



Technical Session III: Leverage Your Data to Achieve Your Organization's Mission

March 15, 2018 | 2 – 2:30 p.m.
#PSVisionDay2018

Produced By:



Featured Speakers:



Greg Carter
Solutions Architect,
Veritas



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Senior Manager,
Systems Engineering,
Veritas

Flex Appliance

NetBackup Appliances

Foundation Suite

Central Service

NetBackup

Command Central

Availability

ServPoint NAS/SAN

OpsCenter

NetBackup Self Service

Cluster Server

HyperScale for OpenStack

HyperScale for Containers

Resiliency Platform

VERITAS

Command Central Storage

Desktop Laptop Option

Information Map

Backup Exec

Access

InfoScale

Volume Manager

File

NBU PROFESSIONAL

System

Enterprise Clearwell

Vault

.Cloud

PureDisk

Data Insight

Storage Foundation

CloudPoint

eDiscovery Platform

SanPoint Control

VERITAS

The Leading Multi-Cloud Data Management Company

#1
MARKET
LEADERSHIP

Top 20

ENTERPRISE
SOFTWARE COMPANY
BY REVENUE

Gartner

LEADERSHIP QUADRANT
'EXECUTES WELL TODAY,
WELL POSITIONED FOR
TOMORROW'



10+

INDUSTRY AWARDS
AND RECOGNITIONS
LAST 12 MONTHS



LOYAL
CUSTOMERS

> 86%

FORTUNE 500
RELY ON VERITAS

50,000+

ENTERPRISE
CUSTOMERS

93%

RENEWAL RATE
AVERAGE CUSTOMER
> 8 YRS

>20,000

PARTNERS
>700 MANAGED
GLOBAL DISTRIBUTORS



TRUST &
INNOVATION

500+

PATENTS GRANTED IN
BACKUP AND RECOVERY
61 PATENTS FILED
LAST 12 MONTHS

32

MAJOR RELEASES
TO EXISTING PORTFOLIO
FASTEST GROWING
APPLIANCES

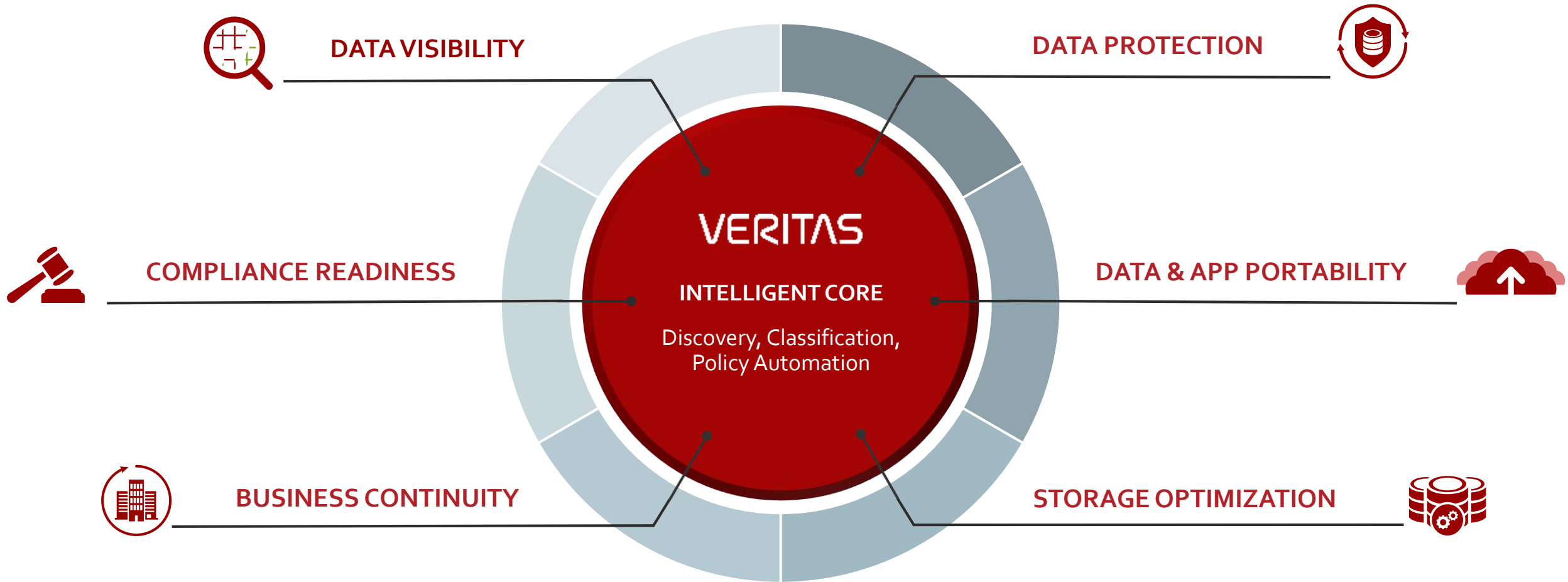
5

KEY
NEW PRODUCT
LAUNCHES

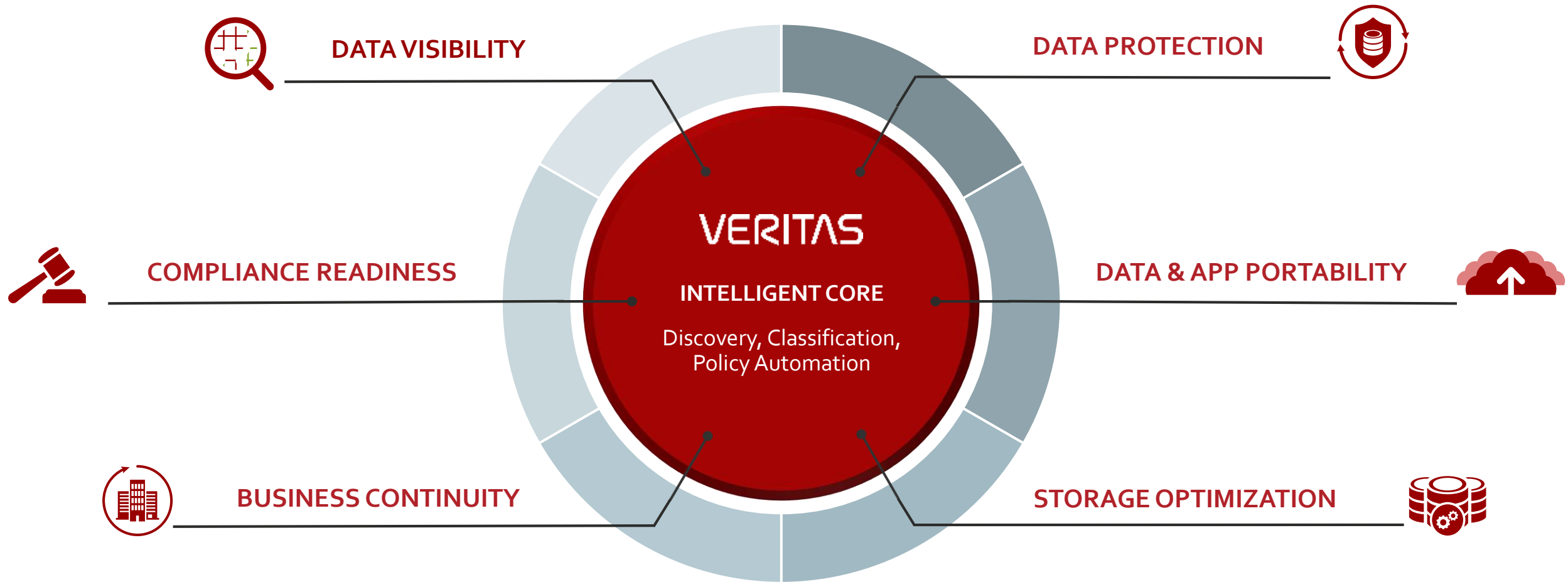
Cloud



Veritas' Unique Approach: 360 Data Management



