



The Importance of Analytics in Storage Management February 16, 2016

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Hosted By:



Mark Herbert
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Arizona Chapter Leader



Today's Speakers:



Kara McMillan
Product Manager Storage Management
Hewlett Packard Enterprise



Vijay Ram S
Functional Architect
HPE Software Storage Management
Hewlett Packard Enterprise

Housekeeping

- This "LIVE" session is being recorded
 Recordings are available to all Vivit members
- Session Q&A:
 Please type questions in the Questions Pane



Webinar Control Panel

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Questions





Agenda and speakers

Agenda

- Storage Management and Analytics
- Storage Operations Manager Analytics
- SOM 10.10 Analytics demo
- Call to action
- Q&A



Kara McMillan
Product Manager
HPE Software Storage
Management



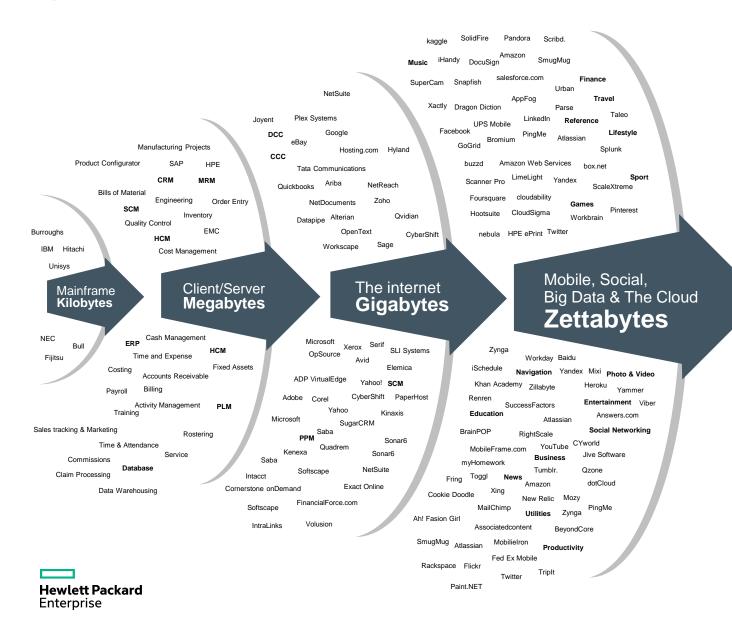
Vijay Ram S
Functional Architect
HPE Software Storage
Management



