

Availability Protection and Insights

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Technology Solutions Manager



Agenda

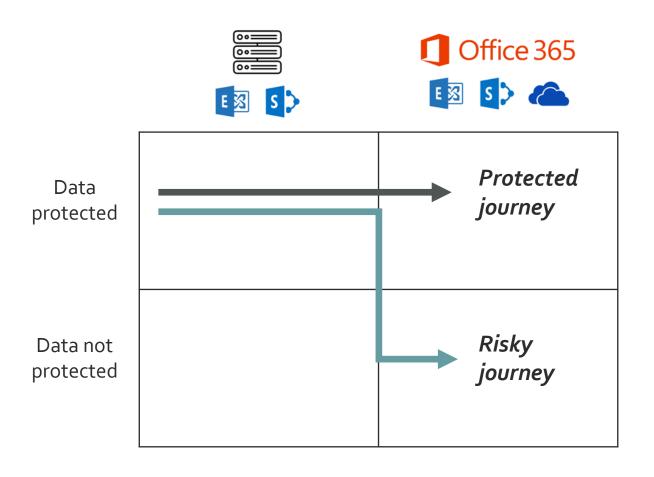
- SaaS Backup for O365
- Purpose Build Backup Appliance
- Business Continuity with Resiliency Platform
- IT Analytics with Chargeback and Capacity Planning



Office 365 Backup



2 types of data protection journeys are happening with the move to Office 365



Why are customers taking a risky journey with Office 365?

- Belief that data protection is included
- 2. Belief that native data protection capabilities are good enough

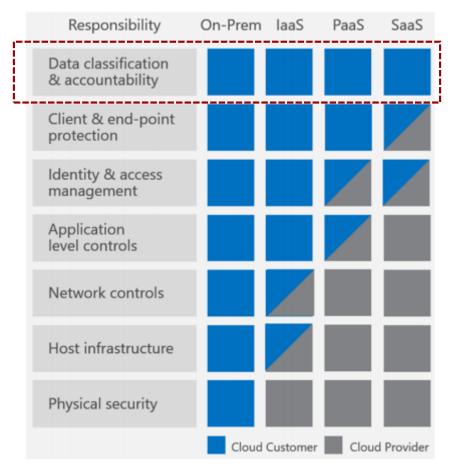


Microsoft states YOU are responsible for your data

Section 1d of the Microsoft Online Subscription Agreement

You are solely responsible for the content of all Customer Data...Microsoft does not and will not assume any obligations with respect to Customer Data...

Source: https://portal.office.com/Commerce/Mosa.aspx



Source: https://blogs.msdn.microsoft.com/azuresecurity/2016/04/18/what-does-shared-responsibility-in-the-cloud-mean/



Office 365 native data protection is limited and relying on it comes with risk

Doesn't make a second copy

- Doesn't achieve 3-2-1 backup strategy
- Doesn't protect from ransomware

Doesn't keep deleted data for long

- 14 days retention default for Exchange
- 93 days retention default for OneDrive and SharePoint
- Possibility of permanently deleted data earlier than default periods

Litigation Hold is not a practical backup

- Designed to preserve data for eDisc purposes
- 20 minute complicated process to restore files
- Creates liabilities and increases costs

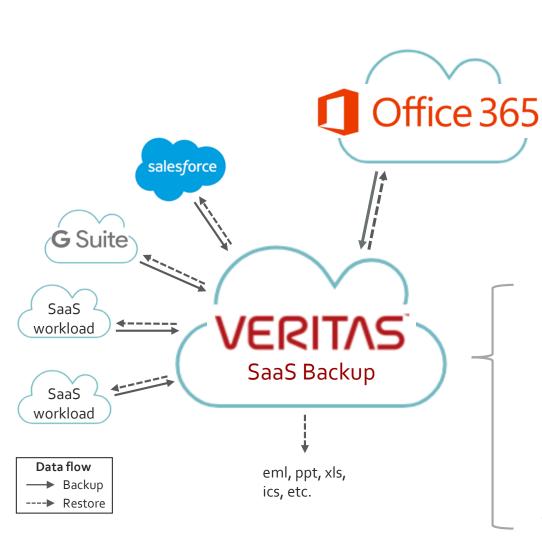
4 Restores are limited

- No point-in-time restores for Exchange
- Only up to 30 days and no granular recovery for for OneDrive/SharePoint
- Difficult to find deleted data in site collection recycle bin





VERITASComprehensive Office 365 data protection and more SaaS Backup



Exchange Online: Email, Calendar, Contacts, Tasks, Notes, Inplace archive, Public Folder

OneDrive for Business: Full account, Folders, Files

SharePoint Online: Site Collections, Subsites, Lists, Folders, Files, Permissions, Columns, Content Types, Document Libraries

Groups & Teams: Conversations, Calendar, Files, Notebook, Planner, Modern Team Sites, Channels (wiki and chat)

Comprehensive, quick and simple backup

Setup: 2 minute setup, 3 step process

Backup: Automatic backups, up to 6 times a day

Restore: Multiple restore options, seconds to restore

Other features: nothing to install/deploy, automatic upgrades, role-based access control, set retention according to retention policy, email alerts



SaaS Backup offerings

Hosted service
No hardware purchase required or software to install

Unlimited Storage Save on storage costs

Unlimited retention
Retain data beyond SaaS vendor data retention limits

Per user, subscription based Aligns to SaaS application vendors



Office 365 Backup

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

G Suite

G-Suite Backup

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



Salesforce Backup

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



Purpose Build Backup Appliance



Veritas NetBackup Appliances Customer and Analyst Validation



Gartner

14x

MQ Leader

30,000+

Customers



#1

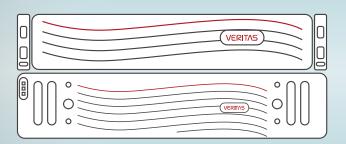
Market Share

The Value of Veritas Appliances: Optimized Integration

NetBackup Appliance Software Stack

Optimized
Hardware
Infrastructure





NetBackup Integrated Appliances

NetBackup Appliances

Veritas Flex Appliances

Veritas Flex Appliances

Veritas Plex Appliances

Veritas Plex Appliances

NetBackup Virtual Appliances

NetBackup Virtual Appliances

NetBackup Virtual Appliances

Consolidate at the core and protect at the edge

Optimized performance, fully featured NetBackup

Veritas Plex Appliance ease of use for virtual environments

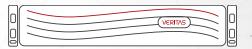
Cost effective, scalable long term retention



Protection for the Small and Medium Enterprise

- Cost Effective Integrated NetBackup Solutions
- Multiple capacity and performance options for diverse use cases

