



▶ Datamanagement with
Commvault

▶ Marc De Schepper | Peter Maes



▶ What's New and Focus area's

▶ What is hot ...Cloud is HOT

Backup *to* the cloud

- Sending on-premise production data to cloud storage

Disaster recovery in the cloud

- Recovering production workloads in the cloud

Backup *in* the cloud

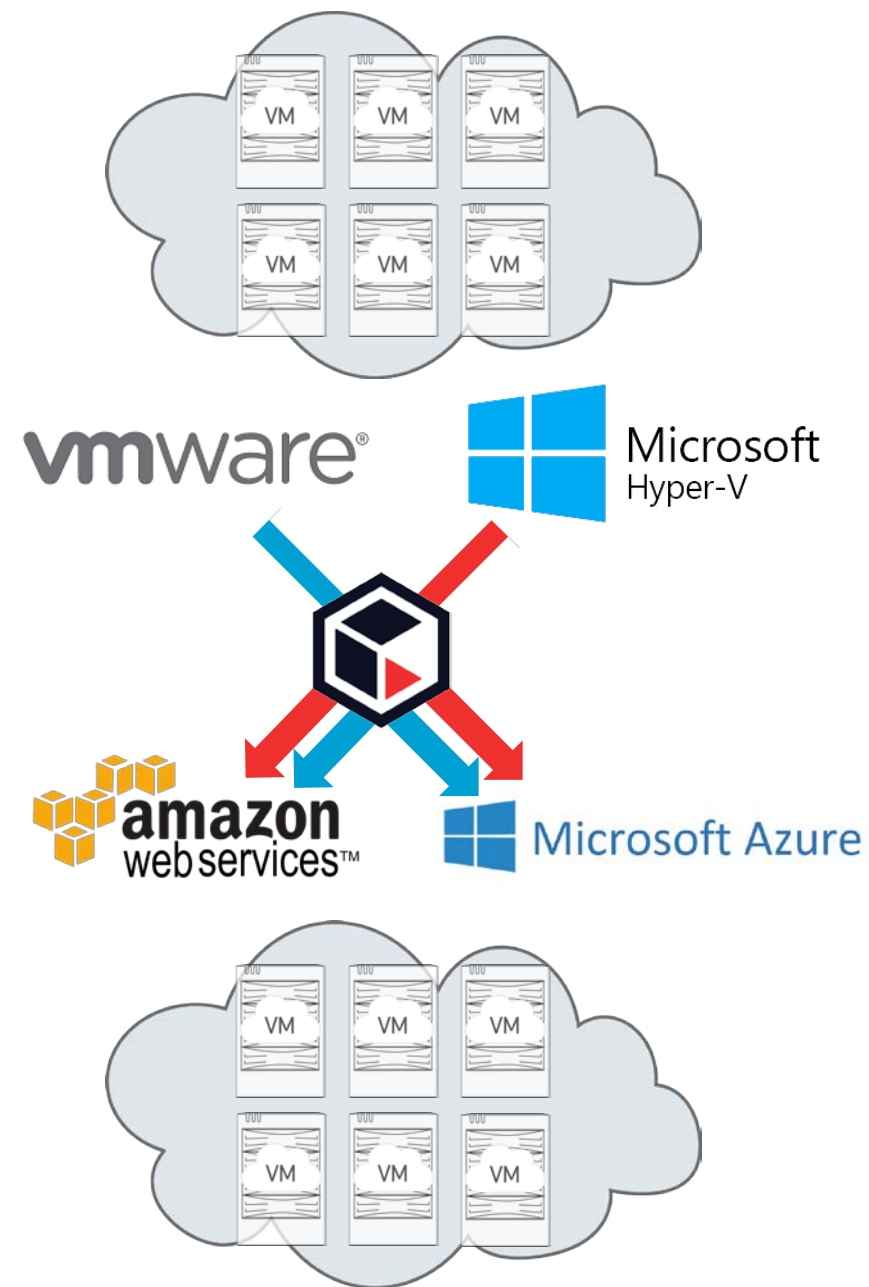
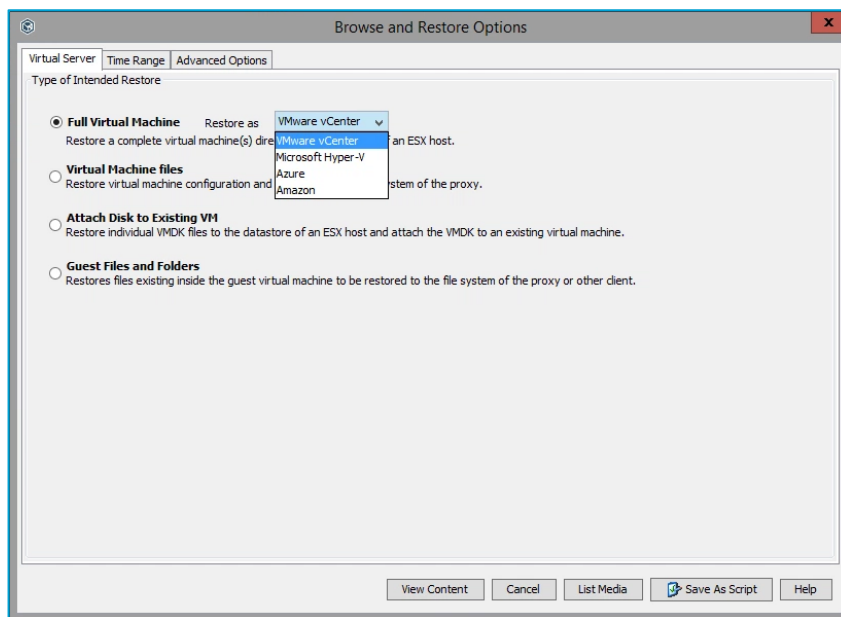
- Protecting workloads in the cloud and moving to an alternative location

