



Technical Session I: Managing Your Data in a Hybrid World

March 15, 2018 | 1 – 1:30 p.m.
#PSVisionDay2018

Produced By:



VERITAS[™]

The truth in information.

Featured Speakers:



Jonathan Alboum
Chief Technology Officer,
Public Sector,
Veritas



Skip Farmer
SE Manager and
Distinguished Engineer,
DoD and Advanced Programs,
Veritas

Path to Total Digital Transformation

Different demands, same journey

Economic Drivers

Digital Transformation

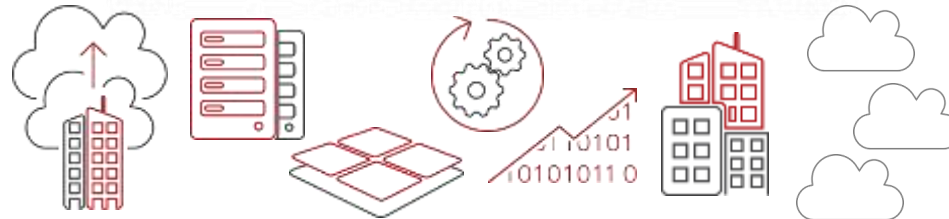


Specific Industry Needs



What Is Required

IT Infrastructure Modernization

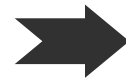


Hybrid, Multi-cloud Reality



Past

Physical Data
Centers



Today

Mix of Physical and
Cloud



Future

Multiple Clouds and
Data Centers

What is Difficult?

Visibility, and access to business data

- Meeting compliance **requirements**
- Managing **growing** data volumes
- Keeping **critical** applications available
- **Protecting business data**



Digital Business Demands a new Data Protection Approach

VERITAS[®]