NetBackup 5240 Appliance



Scalable usable capacity from 27 to 294 TB

Throughput for multiple demanding workloads

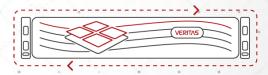
Flex 5150 Appliance



Up to 14TBs

Compact 1U form-factor

NetBackup Virtual Appliances



Scalable capacity to 250TB

Versatile configuration options

Enterprise Data Protection at the Edge

- Complete Integrated NetBackup System
- Efficiently replicate to the Central Data
 Center and the Cloud
- Easily support with limited IT resources

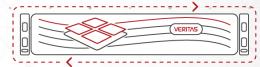
Flex 5150 Appliance



Cost Effective, Compact 1U form-factor

Easy deployment and upgrades with Flex Platform

NetBackup Virtual Appliance for Remote Office



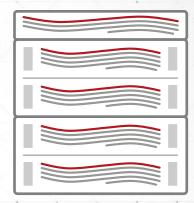
Leverage existing virtual environments

Quickly download and deploy in remote locations

Long-Term Retention

- Complete Integrated NetBackup System
- Efficiently replicate to the Central Data
 Center and the Cloud
- Easily support with limited IT resources

Access 3340 Appliance



Near-primary storage performance at the cost of tape and cloud

Complete integration with NetBackup for ease of use storage efficiency

Reduce RPO/RTO

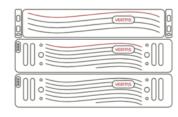


Access 3340 Long-term retention, tap replacement and backup archiving.



Veritas Flex 5150 Enterprise protection for the edge'

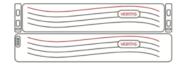
Veritas



NetBackup 5340 Veritas Flex 5340

High-performance protection for enterprise workloads. Large capacity, high throughput and high availability.



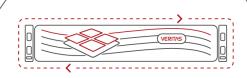


NetBackup 5240 Protection for small or medium workloads.



NetBackup Cloud Catalyst

Efficiently move NetBackup deduped data into/out of public and private clouds.

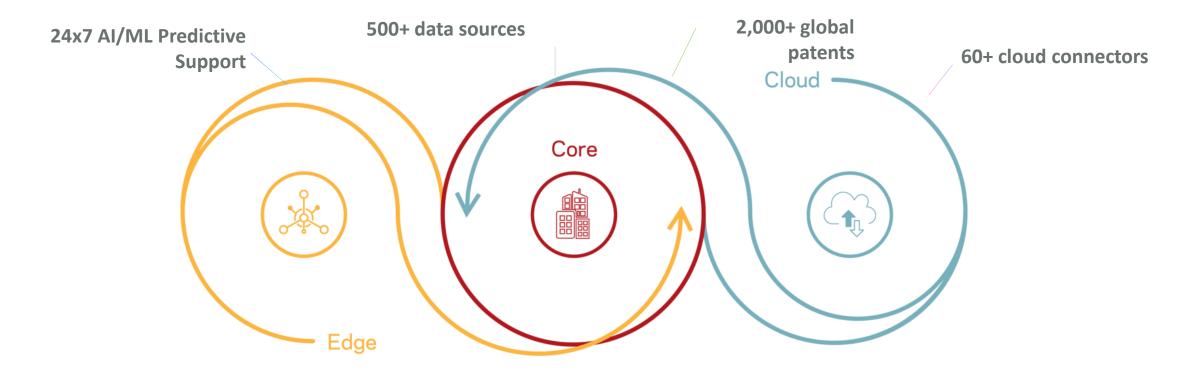


NetBackup Virtual Appliances

Protection for remote offices and the virtualized enterprise.



NetBackup Appliances



Gartner 14x MQ Leader

Recognized Leadership























































































































Veritas Resiliency Platform

Business Continuity with Resiliency Platform



Veritas Resiliency Platform

What Makes Us Different



Centralized management console

Built-in task automation & orchestration

Get business back online fast

Business-level reporting

Built-in encryption and deduplication



Why choose Veritas Resiliency Platform



PREDICTABILITY: Meet ALL Recovery Time Objectives (RTOs) and Recovery Point Objectives (RPOs)



COMPLIANCE: Be compliant to business continuity mandates with audit reports and non-disruptive recovery rehearsals



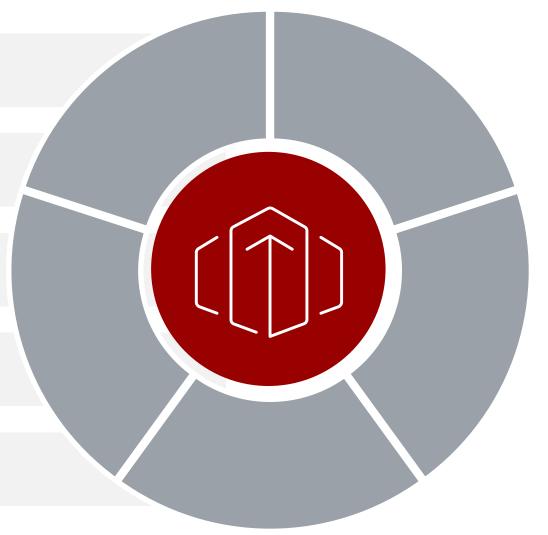
AUTOMATION: Automate recovery run books, and start, stop recovery orchestration for multi-tier applications



FLEXIBILITY: Easy integration into existing environment and cloud technologies



MOBILITY: Single-click workload mobility without time-consuming data conversions





Threats to IT Resiliency



- Software defect
- User Error
- Data Corruption
- Ransomware
- External (DDoS)
- Internal (Sabotage)



- Compute
- Storage
- Network
- Cloud Platform
- Environmental



- Utilities
- Telecom
- Catastrophic Weather
- Geological Event
- Personnel
- Political Unrest



Challenges to Adopting IT Resiliency

Financial

Heterogeneous Infrastructure

Validation & Compliance



Prioritizing investments in IT and justifying spend

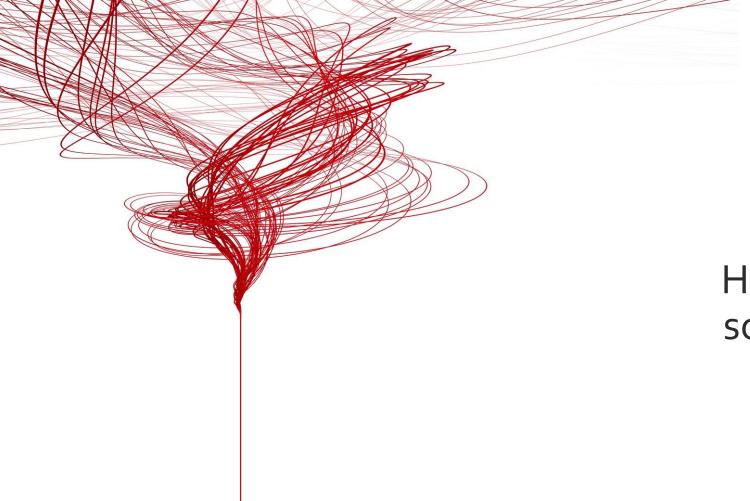


Establishing a unified continuity strategy across disparate technologies & platforms