Test/Dev in the cloud

- Development in private/public cloud

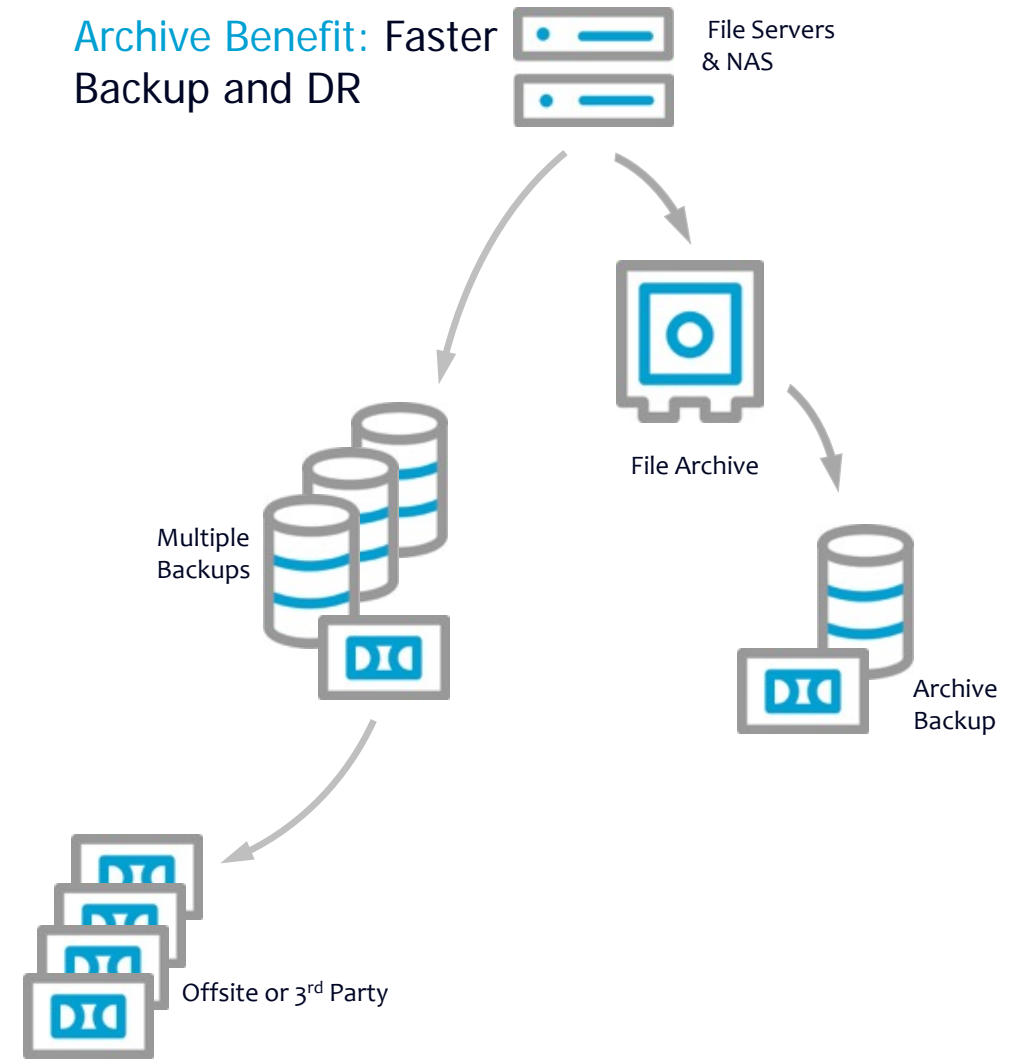
VSA FOR AMAZON AND AZURE

- Cross Hypervisor restore Option
- Restore VMware or Hyper-V VMs as a new VM in Amazon EC2 or Microsoft Azure
- Use cases: Migration, DR, Test/Dev



▶ Backup and Archive Confusion

- Many organisations use archive tools for space management, but still retain backup copies for many years as 'archives'
- Archives require backup, which often creates a 'silo inside a silo'
- Tape is still the most used medium for long term storage



A 2016 Gartner straw-poll at a European event revealed that only 4% used the cloud instead of tape for long term retention