Multi-Cloud



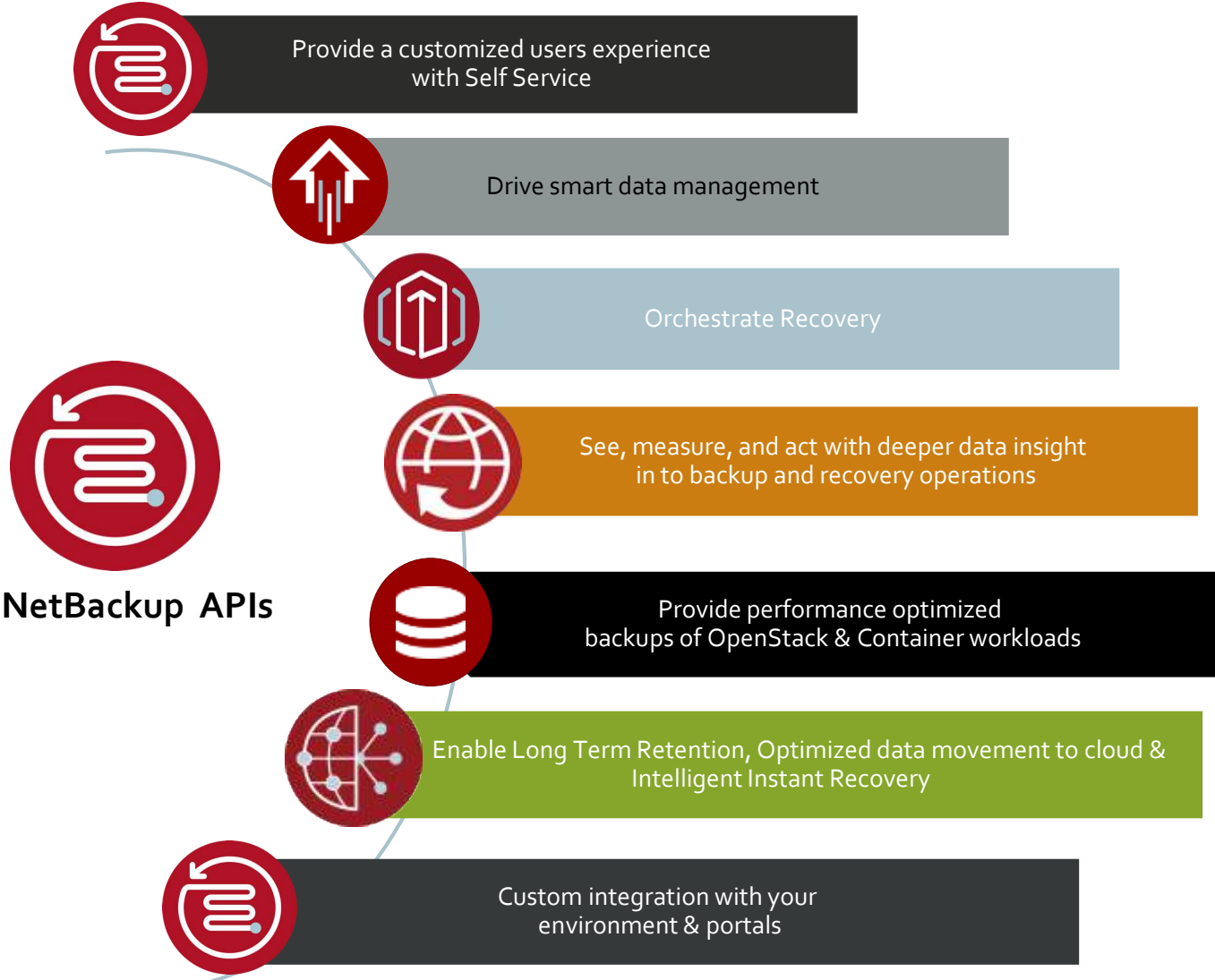
Multi-Workload



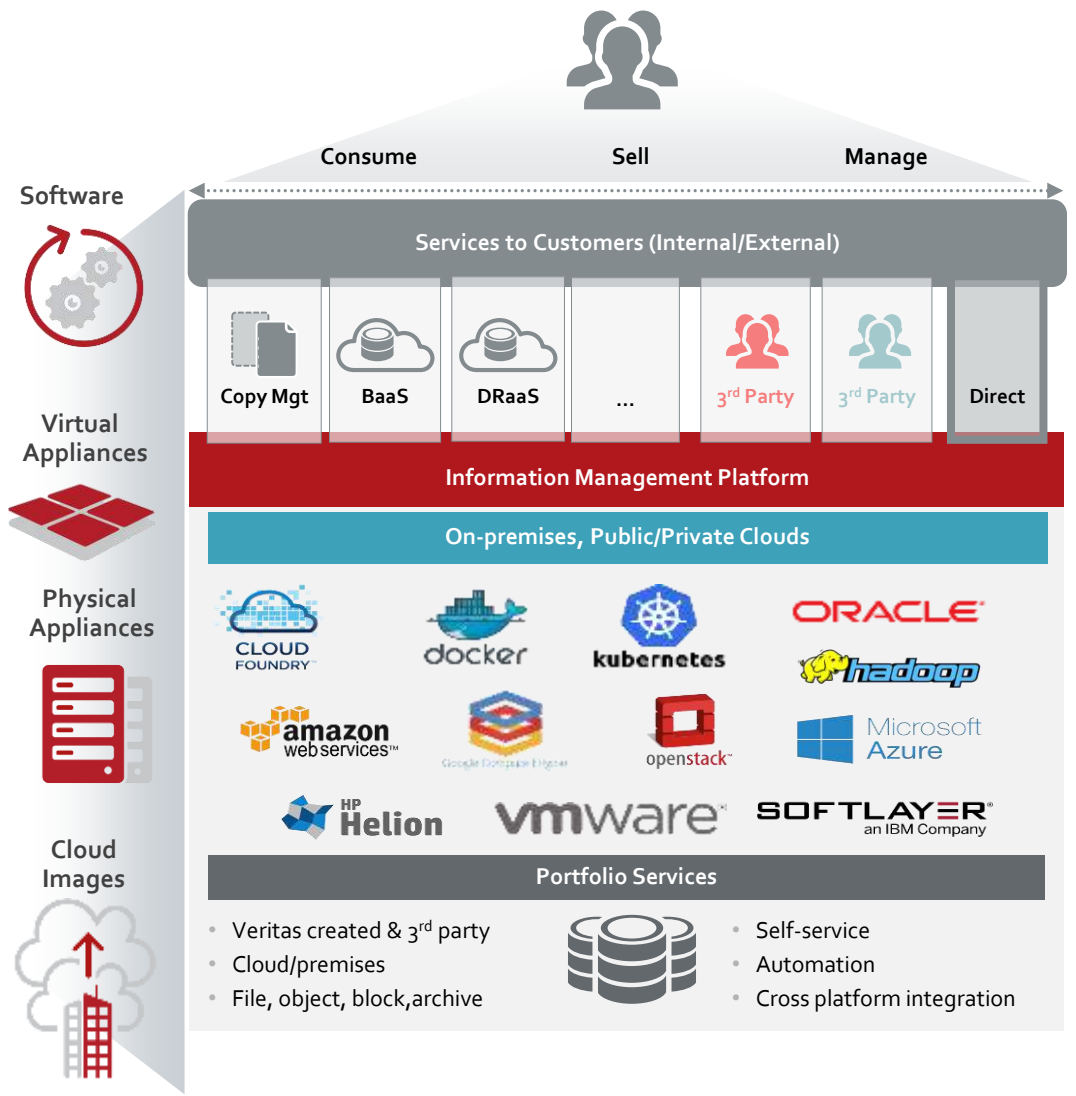
Multi-Storage



What we are Working Towards



NetBackup APIs



Part of the Vision

CloudPoint: Multi-Cloud Data Protection w/ Veritas

Digital business demands a new data protection approach

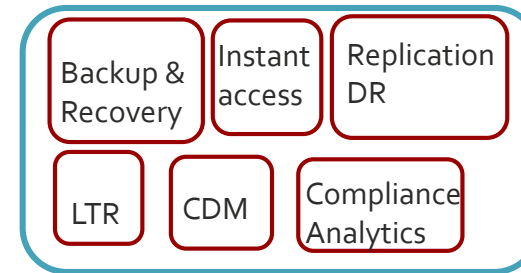
Multi-Platform



Multi-Workload



Multi-Use Case



Architecture

- ✓ Application Centric
- ✓ Cloud native
- ✓ Scale-Out
- ✓ Lightweight, resource efficient
- ✓ Extensible/Pluggable



Form and Functionality

- ✓ Common SW solution for on-prem and cloud
- ✓ **Software** and **HW Appliance** form factors
- ✓ **Converged secondary storage** use cases.
- ✓ Protect customer data sources in the cloud
- ✓ Single console across clouds/DC
- ✓ Data Classification, Visualization

Central Management Dashboard for all your Clouds

STREAMLINE AND AUTOMATE BACKUPS

The screenshot displays the Veritas CloudPoint 1.0 dashboard. The interface includes a left-hand navigation menu with options: Dashboard, Applications, Hosts, File Systems, Disks, Policies, Agents, and Plugins. The main dashboard area is divided into several sections:

- Applications:** A summary card showing 'Protected' status (0/0) and 'Snapshot Count' (0).
- Disks:** A summary card showing 'Protected' status (0/0) and 'Snapshot Count' (0).
- File Systems:** A summary card showing 'Protected' status (0/0) and 'Snapshot Count' (0).
- Hosts:** A summary card showing 'Managed hosts' with 'Protected' status (0/0) and 'Snapshot Count' (0).
- Plugins:** A table showing the status of plugins.

	Configured	Available
Off-host	0	5
On-host	0	2

	Successfully created snapshots	Failed snapshots
Last Day	50	9
Last Week	250	20
Last Month	1000	50

- A lightweight solution
- Provides consistent snapshot-based backup
- Protects applications and workloads in a wide range of cloud platforms and storage arrays

Part of the Vision Improved Appliance Management

Appliance Management Server

Home

Total Alerts Models

All	Critical	Error	Warning	5240	5330	5230	Virtual
8	8	2	0	1	3	3	1

+ Add X Remove New folder Move Create Filter Manage Search...