Ensuring your applications as well as your information are readily available at the time of a disaster

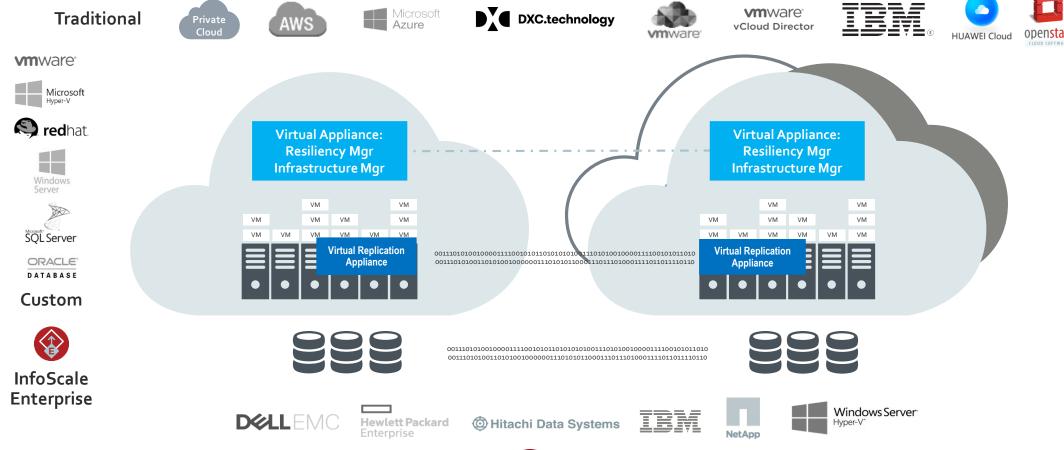




How does Resiliency Platform solve the Business Challenge?



How Does Resiliency Platform Work In Your Environment?

