain MSDP*



## SECURITY & COMPLIANCE

Improve accountability,  
provide insights and deliver  
ransomware immutability

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*Secure access, greater control  
across any network*

*Delivering secure infrastructure  
with EKMS and 2048 encryption*

*Enhanced ransomware  
protection with immutability,  
appliance MSDP hardening,  
improved recovery efficiency*





# WORKLOADS

VERITAS

**NETBACKUP 8.3**

Protecting VMware at scale :	Faster discovery, up to 30K VMs on single vCenter, vTPM support, instant recovery (Windows, RedHat, CentOS), vSphere 7
Growing with Nutanix AHV:	Nutanix AHV plugins, leverage CBT & Nutanix snapshot, accelerator
Reduce complexity of managing MS SQL:	Support MS SQL AG, restores to original or alternate, stream handler (improve dedupe), instant access
Simplified Oracle RAC protection & improved performance:	Cluster aware, Oracle wallet integration, improvement in Oracle intelligent policies, auto discover RAC instances, nodes load balancing, optimized dedup stream handler
Dynamic NAS protection:	NDMP alternative, removes dependencies (restore anywhere), load balancing, NAS CBT, auto multiple stream (peak perf.)
Optimized protection & storage with universal shares:	AD integration, quotas, support 5M files per share, protection point policies, faster backup & cataloging



# OPERATIONAL SIMPLICITY

VERITAS

NETBACKUP 8.3

Allow backup & workloads admins to do common tasks in a single UI: Various UI and workflow updates, policy mgmt. for top workloads, easier task completion, SSO across multiple masters

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Delivering Operational APIs: Portfolio integration for VRP (Veritas Resiliency Platform) and Cloudpoint, many API reference documents, integrates with Ansible, Chef, Puppet

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Overview of growth and capacity planning: See your entitlements, easy to plan for future growth

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Improved install/upgrade experience with freedom from Java: Major steps towards Java-freedom, more and more API driven, VxUpdate improvements

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Multi-Domain MSDP: Single MSDP dedup pool across multiple NBU domains





# SECURITY & COMPLIANCE

VERITAS

**NETBACKUP 8.3**

Secure access, greater control across any network

Granular control via RBAC, SSO powered by SAML, audit logs export to syslog server

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Delivering secure infrastructure with EKMS and 2048 encryption

EKMS integration, 2048 bit encryption keys for NBU issued certificates

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Enhanced ransomware protection with immutability, improved recovery efficiency

Manage immutable images of backup (use immutable capable storage managed by NBU policies), VRP integration with CDP (minimal to no data loss)



## CLOUD

VERITAS

NETBACKUP 8.3

Enhance backup to the cloud with integrated MSDP/CloudCatalyst:

MSDP & CC converged on single media server, multi-bucket support, client side dedup direct to/in cloud, store data directly to S3 cloud storage

Unified and complete recovery solution across major IaaS, PaaS(Cloudpoint) and SaaS services:

VRP integration, WebUI can configure DR options, WebUI dashboards, DR to the cloud made easier

Provide automated multi RTO/RPO based data center disaster recovery and migration orchestration:

Support AWS, Azure, GCP snapshot, orchestration of VMware assets/workload by VRP

Increased entitlements (CloudPoint & VRP) and simplified licensing with NetBackup Complete Edition:

View entitlements including CloudPoint and VRP, no more external licenses for those products (now included in NBU)

# SaaS Backup Offerings

## Hosted service

No hardware purchase required or software to install (zero management, zero maintenance)

## Per user, subscription based

Aligns to SaaS application vendors minimal management (which user to backup, frequency of backup)

## Unlimited Storage

Savings on storage costs

## Unlimited retention

Retains data beyond SaaS vendor data retention limits



### Office 365 Backup

- Emails
- Calendar
- Contacts
- Tasks
- Shared mailbox
- In-place archive
- OneDrive
- SharePoint
- Groups and team sites
- Teams
- Public folders



### G-Suite Backup

- Emails
- Calendar
- Tasks
- Google drive
- Team drive
- Sites
- Docs



### Salesforce Backup

- Accounts
- Contacts
- Leads
- Opportunities
- Activities
- Notes
- Cases
- Customer fields on the above

# SaaS Application's Native Data Protection is Limited

	O365 Native Data Protection	Veritas SaaS Backup
1 Data retention beyond x days <sup>1</sup>	?	✓
2 Point in time restores challenge	?	✓
3 Protection from 'empty recycle bin'	?	✓
4 Granular restore	?	✓
5 Easy search and find	?	✓

*Potential exposure to permanent data deletion and missed RPOs and RTOs*

1 –Depends on the type of subscription.