Storage Management and Analytics



Our world is data rich



Every 60 seconds







Q 698,445 Google searches

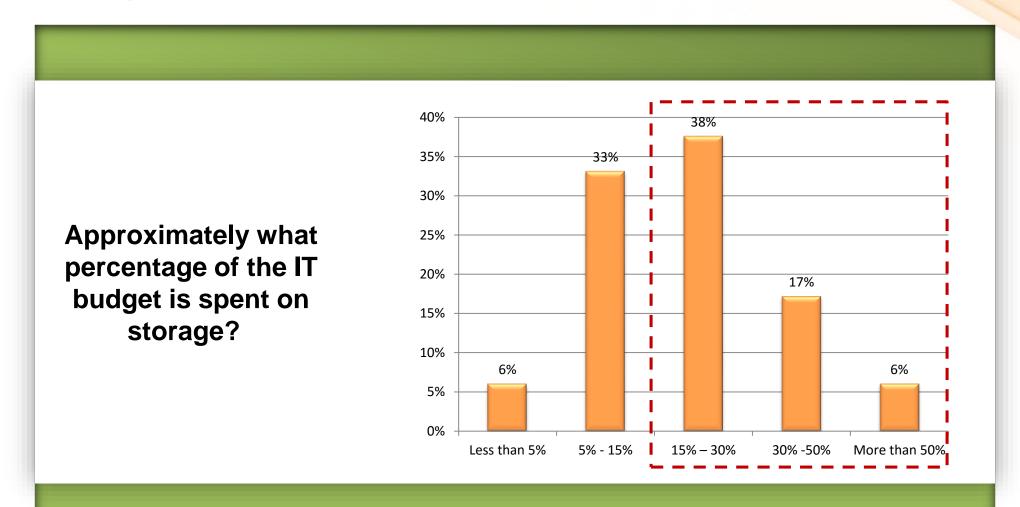
168 million+ emails sent

1,820TB of data created

217 new mobile web users

Yottabytes

More than Half Spent 15% or More of Their IT Budget on Storage

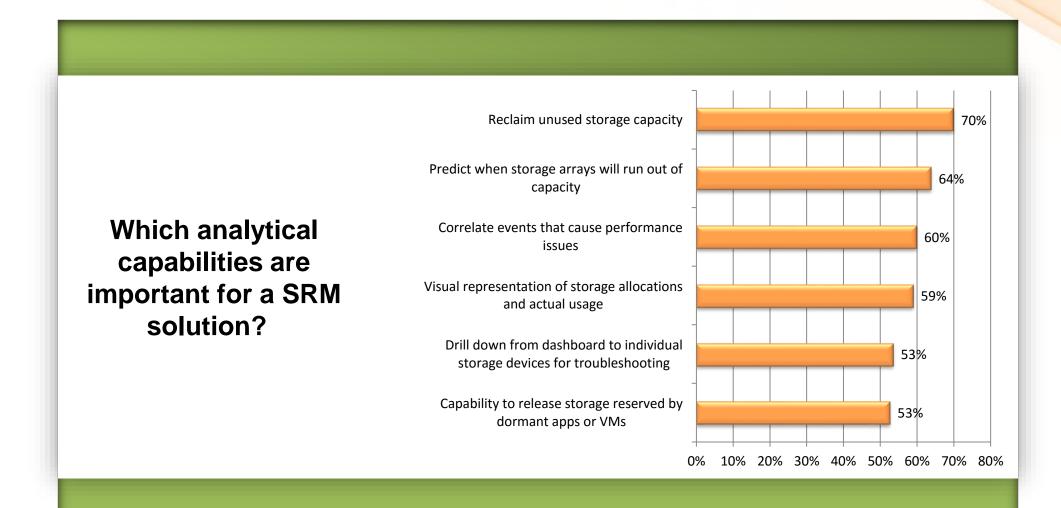


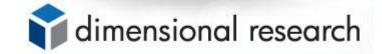
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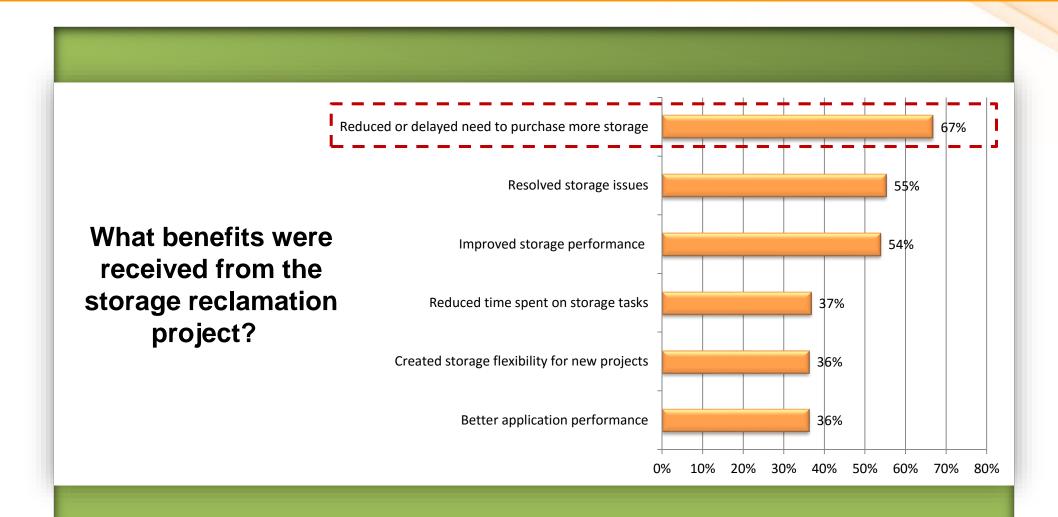
Diverse Requirements Important for SRM Solutions