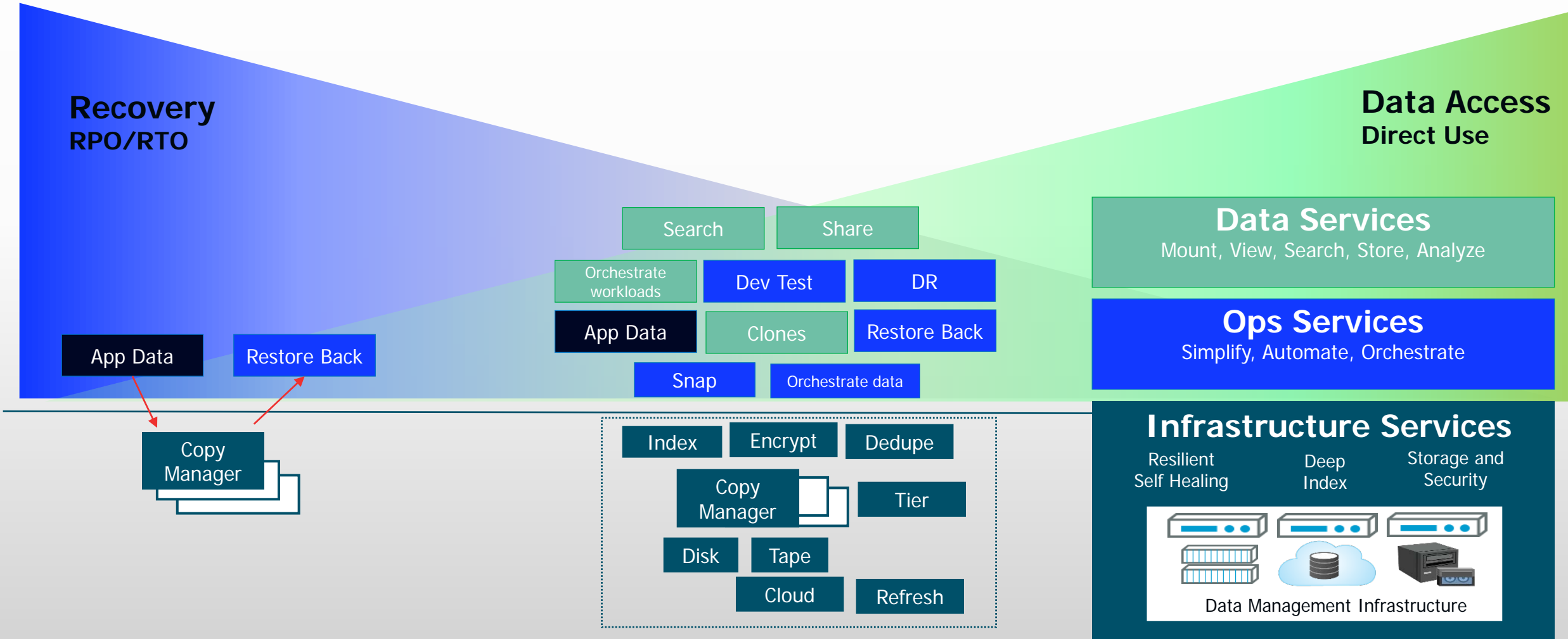


▶ Data Management starts with...