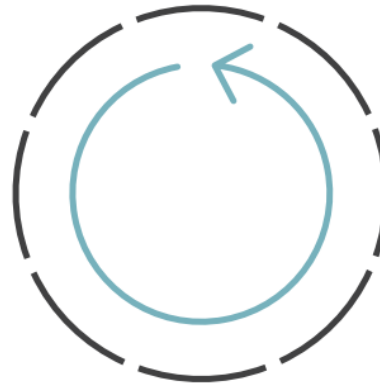
# Introducing Veritas SaaS Backup

## Ease of use



- Setup in minutes
- Automated backups
- Access anywhere

## Quick restores



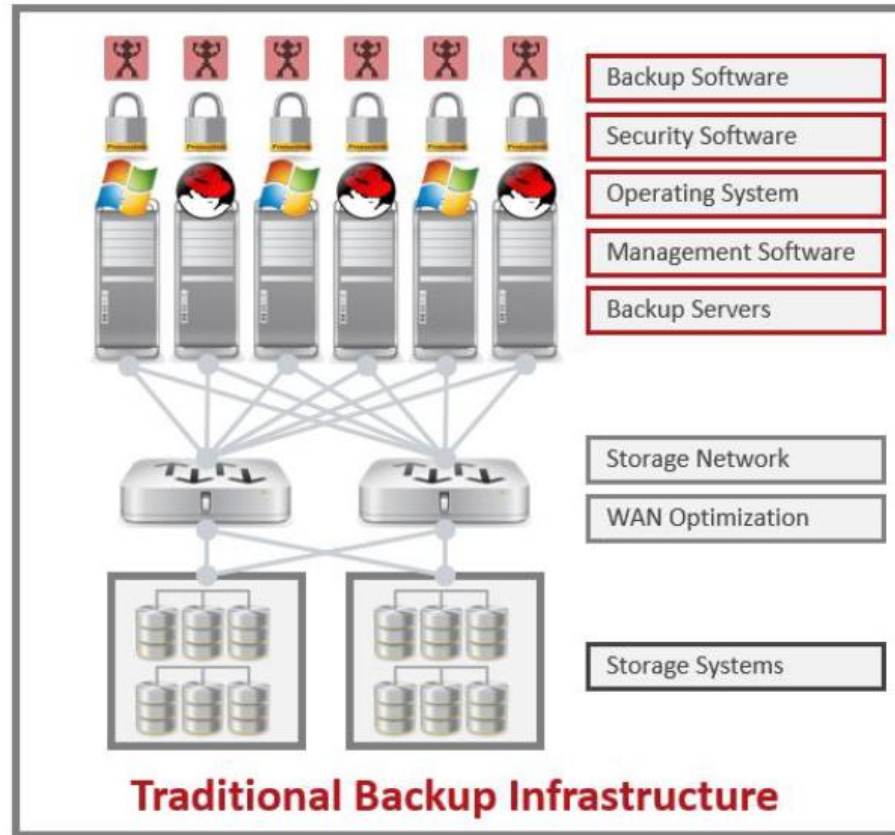
- Restore at any level
- Granular restores
- Restore options

## Cost savings



- No hardware
- No installation
- No maintenance

# Modernized Data Protection – Simplified & Converged



**NetBackup** Integrated Appliance



# The Updated Veritas Appliances Product Portfolio

## NetBackup **5250** Appliance



- ✓ Master and/or Media Server
- ✓ 4TB -> 400 TB storage
- ✓ “Swiss Army Knife”
- ✓ Cloud Catalyst

Predictable high performance data protection for **moderate workloads**

## NetBackup **5340** Appliance



- ✓ Dedicated Media Server
- ✓ 120TB -> 1.9 PB storage
- ✓ Available in HA
- ✓ High Performance