360 Data Management: Focus Areas for This Session





Data Protection



Business Continuity



Global Visibility
Veritas | Information Map



Scale Out NAS
Veritas | Access



Instant Access
Veritas | Velocity



Orchestrate Recovery
Veritas | Resiliency Platform



Next Generation Workloads
Veritas | **HyperScale**



Integrated Appliance
Veritas | NetBackup



Cloud Migration
Veritas | CloudMobility



Cloud Snapshots
Veritas | CloudPoint



NetBackup
Data protection and
recovery foundation

Multi-Cloud Ready



VRP Predictable Integrated Resilience

Unified Orchestration, Automation & Resiliency



Situation: Disaster Recovery Situation At Financial Institution

Before Veritas Resiliency Platform

CXO 0300 hours	Tornado. Disaster declared. Failover all critical apps to target site.
Ops Center	Dependency on technology teams. Can only monitor the progress.
DB Admin	Unable to log in due to connectivity issues.
Backup Admin	Cannot be reached.
Server Admin	Logs in to re-start middleware. Waiting for DB online status.
N/W Admin	Waiting for app tiers to come online to redirect N/W traffic.

TOTAL TIME TO RECOVER: ~ **3 HOURS**

Situation: Disaster Recovery Situation At Financial Institution

Before Veritas Resiliency Platform

CXO 0300 hours	Tornado. Disaster declared. Failover all critical apps to target site.
Ops Center	Dependency on technology teams. Can only monitor the progress.
DB Admin	Unable to log in to target site from home. One hour drive to target site.
Backup Admin	Cannot be reached.
Server Admin	Logs in to target site to re-start middleware. Waiting for DB online status.
N/W Admin	Waiting for app tiers to come online to redirect N/W traffic.