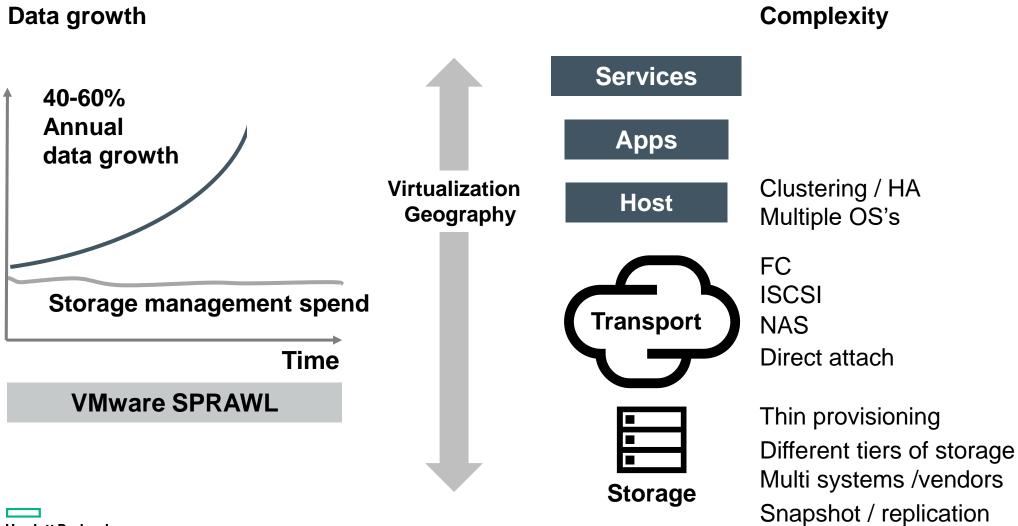
Storage Reclamation Projects Save Money



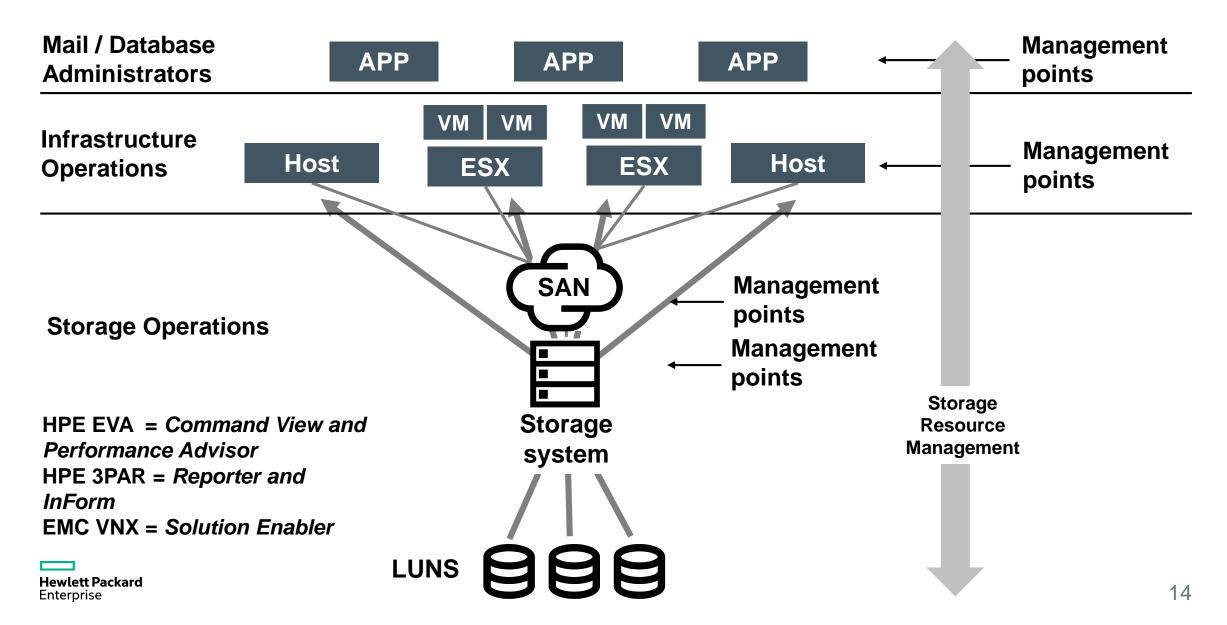




Storage management challenges



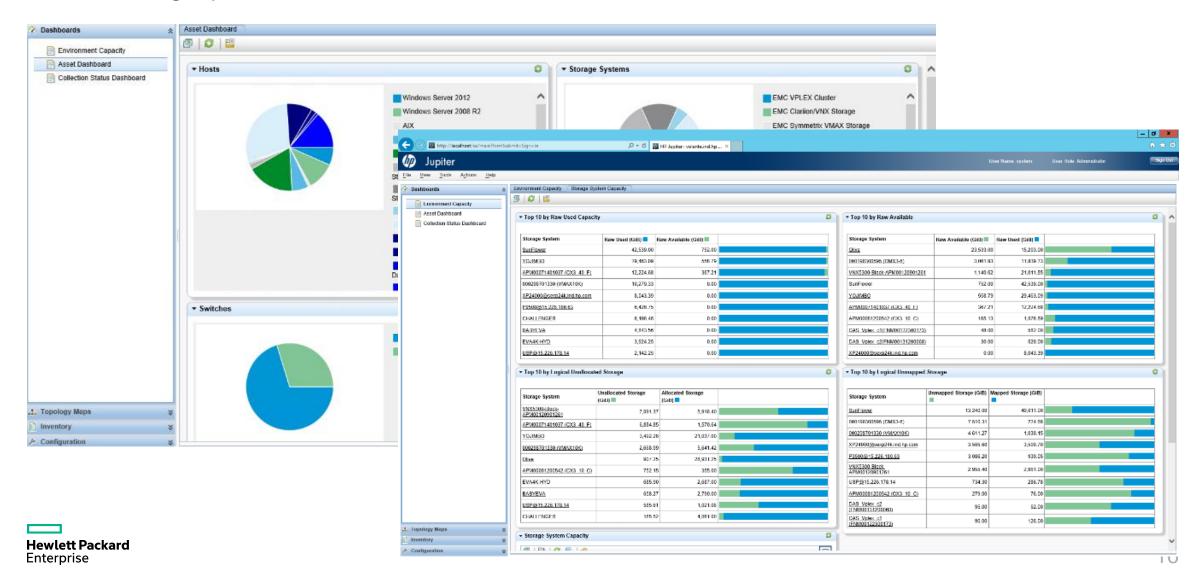
End-to-end storage management



Storage Operations Manager overview



Storage Operations Manager Built on highly scalable NNMi Architecture



Unified resource optimization HPE's approach to global SRM

Physical and virtual storage management







Embrace complexity and innovation

Improve service quality and delivery while driving consistent performance and increase profitability to the business