<input type="checkbox"/>	Appliance hostname	Model	Role	Version	Capacity utilization	Last contact time
^ <input type="checkbox"/>	Mountain View (4)					
<input type="checkbox"/>	voyesmadnbu01.bck.nnit.com (AMS)	5240	Master	3.2	63.2%	Dec 22, 2017 18:05:23
<input type="checkbox"/>	voyesmadnbu02.bck.nnit.com	5330	Media	3.1	72.9%	Dec 22, 2017 18:05:23
<input type="checkbox"/>	voyesmadnbu03.bck.nnit.com	5330	Media	3.1	52.7%	Dec 22, 2017 18:05:23
<input type="checkbox"/>	voyesmadnbu04.bck.nnit.com	5230	Media	3.1	48.4%	Dec 22, 2017 18:05:23
^ <input type="checkbox"/>	Roseville (4)					
<input type="checkbox"/>	voyesmadnbu05.bck.nnit.com	5330	Media	3.1	63.2%	Dec 22, 2017 18:05:23
<input type="checkbox"/>	voyesmadnbu06.bck.nnit.com	5230	Media	3.1	72.9%	Dec 22, 2017 18:05:23
<input type="checkbox"/>	voyesmadnbu07.bck.nnit.com	5230	Media	3.1	52.7%	Dec 22, 2017 18:05:23
<input type="checkbox"/>	voyesmadnbu08.bck.nnit.com	Virtual	Media	3.1	48.4%	Dec 22, 2017 18:05:23