After Veritas Resiliency Platform

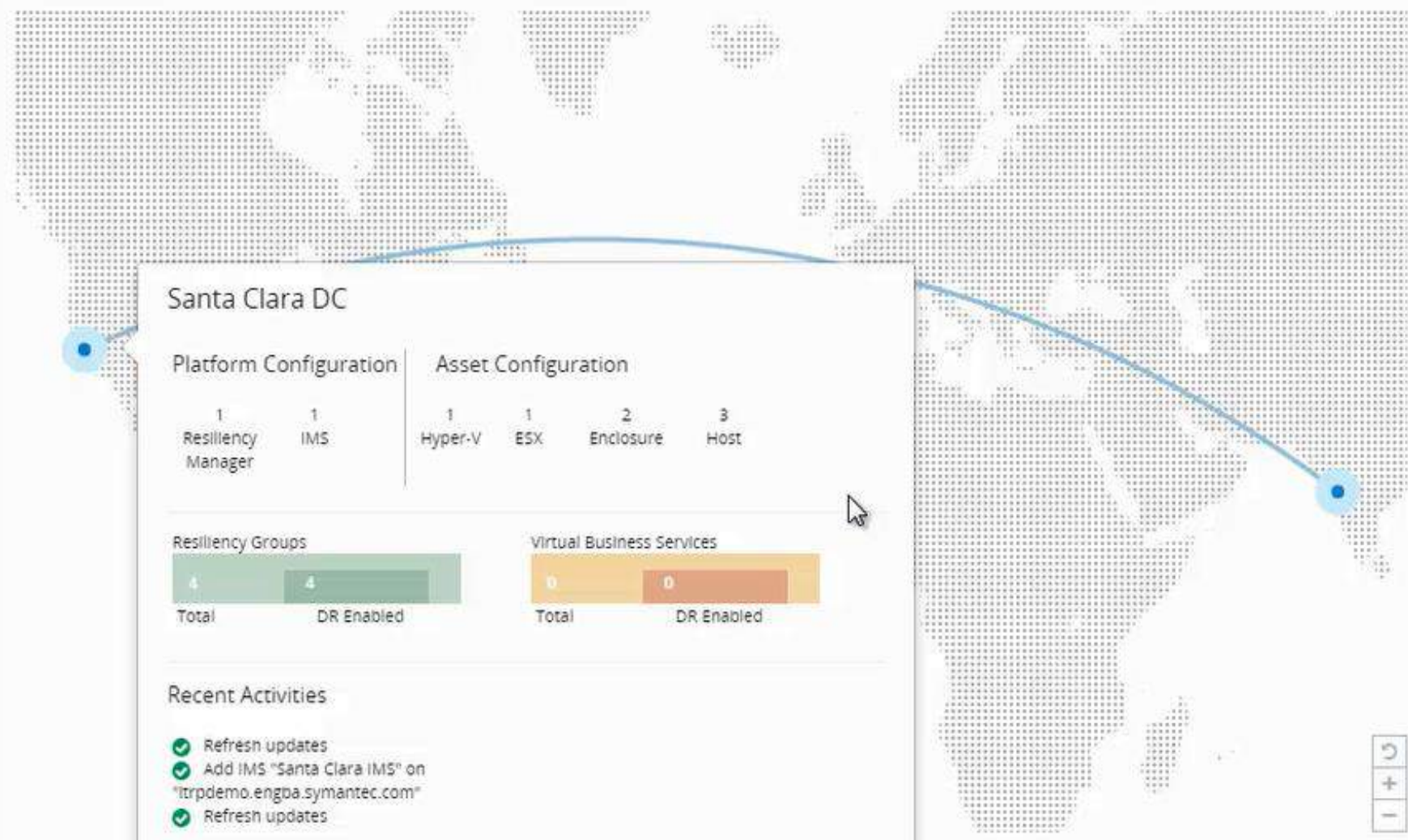
CXO 0300 hours	Tornado. Disaster declared. Failover all critical apps to AWS or target site.
Operations Center 0315 hours	Logs in to Resiliency Platform Dashboard. Executes 1-click Resiliency Plan.

Benefits

- ✓ Single-click recovery to cloud or on premises
- ✓ Manual reliance brought down to just 1 person
- ✓ No hand offs between teams required



Global View



Santa Clara DC

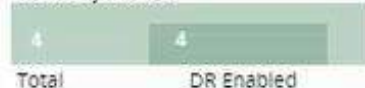
Platform Configuration

1 Resiliency Manager
1 IMS

Asset Configuration

1 Hyper-V 1 ESX 2 Enclosure 3 Host

Resiliency Groups



Virtual Business Services



Recent Activities

- ✔ Refresh updates
- ✔ Add IMS "Santa Clara IMS" on "itrpdemo.engba.symantec.com"
- ✔ Refresh updates

Connected Data Centers



[Less](#)