Predictable **highest performance** data protection for enterprise workloads

## NetBackup *Flex-HA* **Appliance** **5340**



- ✓ Containerized NBU
- ✓ Flexibility, Agility, HA
- ✓ 120TB -> 1.9 PB storage
- ✓ Master, Media, Cloud Catalyst

**Run multiple** Veritas products & domains on a single **converged Hardware solution**

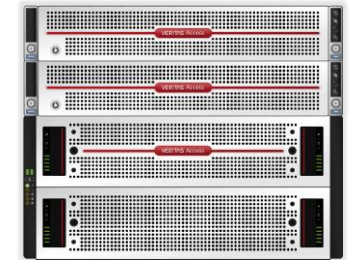
## NetBackup *Flex* **Appliance** **5150**



- ✓ Containerized NBU
- ✓ 1RU form factor
- ✓ 16 TB maximum storage
- ✓ Master, Media, Cloud Catalyst

**Run multiple** Veritas products on a single converged solution for **Remote Office.**

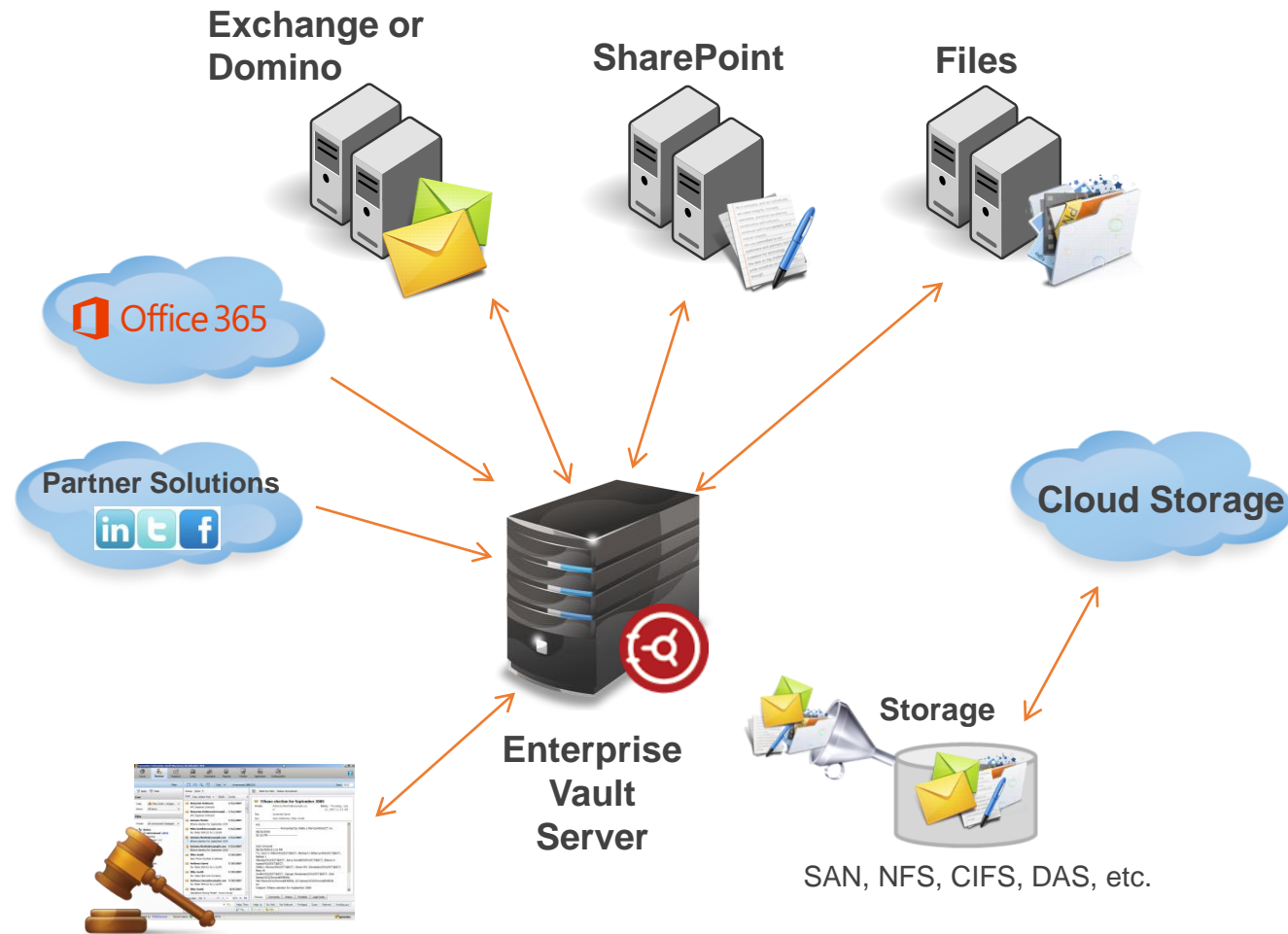
## Access **3340** Appliance



- ✓ Long-term data retention object storage
- ✓ 2.5 PB max storage
- ✓ Includes NetBackup Deduplication