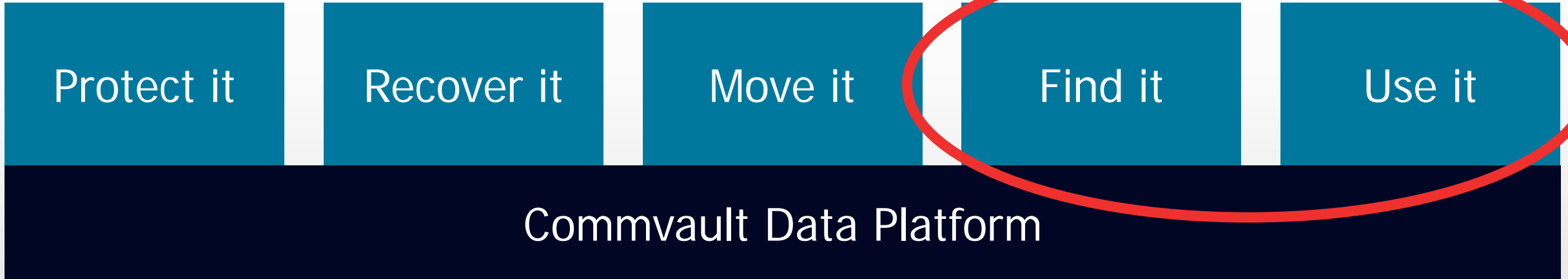


▶ Evolution of Data Management

Innovations to drive low RPO/RTO



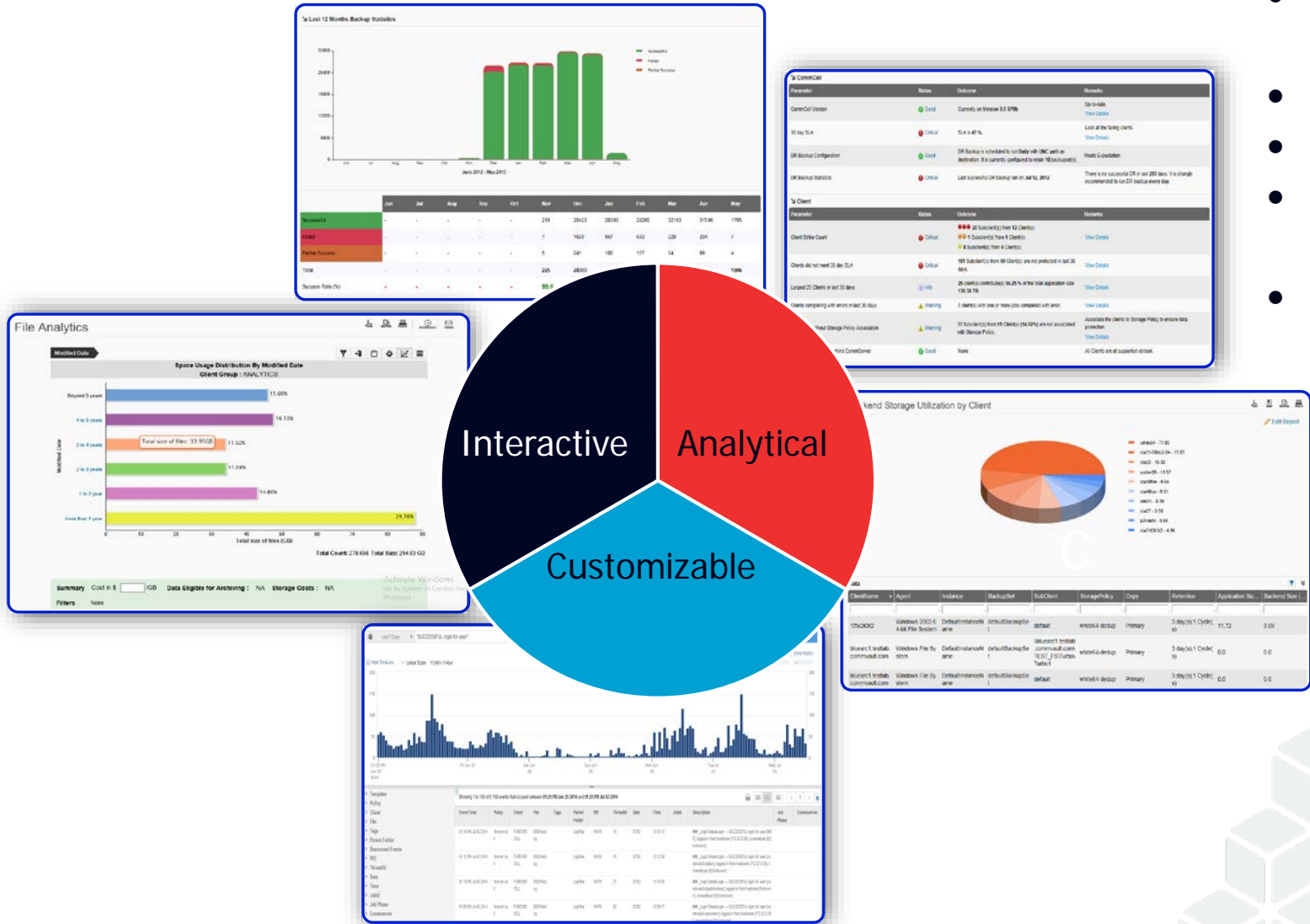
► Some Of This Should Look Familiar