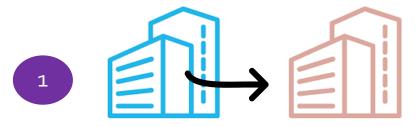






Primary Use Cases

On-premise VMware to On-premise VMware On-premise Hyper-V to On-premise Hyper-V



On-premise VMware to Cloud On-premise Hyper-V to Cloud









Service Providers offering DRaaS



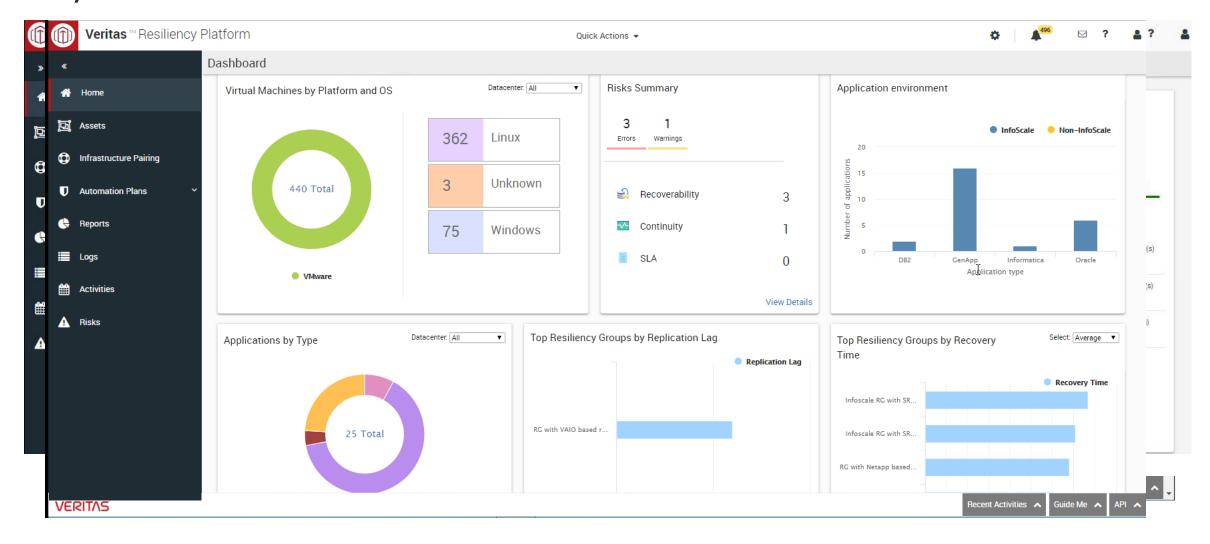






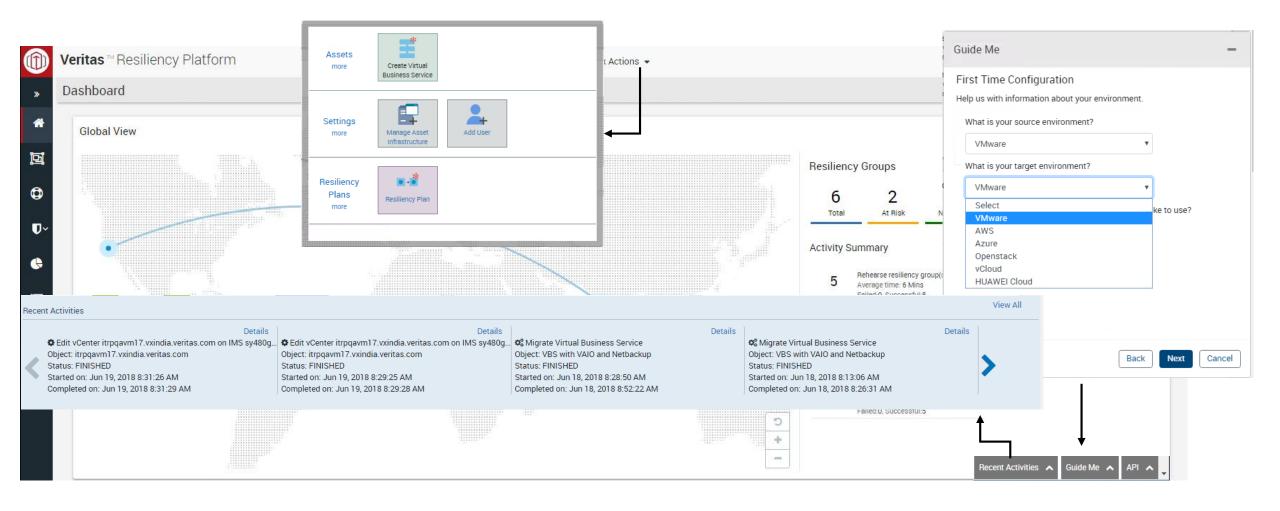


Key Features



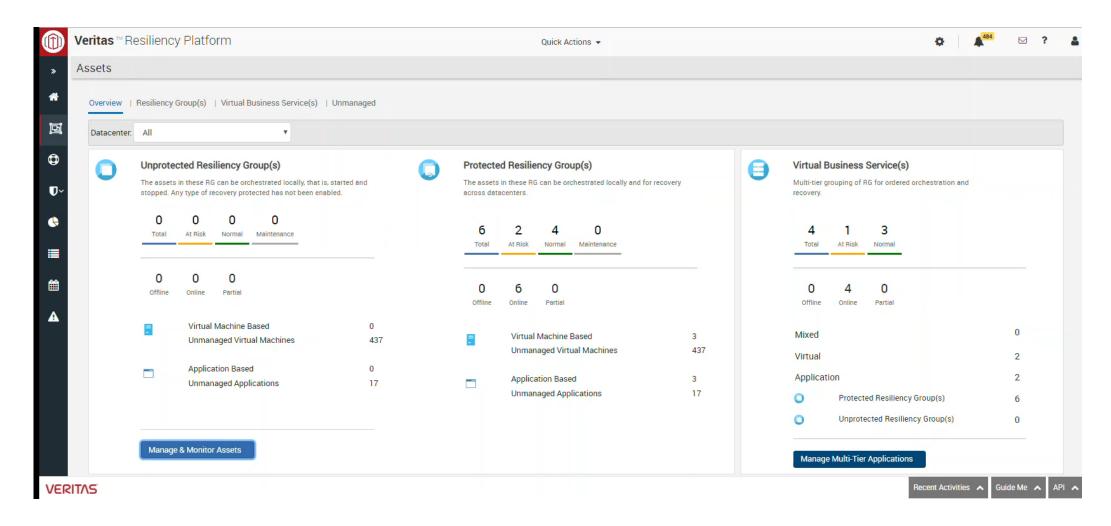


Simplified Configuration & Navigation



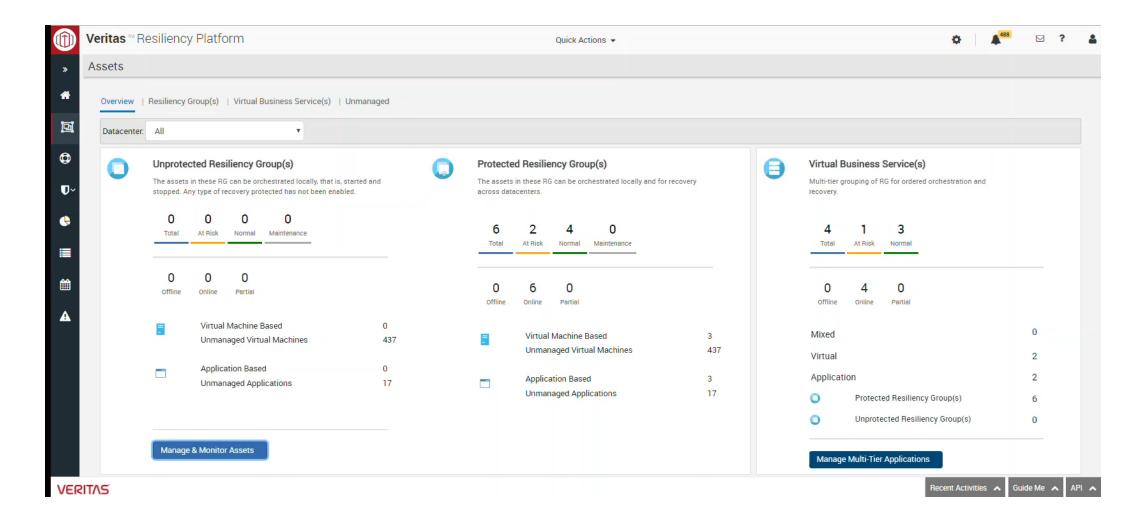


Resiliency Group Creation