**Long-term** data storage and archiving as tape and **public cloud alternative**

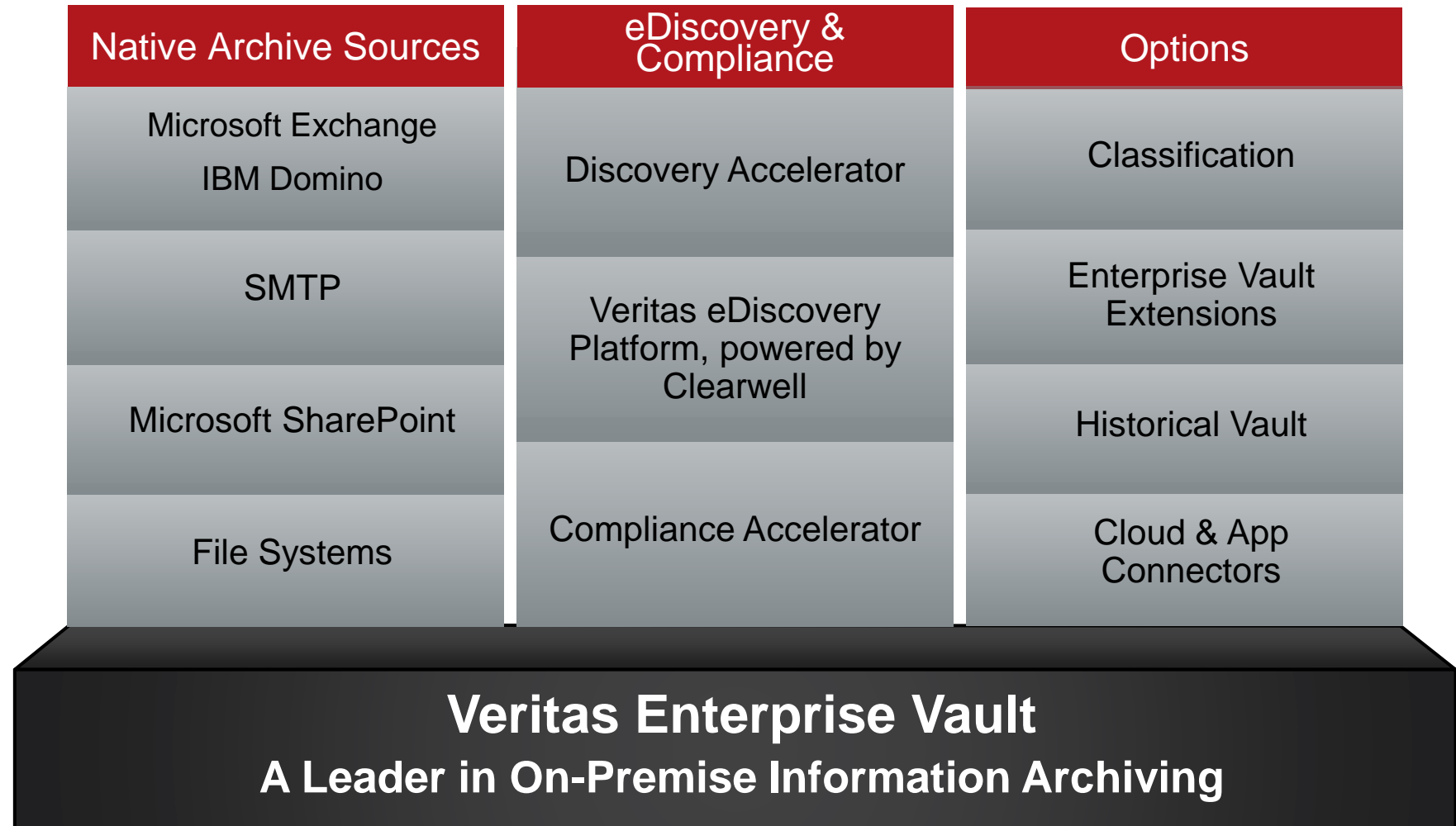