Resiliency Groups

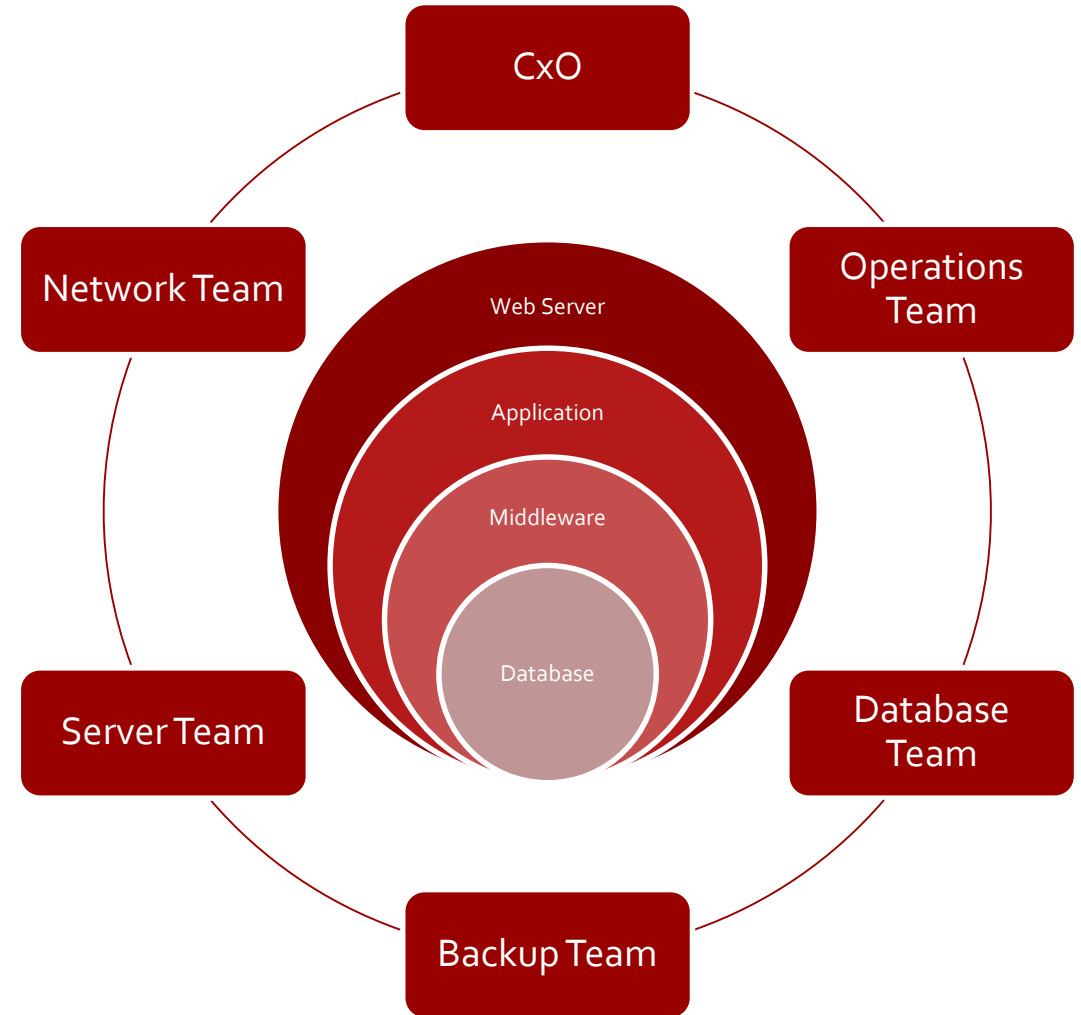
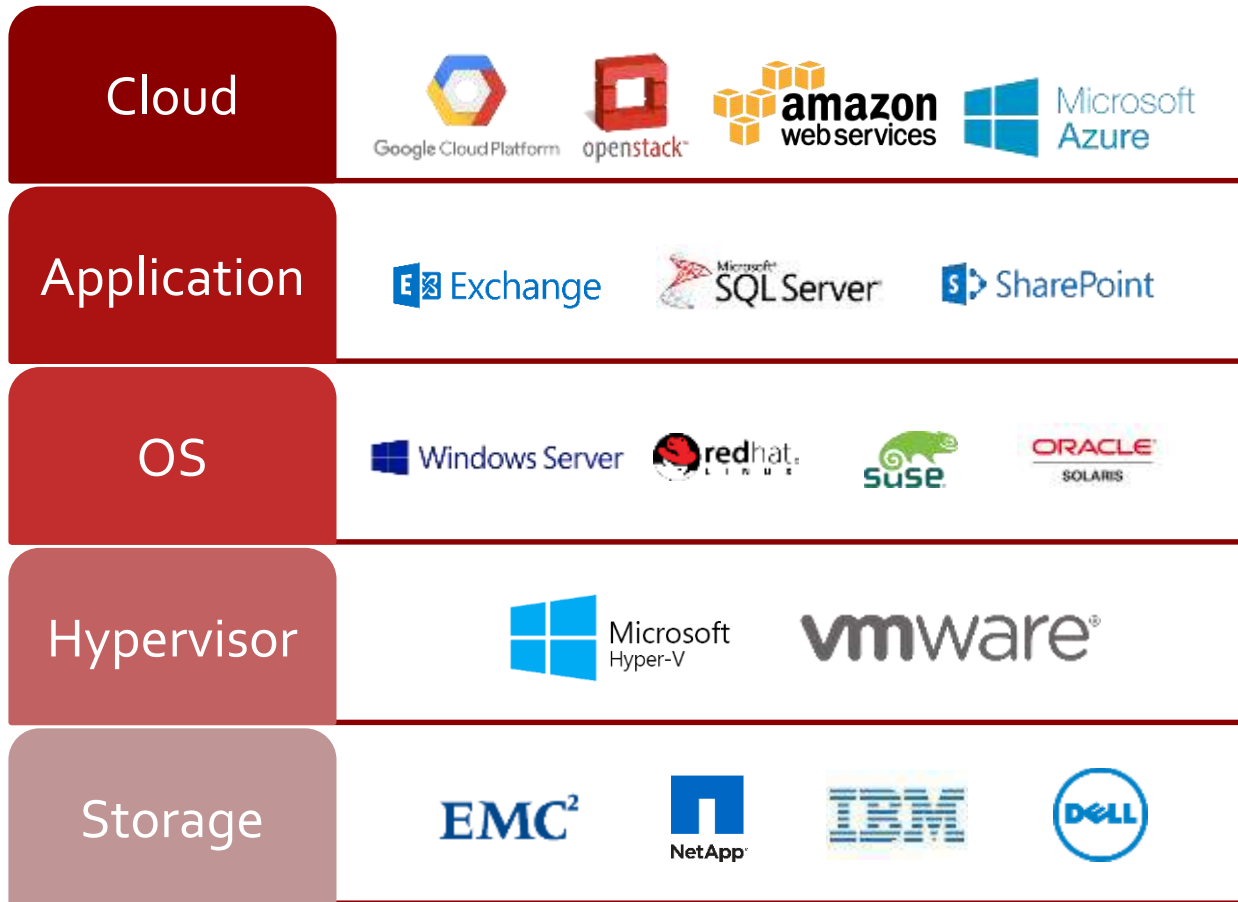
6	0	6
Total	At Risk	Normal
5	0	5
DR Enabled	At Risk	Normal

Virtual Business Services

1	0	1
Total	At Risk	Normal
0	0	0
DR Enabled	At Risk	Normal

Orchestration & Automation Challenges

What Does It Take To **Maintain**, **Migrate** & **Recover** Complex Business Applications?