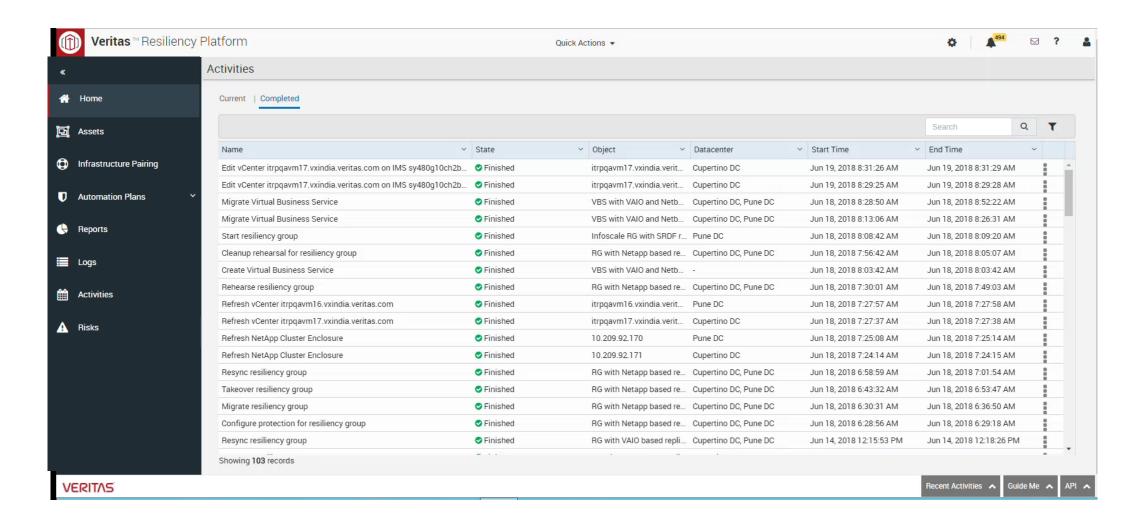


Virtual Business Services



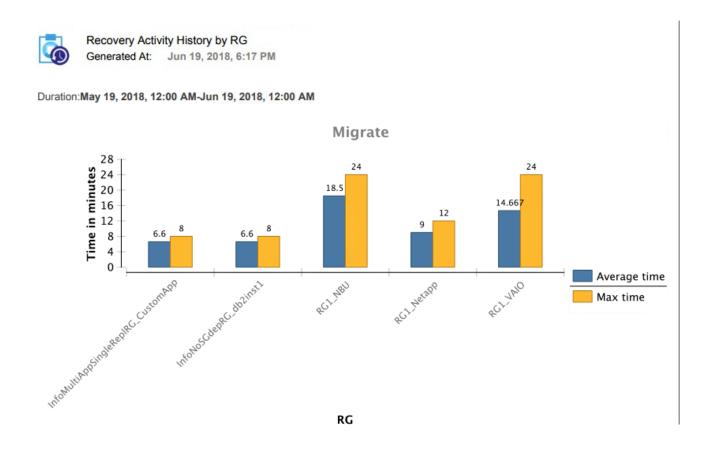


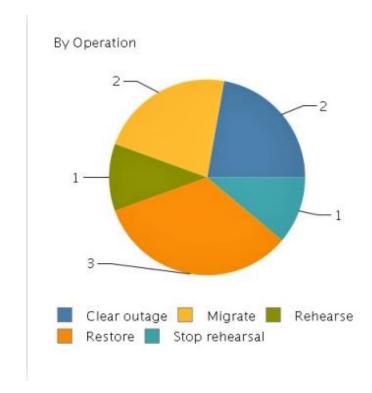
Reports: Activities & Risks





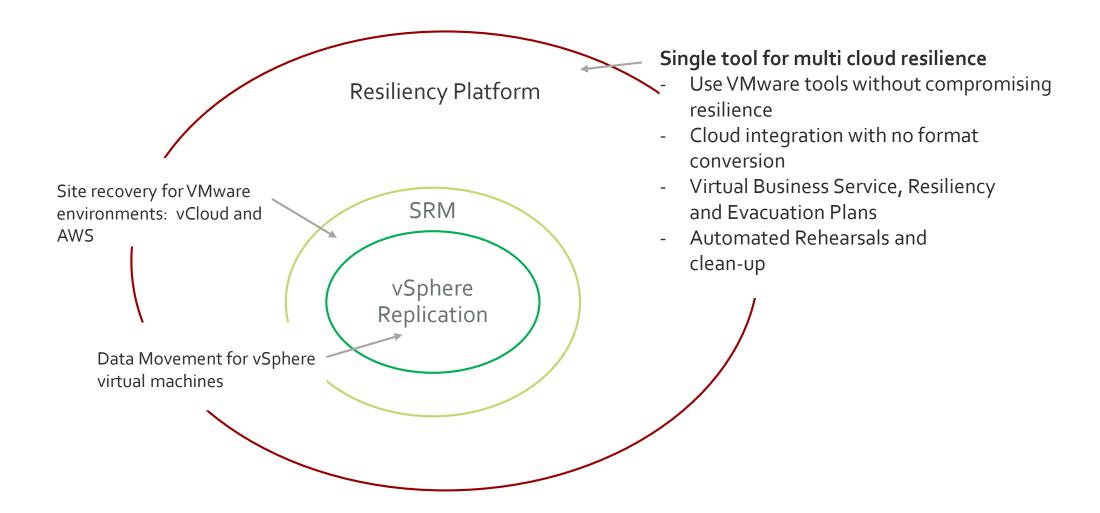
Scheduled Reports







Comprehensive Resilience VMware and Resiliency Platform



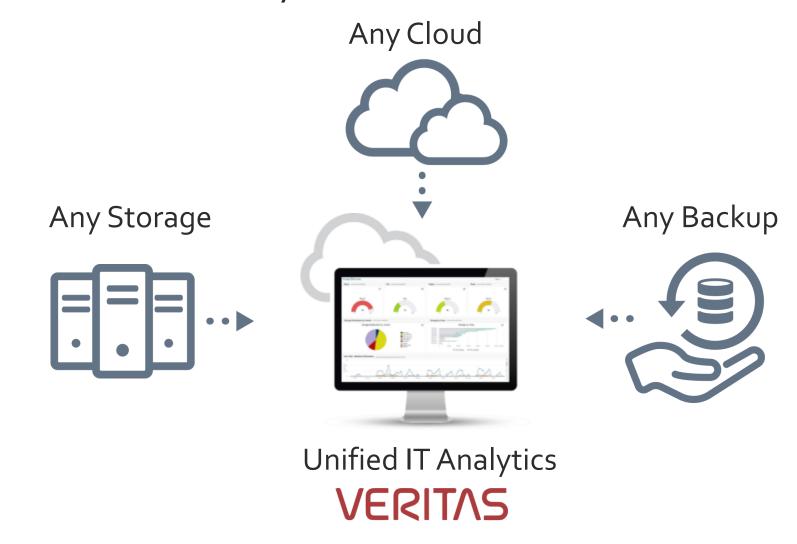


APTARE IT Analytics

IT Analytics with Chargeback and Capacity Planning

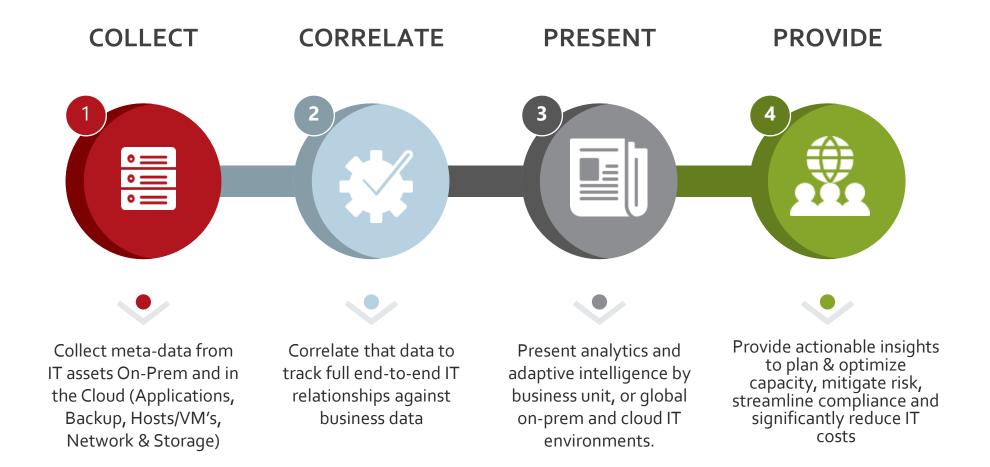


What is APTARE IT Analytics?