# Enterprise Vault Architecture



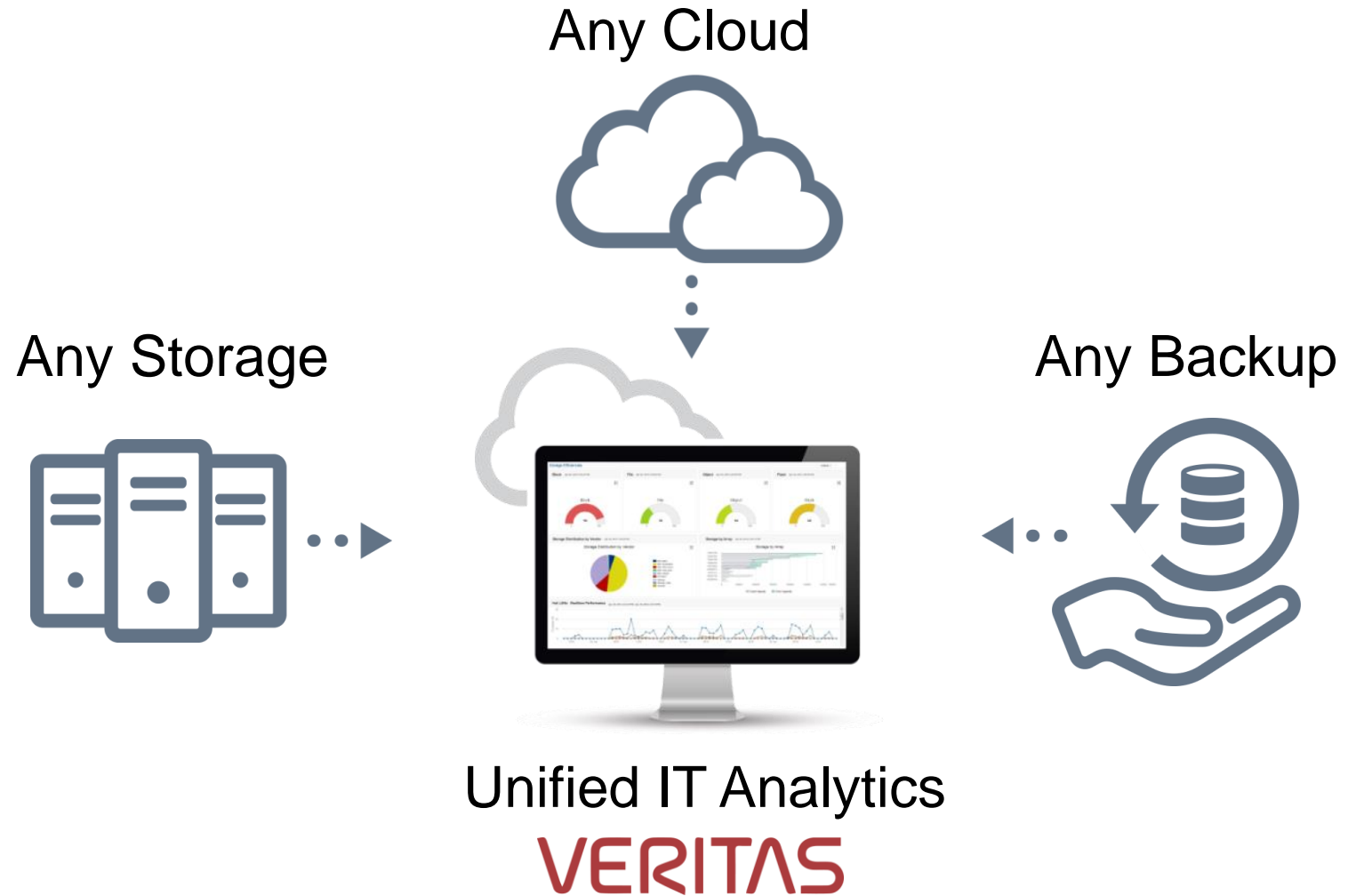
**eDiscovery & Compliance**