Eliminating Complexity with a Scalable and Agile Integrated Solution

Veritas Appliances



Veritas Appliances



Scale with Data Growth



Enhance Resiliency and Performance



Deliver Converged Solutions for Complex Data Management Problems

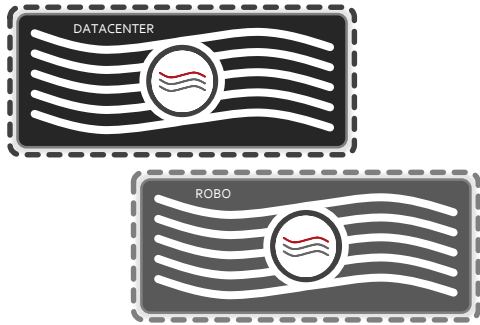


Deliver Operational Efficiency & Insight

Veritas Appliances Product Strategy

High-level comparison of Veritas Appliance solutions

NetBackup Virtual Appliance

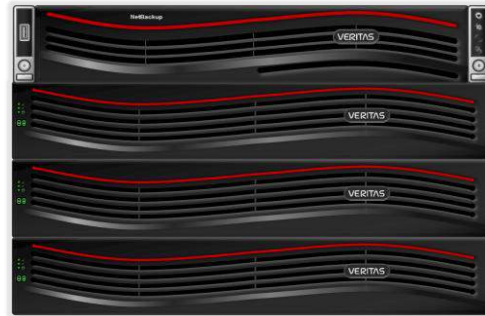


- ✓ Deployment simplicity
- ✓ Minimize CapEx investment
- ✓ Designed for VMware infrastructures

POSITIONING SUMMARY:

Data protection in fully virtual deployments

NetBackup 5240 Appliance



- ✓ Master and/or Media Server
- ✓ 321TB maximum storage
- ✓ Enterprise hardware platform

POSITIONING SUMMARY:

Predictable high performance data protection for moderate workloads

NetBackup 5340 Appliance

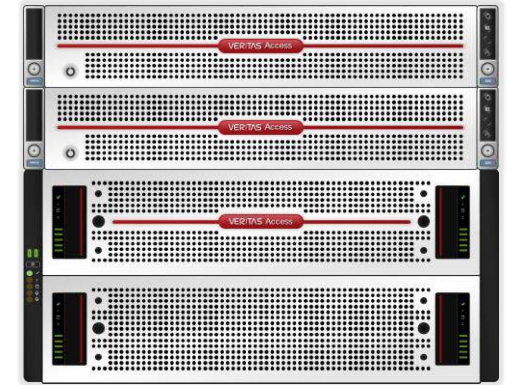


- ✓ Dedicated Media Server
- ✓ 1920TB maximum storage
- ✓ Enterprise hardware platform

POSITIONING SUMMARY:

Predictable highest performance data protection for enterprise workloads

Access 3340 Appliance



- ✓ Long-term data retention
- ✓ 2,544TB maximum storage

POSITIONING SUMMARY:

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

Restore Resiliency Group

Resiliency Group : Billing App1

Select target datacenter : New York DC

Select the type of image to be used

Latest Time range

Date : February 14, 2017

Time : 12 : 00 AM

Range : 24 Hours

Search

Confirm outage of assets for resiliency group Billing App1 on City of London DC

⚠ If virtual machines are already online then it will not be overwritten by restore

Showing images between Feb 13, 2017 12:00:25 AM and Feb 15, 2017 12:00:25 AM

Name	Image Information	NetBackup Master	Target ESX Server	Target Datastore
Linux-SYS3	Feb 14, 2017 10:54:02 AM	s2master.samgwin.local	192.168.10.211	Datastore1