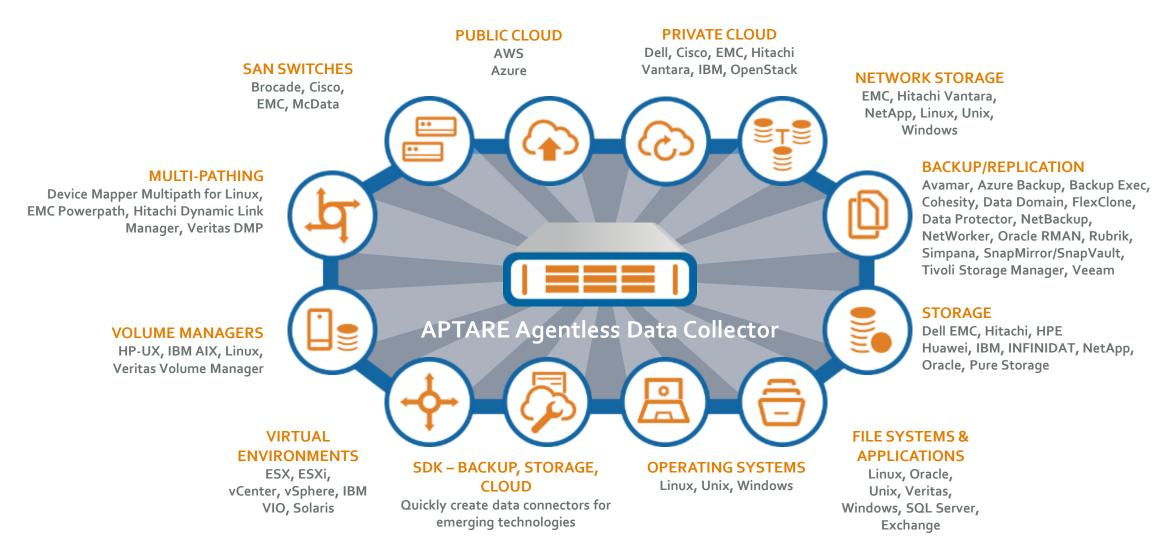


APTARE IT Analytics – How Does It Work?