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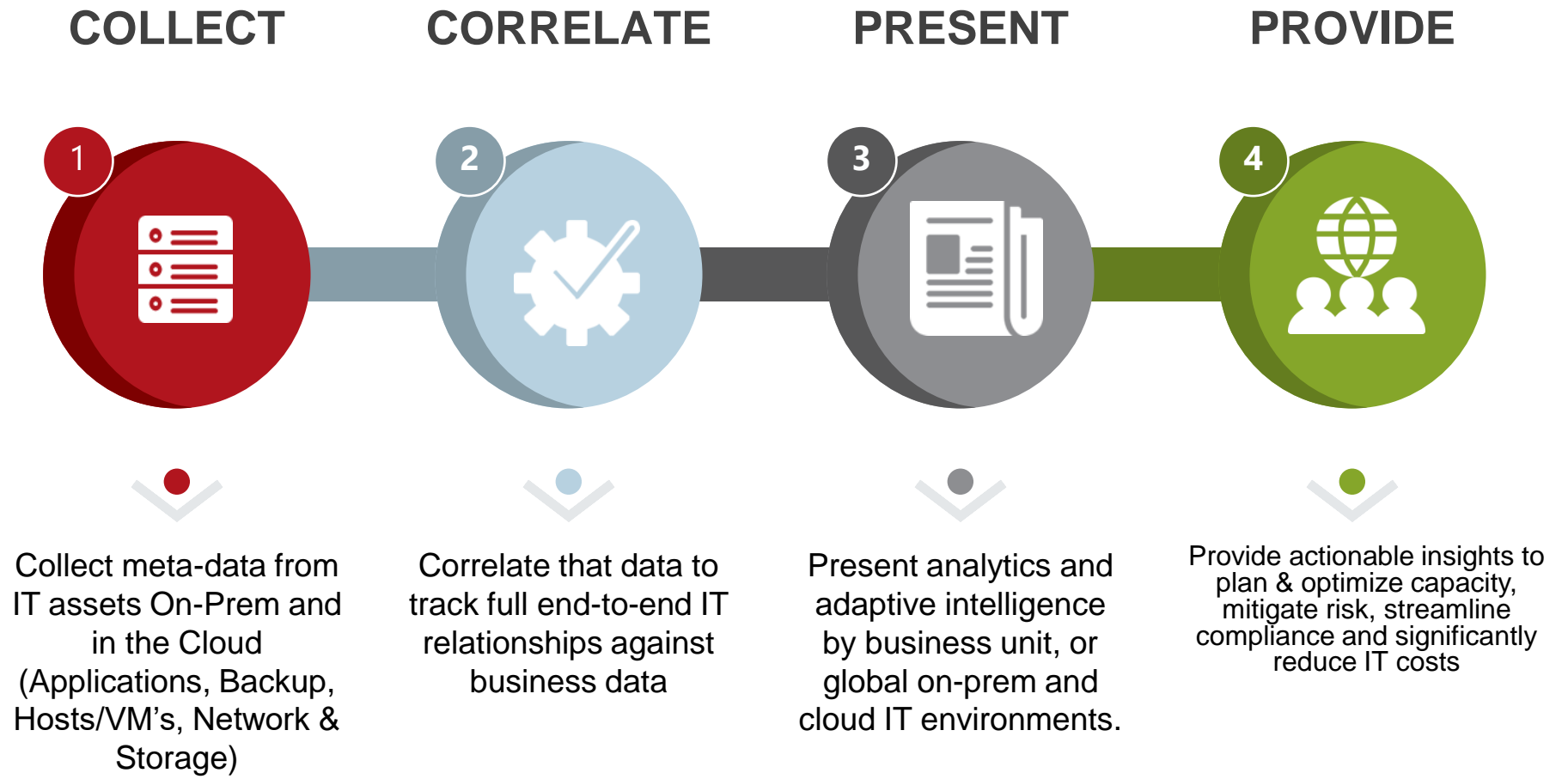
# Governance - Enterprise Vault Portfolio