Data Visibility

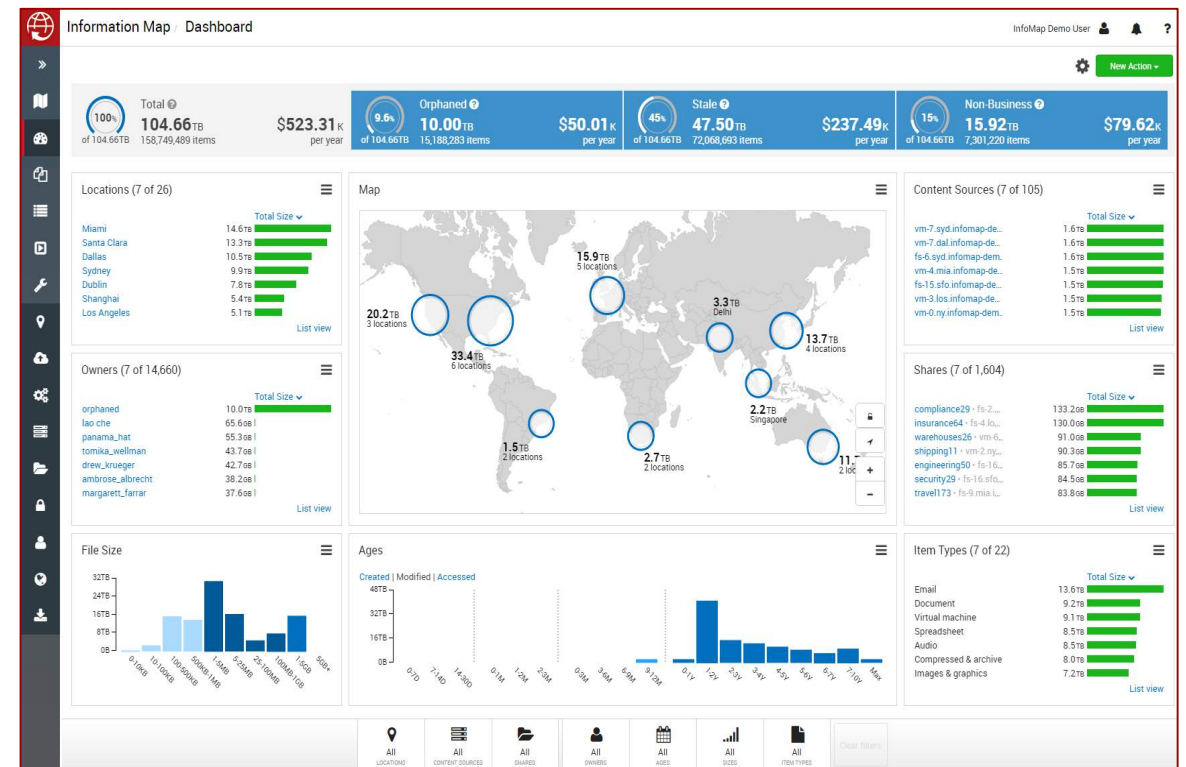
Visualize Your Data

NetBackup & InfoMap

Information Map unleashes your NBU data to transform your most critical data into visible, actionable intelligence, enabling data decisions that improve operational efficiency, reduce risk and lower IT spend

Information Map enables you to:

- Visualize your data, identifying opportunities to optimise information storage and reduce information risk in 24 hours.
- Take direct action to clean your information house, retaining valuable and regulated data, and expiring the rest confidently.
- Assume control over your data through automatic policy enforcement and based on the inherent value to the business

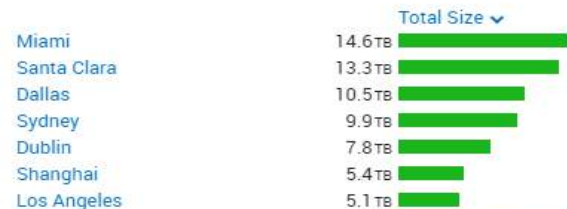




[New Action](#)



Locations (7 of 26)



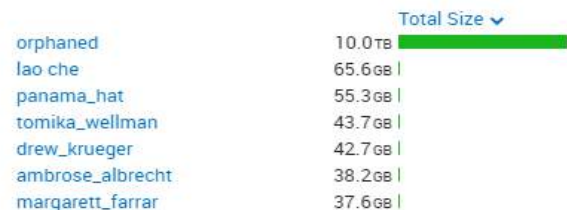
Map



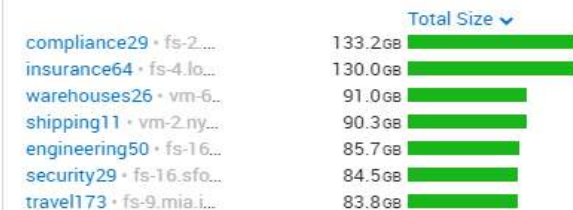
Content Sources (7 of 105)



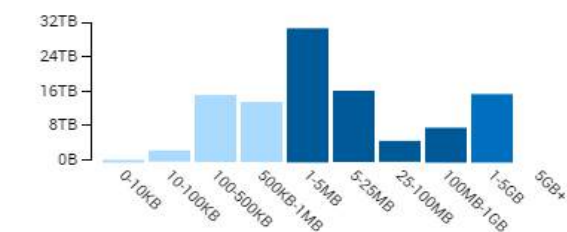
Owners (7 of 14,660)



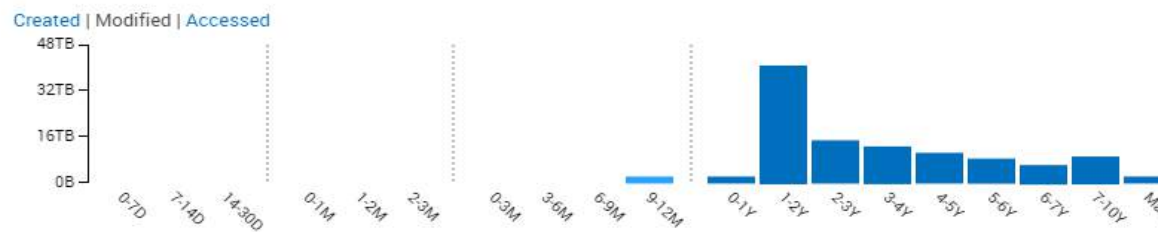
Shares (7 of 1,604)



File Size



Ages



Item Types (7 of 22)

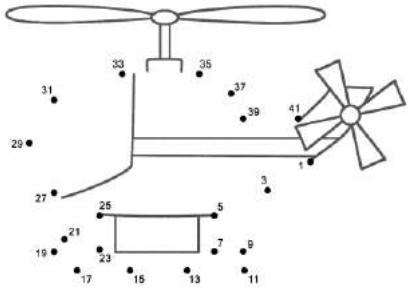


What Are The Information Map Use Cases?