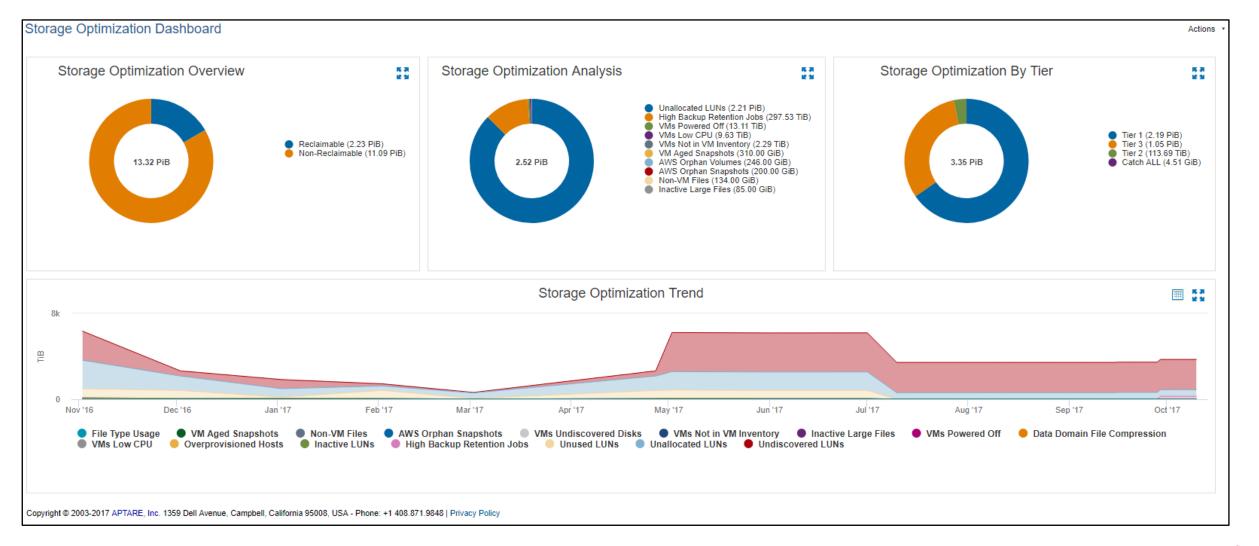


Data Collection: Agent-less



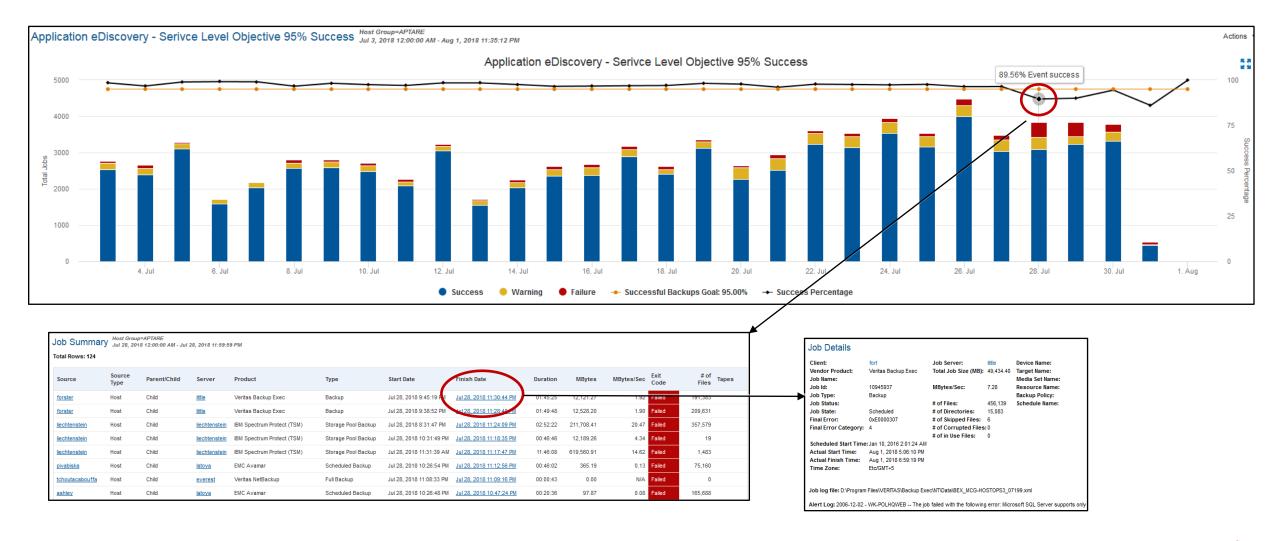


IT Resource Optimization / Reclamation Analytics



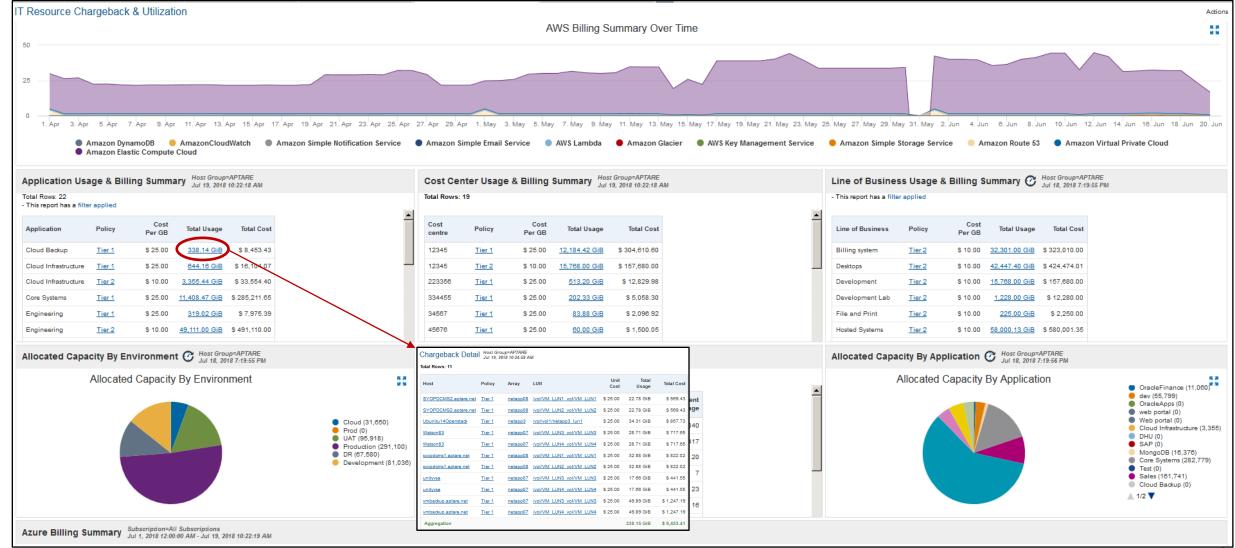


Improve Service Delivery by Monitoring Service Level Objectives



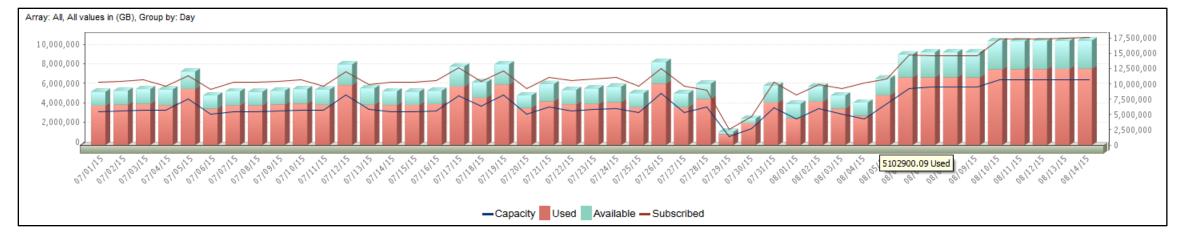


Cost Recovery / Chargeback for IT Resource Consumption



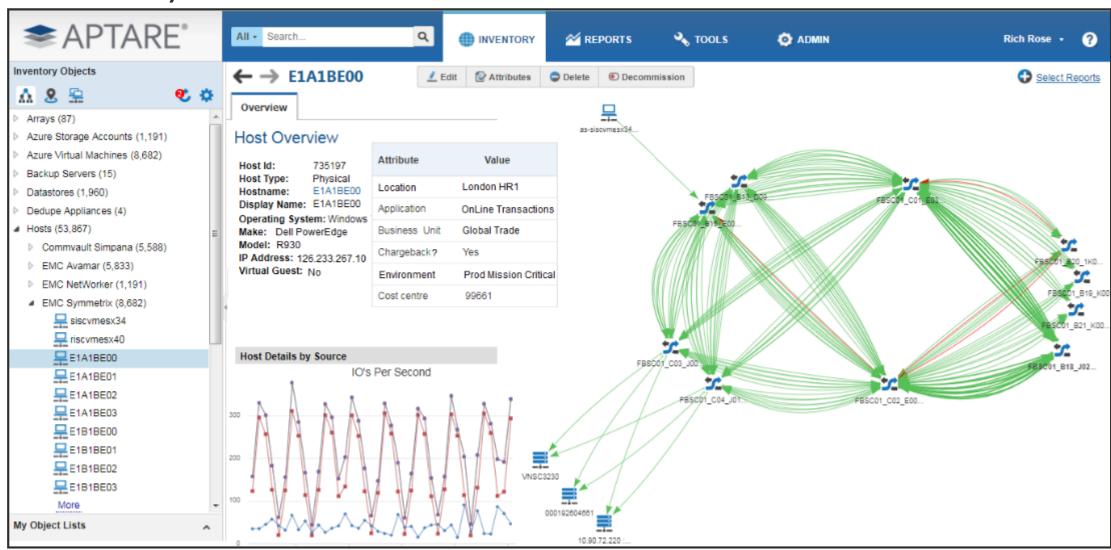
IT Resource Capacity Planning

Multi-vendor Thin Pool Usage Forecast Arrays=All Storage Arrays
Mar 10, 2018 12:00:00 AM - May 8, 2018 8:48:59 PM Actions Total Rows: 10 - This report has a filter applied *All values in (GB), Pool Threshold 50 Over Sub Threshold 50 Change% Available POP Capacity Pool Available History Subscribed First Daily Daily Change% Last Avail Pool Size At Risk? RAID Type Linear Analysis POP Analysis Usage POP Level Available Available Delta% Usage Linear Linear RAID-5(3+1) 128,865.16 49,556.69 \odot -.16% -.16% Decreased 85.051.00 49.558.69 50.906.80 -79.09 -82.62 Will Run Out on 25-Will Run Out on 29 JAN-20 DEC-19 4,120.40 000295700636 Pool_EFD RAID-5(3+1) 4,120.40 4.120.40 4.120.40 4.120.40 .00% .00% Did Not Symmetrix VMAX Capacity not Capacity not Change Changing Changing RAID-5(3+1) 329,409.72 316,233,33 38,491.62 38,987.03 -31.47 -23.68 -.08% -.06% 000295700888 Pool_FC 38,488.28 Will Last Over 3 Will Last Over 3 Symmetrix VMAX Decreased Years 000295700666 Pool EFD RAID-5(3+1) 19,801.68 1,034.45 \odot 1.130.26 1,034.45 1.067.78 -3.02-2.13 -.28% -.20% Decreased Will Run Out on 16-Will Run Out on 06 SEP-19 VMAX 2-Way Mir 659.18 659.18 .00 .00 .00% Did Not 000295700888 Pool_FC_R1 659.18 Capacity not Capacity not Change Changing VN-series Generico_WINDOWS 142,946.64 142,946,64 2,339.98 15.599.85 2.09% 13.96% Capacity is Capacity is Increased 2,547.97 VN-series Generico_WINDOWS 22,439.75 88.65% 19,891.78 2,547.97 142,946.64 140,398.67 70,199.34 193.00% 96.50% Increased Capacity is Capacity is VN-series Generico_UNIX 48,745.12 7,814.23 38,929.89 7,814.23 7,814.23 7,814.23 .00 .00% .00 .00% Did Not VN-series Pool NL RAID6 36,642.42 1,648.21 34,994,21 1,648.21 1.648.21 1.648.21 .00 .00% Did Not Pool CORPBA-MAIL 33.904.09 28.356.28 5,547,81 5.547.81 5,547.81 .00% Did Not VN-series 5.547.81 550.818.83 Aggregation