Capacity optimized

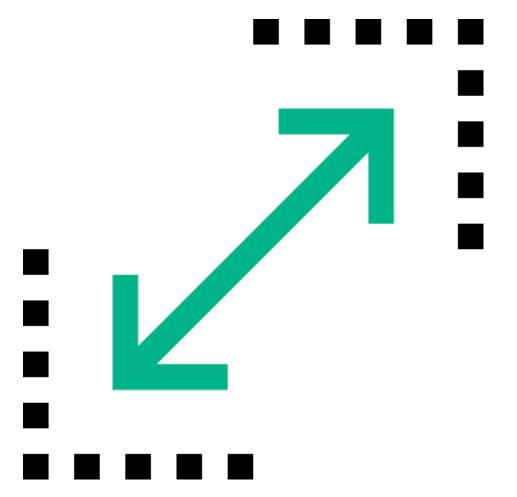


E2E SAN Performance, health utilization mgmt.

Business value

Efficiency

Massive scalability Scalable architecture, NAT support, element-based discovery



Features

- Time-tested NNMi platform
- Massive horizontal scalability
- Support for NAT and Cloud environments
- Path and dependency resolution at the global reporting level - OBR
- Continuous element-based discovery



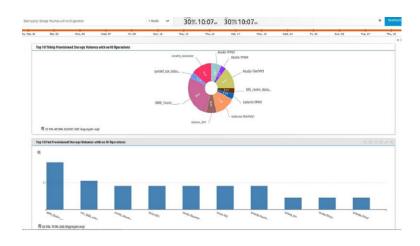
Storage Analytics

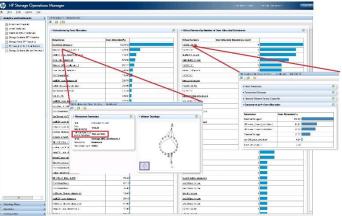
Prepare, predict and pinpoint IT issues to defend against complex system failure

SRM Analytics Use Cases

- Analytics of Thin Provisioning in a virtual environment
- Advanced Analytics in the Virtual Infrastructure
- DTT analytics for physical array capacity
- Storage Path Performance Analytics