Align backup policies to data types

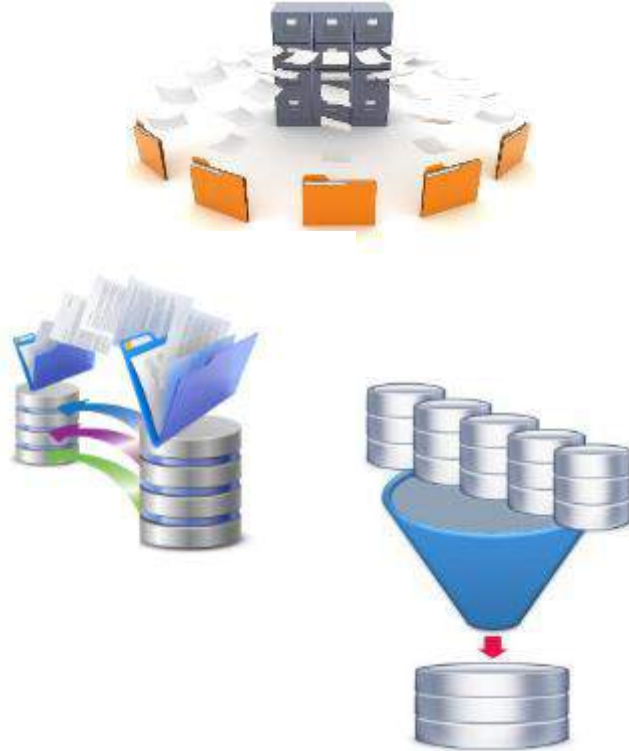


CONNECT THE DOTS

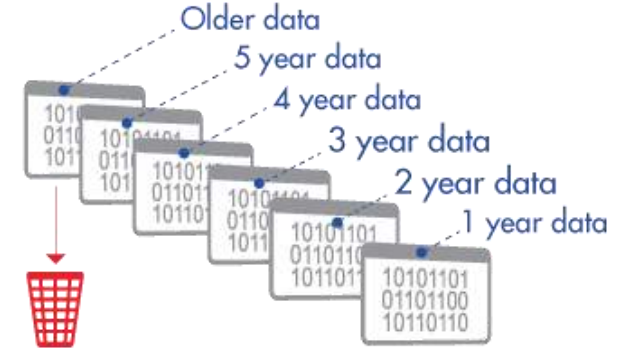


- What **can** I get rid of?
- What **should** I get rid of?
- What can I **archive**?
- What **policy** should it be under?
- Where should I **look**?
- What is being **used**?
- What is **valuable**?

Identify information to be migrated, archived, or deleted



Records management & compliance





[New Action](#)

Total

0.1% of 64.36TB

2.10GB
22,249 items

\$10
per year

Orphaned

4.1% of 2.10GB

89.02MB
6,783 items

\$1
per year

Stale

80% of 2.10GB

1.69GB
16,877 items

\$8
per year

Non-Business

0% of 2.10GB

0B
0 items

\$0
per year

Copy selected rows to clipboard

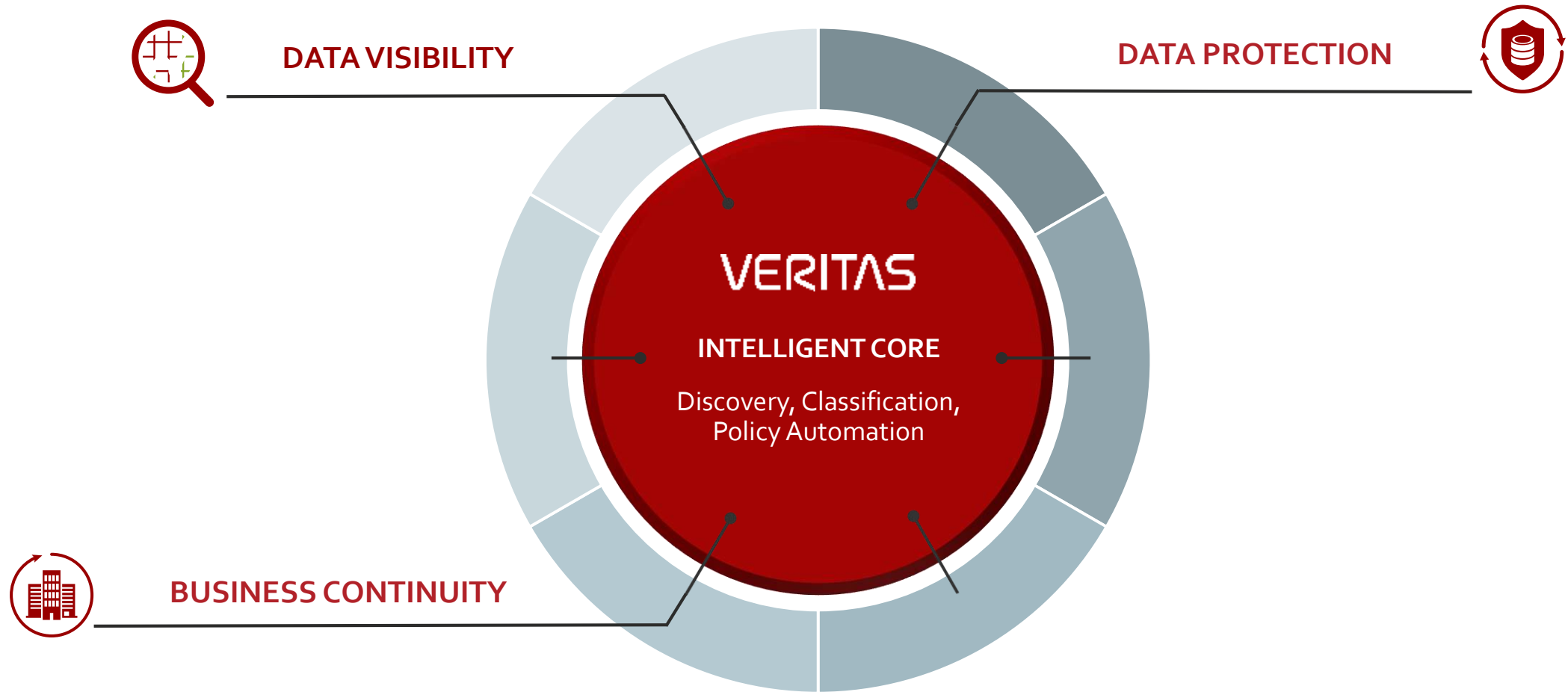
This is only a subset of items that meet your filter criteria. Item sample size 100