Metrics, Analytics and Custom Reports

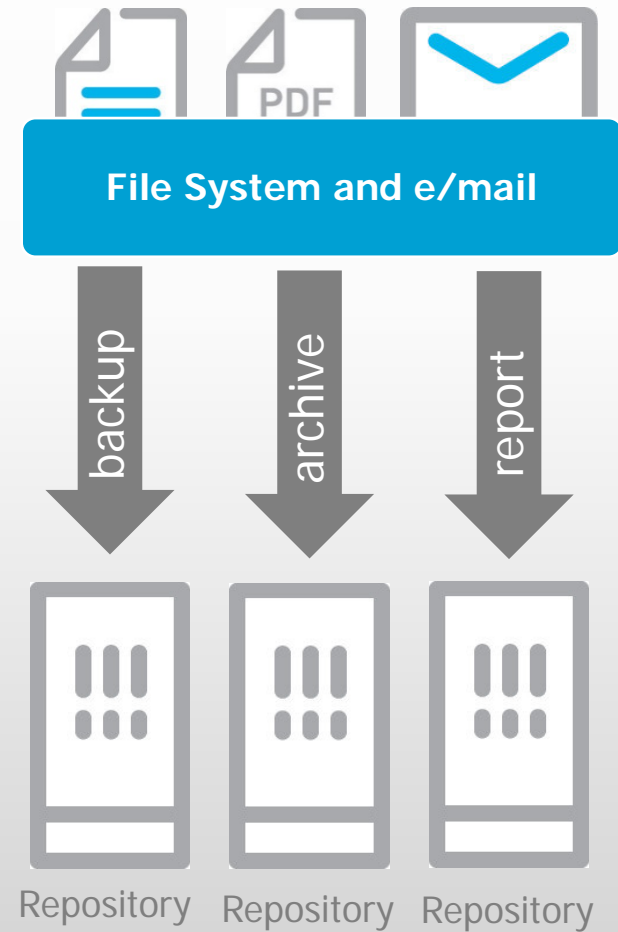
- SLA
- Monitoring and alerts
- Data aggregation
- Trending
- Best practice audits
- Health Check Diagnostics