FILTER APPLIANCES

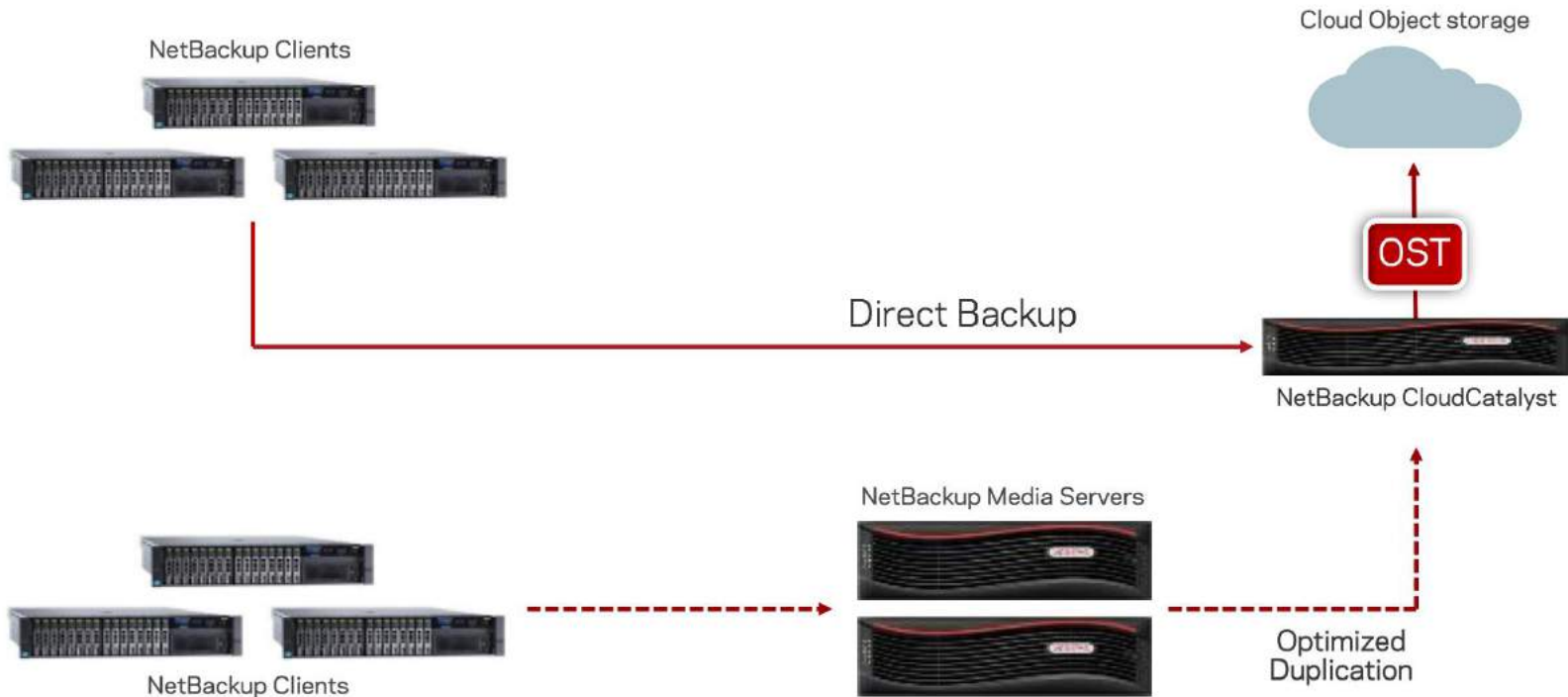
- ADD/REMOVE
- MOVE
- FILTER AND SEARCH
- MANAGE ACTION

- VIEW AND SELECT
- APPLIANCE INFORMATION
- HOST NAME
- MODEL
- ROLE
- SOFTWARE VERSION
- TOTAL CAPACITY
- LAST CONTACT TIME

Part of the Vision

Leverage Cloud for Long Term Retention

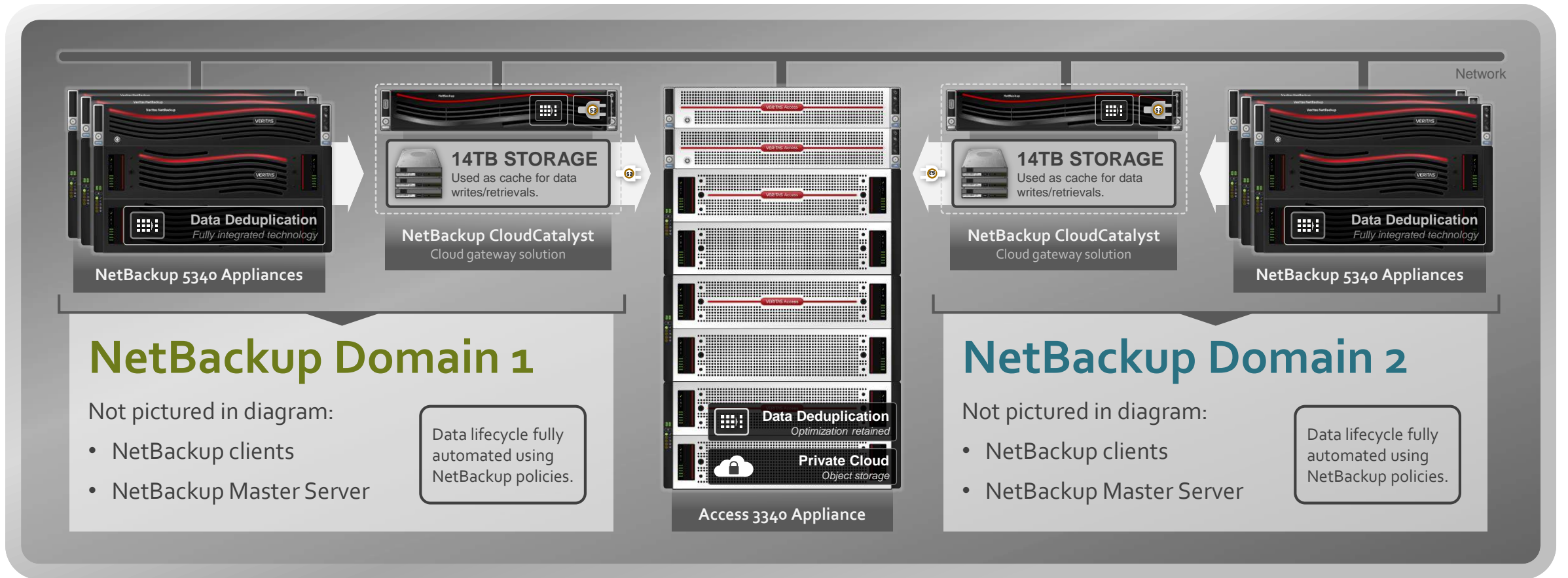
Introducing **Veritas NetBackup CloudCatalyst**