<input type="checkbox"/> Path ^	Name	Extension	Size	Last Modified	Content Source	Data Store	Location
<input type="checkbox"/> /limit/compliance55/de.../allow_thoughtfully.oni	allow_thoughtfully.oni	oni	27.8KB	Mar 28, 2011 9:20:52 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/de..._disappointingly.thorny	answer_disappointingly.thorny	thorny	529.8KB	Oct 28, 2015 8:59:24 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/d.../base_reweighed.thoric	base_reweighed.thoric	thoric	543.2KB	Oct 28, 2015 8:59:24 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/deficit/fail_garlic.oni	fail_garlic.oni	oni	48.0KB	Apr 4, 2011 9:18:08 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/d...ntain_eyewitnesses.oni	maintain_eyewitnesses.oni	oni	10.3KB	Mar 21, 2011 9:18:50 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/...tter_newspaper1.thort	matter_newspaper1.thort	thort	527.2KB	Oct 28, 2015 8:59:25 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/de.../reflect_riposte2.thort	reflect_riposte2.thort	thort	532.8KB	Oct 28, 2015 8:59:25 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/e.../drop_dissenter1.locky	drop_dissenter1.locky	locky	1.9MB	Dec 8, 2014 8:02:19 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/e.../invest_purpose2.locky	invest_purpose2.locky	locky	1.9MB	Dec 8, 2014 8:02:19 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/...ast_enumerator3.locky	last_enumerator3.locky	locky	2.1MB	Dec 8, 2014 8:02:19 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/o...end_exhibitionism1.oni	depend_exhibitionism1.oni	oni	32.2KB	Mar 17, 2011 9:21:31 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /limit/compliance55/o.../avoid_revelatory2.oni	avoid_revelatory2.oni	oni	29.3KB	Mar 17, 2011 9:21:31 AM	vm-3.dal.infomap-demo.com	File Server	Dallas
<input type="checkbox"/> /particle/transport154/Apr/like_neutral2.enigma	like_neutral2.enigma	enigma	33.0KB	Oct 19, 2009 3:03:10 AM	vm-3.dal.infomap-demo.com	File Server	Dallas

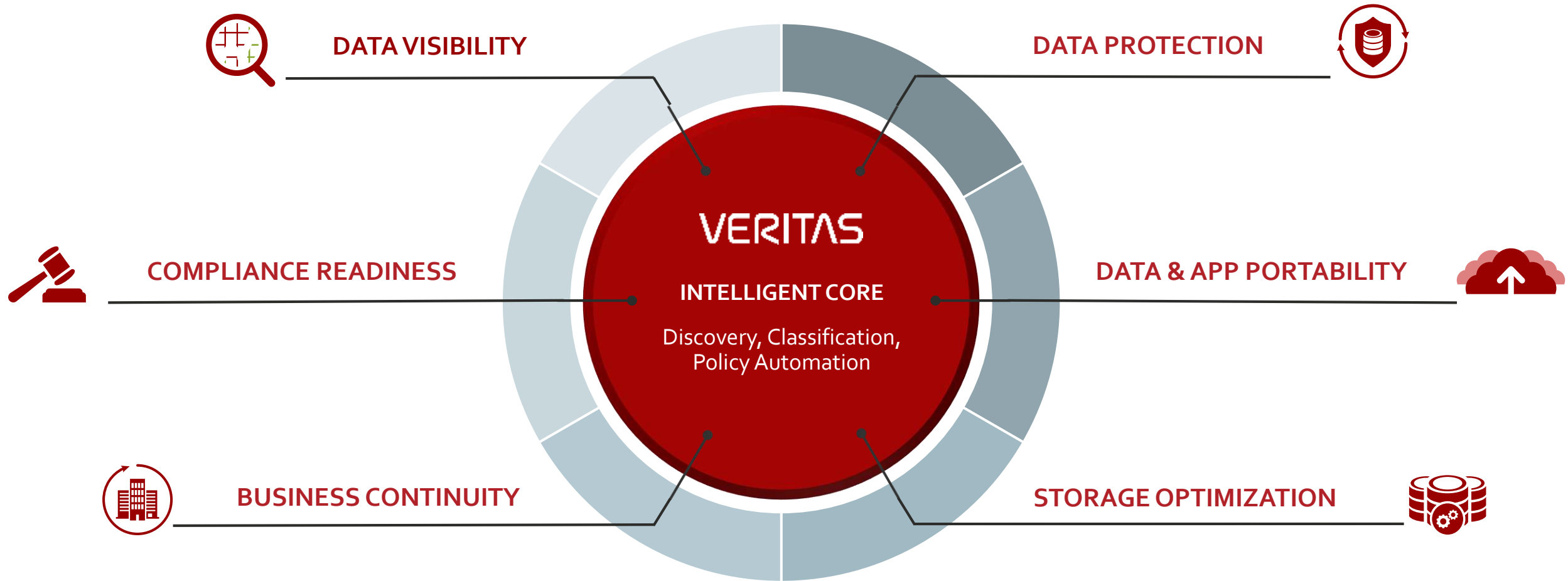
Showing 100 items

Dallas LOCATIONS
 All CONTENT SOURCES
 All SHARE
 All DATA STORES
 All OWNERS
 All AGES
 All SIZES
 Ransomware ITEM TYPES
 All ITEM EXTENSIONS
Clear filters

360 Data Management: Focus Areas for This Session



360 Data Management: [For More Information](#)



Q & A

Thank you!

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