- Ever evolving Market and diverse customer needs– Custom Reports
- Operations enablement – Cloud Accessibility
- Scalable



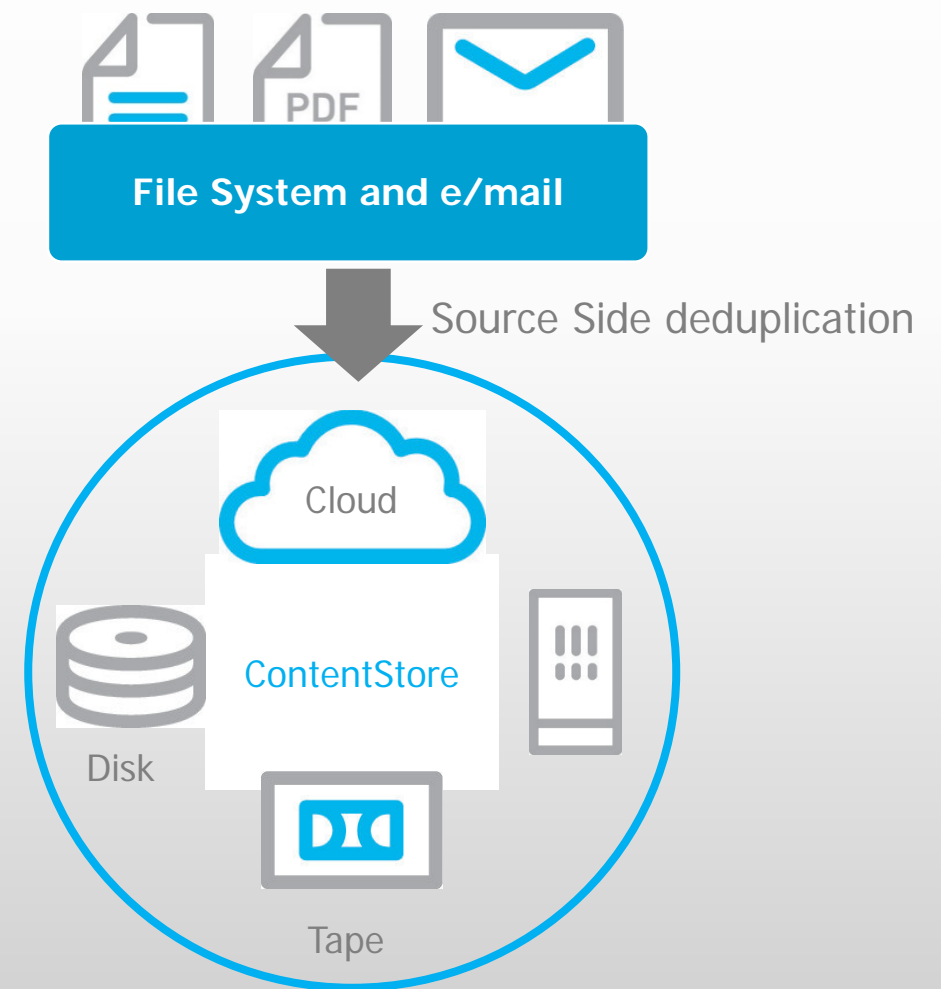
▶ Intelligent, Content-Aware Data Retention