! Reference HOL

Part of the Vision

Leverage Cloud for Long Term Retention



Part of the Vision Veritas Flex Appliance Information Defined Data Management

- Master Servers
- Media Servers
- Dedupe Servers
- Cloud Gateways
- Storage Servers



Information Defined, Containerized Services

Add/Change Services, On-Demand

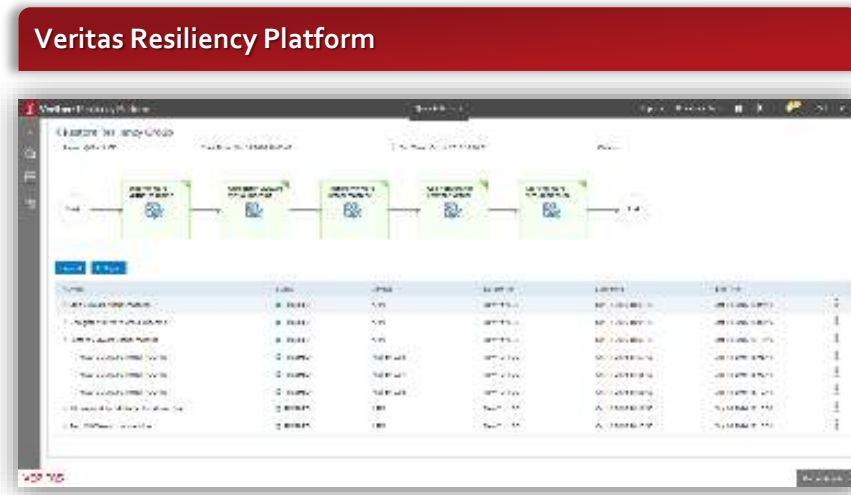
Backup and Recovery
Data Reduction

Cloud Gateways
Long Term Retention
Future Storage Services

Part of the Vision Predictable Disaster Recovery

Veritas Resiliency Platform

- Orchestrate complex recoveries with a single click
- Ensure DR readiness with non-disruptive rehearsals
- Achieve Service Level Objectives with a unified approach









Orchestrate

NetBackup
Systems



Summary of the New Approaches

Access unmatched enterprise backup and recovery functions in your cloud of choice

<p>Declarative Policy-based Automation</p> 	<p>Automated Discovery and Protection of Cloud Instances</p> 	<p>Application Consistent Snapshots</p> 	<p>Granular Search and Recovery in Minutes</p> 
			
<p>Classification, and Deletion of PII</p> 	<p>Replication for Disaster Recovery</p> 	<p>Role Based Access Controls to Enable Self-Service</p> 	<p>Real-Time Operational Insights and Reporting</p> 

Q & A

Thank you!

Jonathan Alboum and Skip Farmer

Jonathan.Alboum@veritas.com

Skip.Farmer@veritas.com

Copyright © 2017 Veritas Technologies. All rights reserved. Veritas and the Veritas Logo are trademarks or registered trademarks of Veritas Technologies or its affiliates in the U.S. and other countries. Other names may be trademarks of their respective owners.

This document is provided for informational purposes only and is not intended as advertising. All warranties relating to the information in this document, either express or implied, are disclaimed to the maximum extent allowed by law. The information in this document is subject to change without notice.

VERITAS™