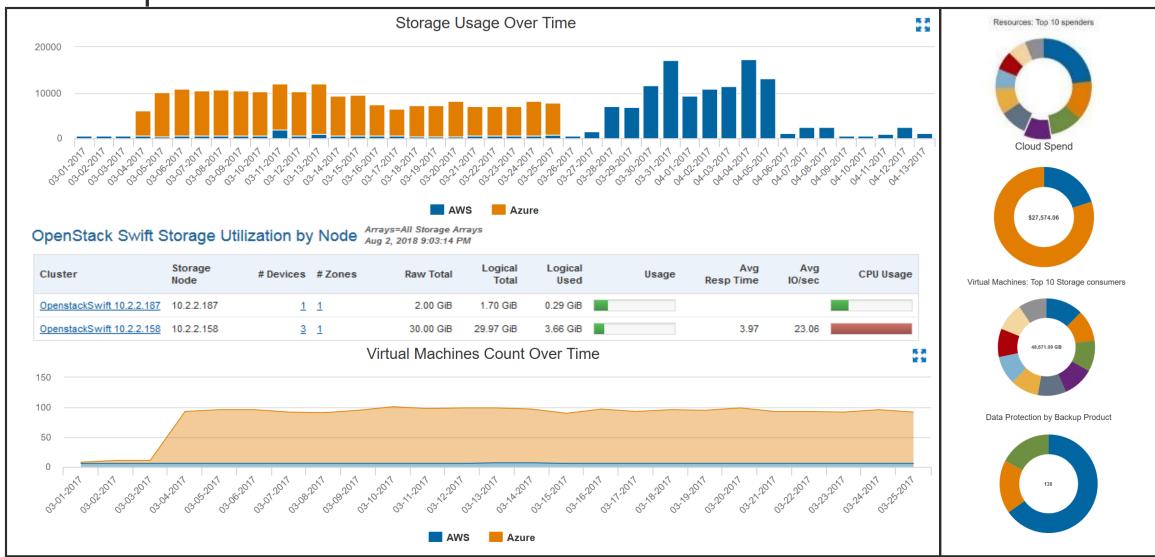




Inventory View



Incorporation of Public & Private Cloud



Microsoft Azure
Veeam
Vertias NetB...

EMEJARTHLON...
ACEMINIPSPLSING

ACEMNMUCXISQ01

ACEMWMDSCOGWO

ACEMWMUHPRAS1

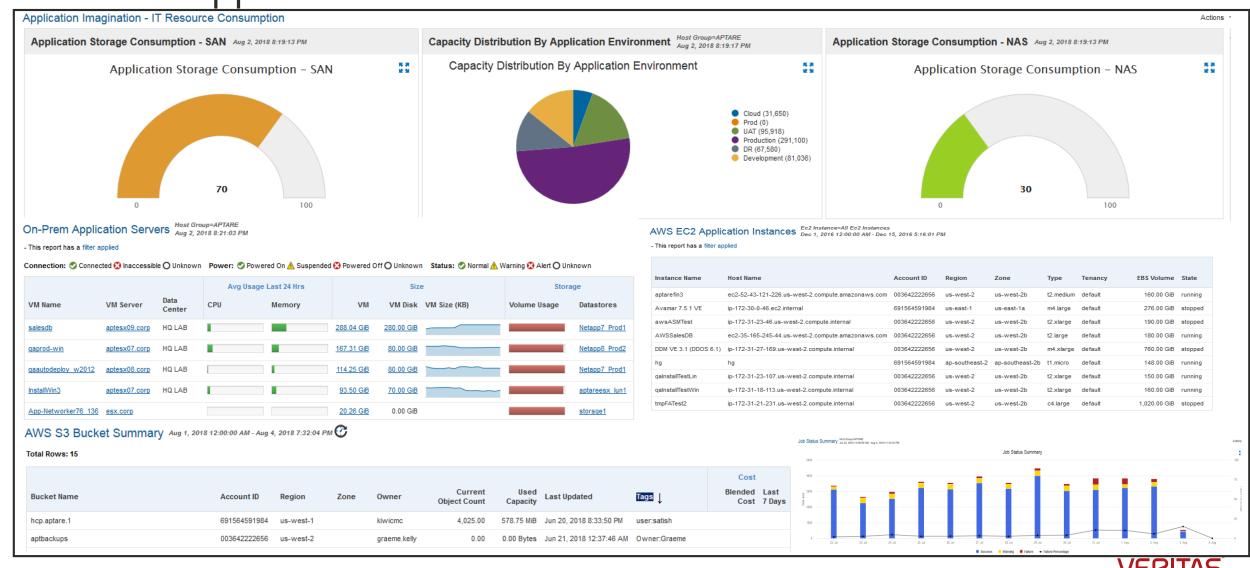
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ACASEMPSCOGW01

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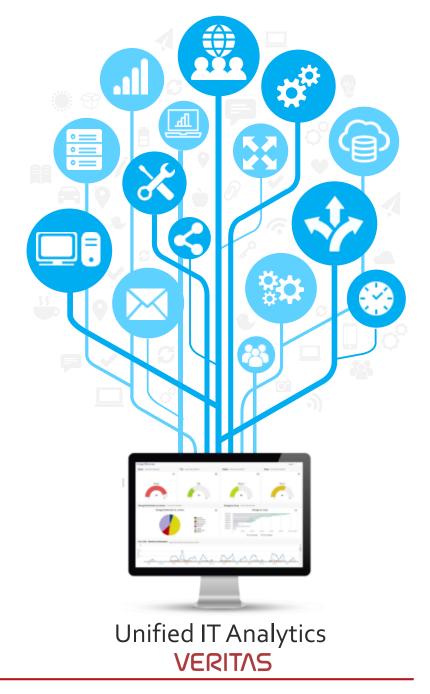
Unified Application Views: On-Prem & Cloud



Conclusion

- APTARE provides a single pane of glass
- Covers On-Prem & Hybrid Cloud Storage

- Actionable Insights to:
 - Optimize Storage Costs
 - Identify & Mitigate Risks
 - Make Compliance Easier & Faster





Q & A

Thank you!

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