LEGACY AND COMPETITORS



2 x faster backup and archive with 50% the impact

ONEPASS™



▶ Data Types - The Challenges

Structured

Application Data:

- CRM Systems
- ERP Applications
- Financial
- Marketing
- Vertical apps e.g. retail
- SaaS Apps
- RDBMS
- Big Data

Semi-structured

Application Data:

- Email
- Document Management
- App File Stores

Unstructured

Files & Folders:

- NAS
- File Servers
- Cloud Storage
- Laptops
- Mobile Devices
- Personal Clouds

Security, Protection, Availability, Retention, Copy management, Lifecycle, Custody, Access, Audit

Personal Data Can Be Anywhere

Solutions for application data needs



Copy Management

- Automate data portability to speed development processes
- Refresh copies of production data without impacting production working cycles
- Ensure complete process integration and reporting



Rapid Application Recovery

- Enable application/database —availability
- Speed DR with integrated infrastructure options and application integration
- Avoid complex scripting with graphical workflows and self-service interfaces tailored to the DBA



Application migration and lifecycle

- Help manage applications in migration projects to new infrastructures (O365 – ex)
- Index, search and restore application objects from any location (on premise, in the cloud, long-term archive, etc.)
- Provide secure access after applications have been retired

Customer Challenge

- Customers need non-production copies of production databases
- Copies need space, time and labor
- 60% of data is in non-production copies

How Can We Help?

Database Cloning

- Fast, automated database copies using IntelliSnap



Instant App Recovery

- Quickly automate database copies from deduplicated storage



Workflow

- Integrate with business processes



Solutions for application data needs



Copy Management

- Automate data portability to speed development processes
- Refresh copies of production data without impacting production working cycles
- Ensure complete process integration and reporting



Rapid Application Recovery

- Enable application/database —availability
- Speed DR with integrated infrastructure options and application integration
- Avoid complex scripting with graphical workflows and self-service interfaces tailored to the DBA



Application migration and lifecycle

- Help manage applications in migration projects to new infrastructures (O365 – ex)
- Index, search and restore application objects from any location (on premise, in the cloud, long-term archive, etc.)
- Provide secure access after applications have been retired

How We Address Key Challenges

- Consistency
 - Simple recovery
 - Resource impact
 - Performance
 - Variety
 - Complexity
- Mature app integration
 - Deduplication, Compression, Synthetic Full, IntelliSnap, BLB
 - Deep portfolio of supported applications and arrays
 - Coordination, Workflow
 - Cloud integration

Solutions for application data needs



Copy Management

- Automate data portability to speed development processes
- Refresh copies of production data without impacting production working cycles
- Ensure complete process integration and reporting



Rapid Application Recovery

- Enable application/database —availability
- Speed DR with integrated infrastructure options and application integration
- Avoid complex scripting with graphical workflows and self-service interfaces tailored to the DBA



Application migration and lifecycle

- Help manage applications in migration projects to new infrastructures (O365 – ex)
- Index, search and restore application objects from any location (on premise, in the cloud, long-term archive, etc.)
- Provide secure access after applications have been retired

Insight through out the application lifecycle

Retirement and migration of application data to another repository

Identify

- What legacy data needs to be retired?
- What are the retention requirements?
- What databases are being utilized to store the data?

Collect

- Collect structured and unstructured data
- Native DB files
- Connected, supported emails or files

Index

- Index content
- Stored in application independent format
- Federated search across related application content

Manage

- Retain and classify
- Long-term retention
- Lifecycle management

Access

- Search and use
- Retrieve
- Compliance and end-user search



▶ Thank you.

COMMVAULT® 

COMMVAULT.COM | [888.746.3849](tel:888.746.3849) | GET-INFO@COMMVAULT.COM

© 2016 COMMVAULT SYSTEMS, INC. ALL RIGHTS RESERVED.