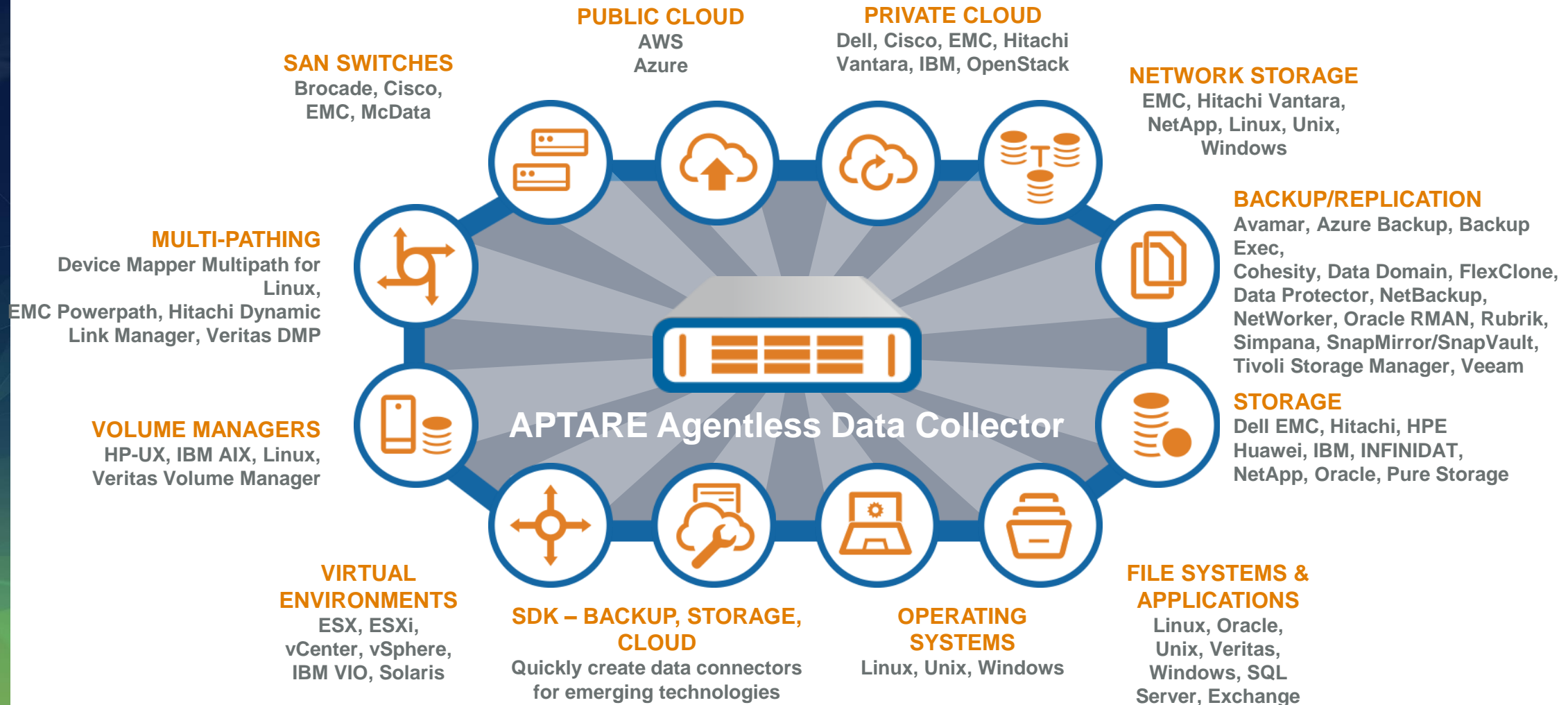
# What is Veritas APTARE IT Analytics?



# Veritas APTARE IT Analytics – How Does it Work?



# Data Collection: Agent-Less





# TAKE AWAYS

**VERITAS**

- Leader in data management
  - Backup, cloud, archive, analytics
- NetBackup 8.3 brings a lot of new cool stuff
- Solid solution for all cloud requirements
- Veritas O365 solution is great
- Easy to use & powerful appliances