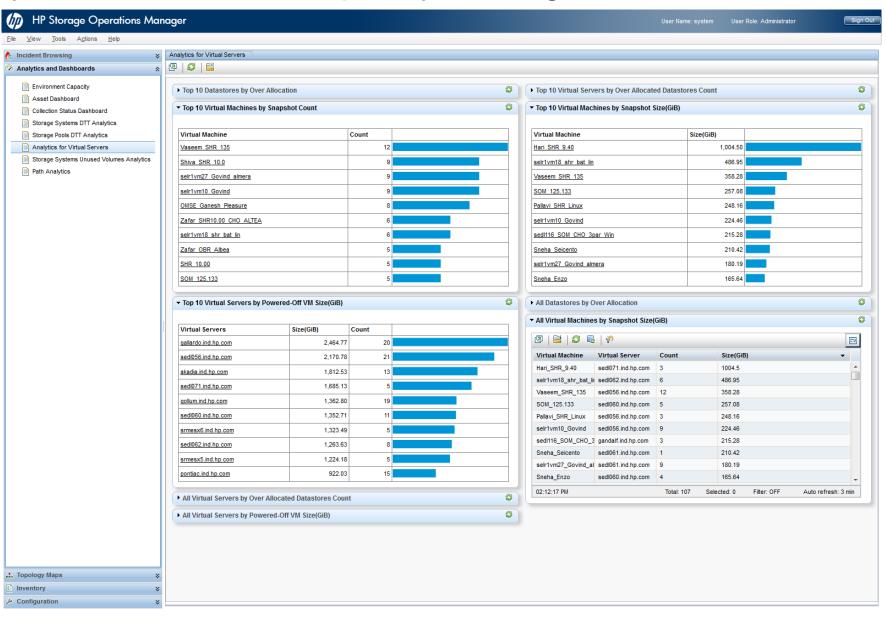






Virtual Server Analytics dashboard: Capacity Management

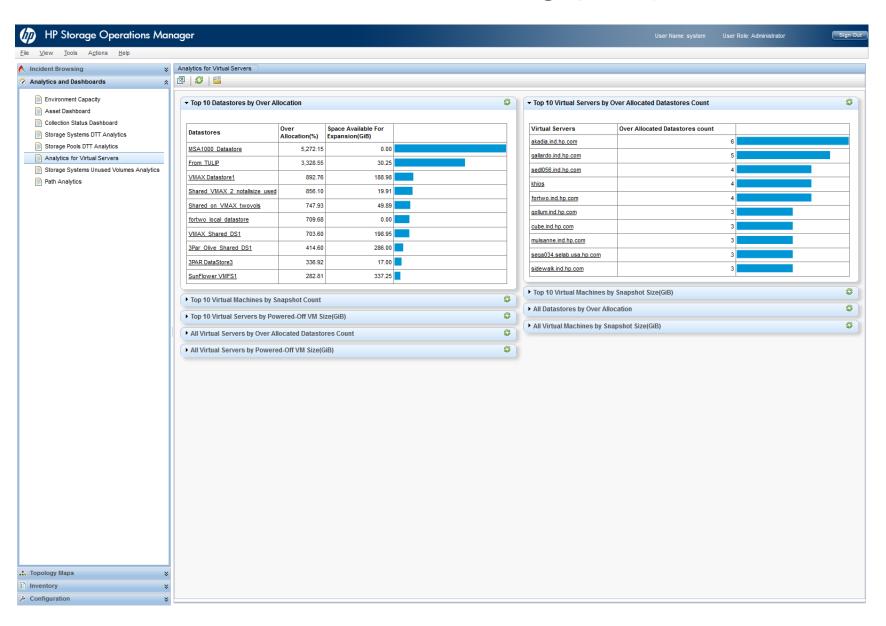
- Monitor storage availability on virtual servers
- Snapshot management
- Powered-off VM management





Virtual Server Analytics dashboard: Thin Provisioning (ThP)

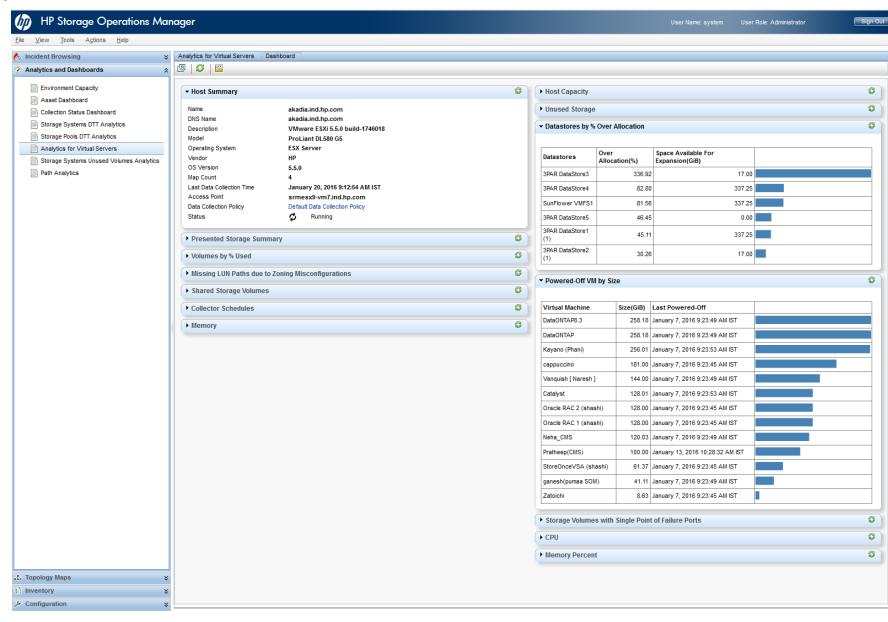
- Enhanced ThP Analytics
- Track physical storage available for expansion





Virtual Server Analytics dashboard: Host Level

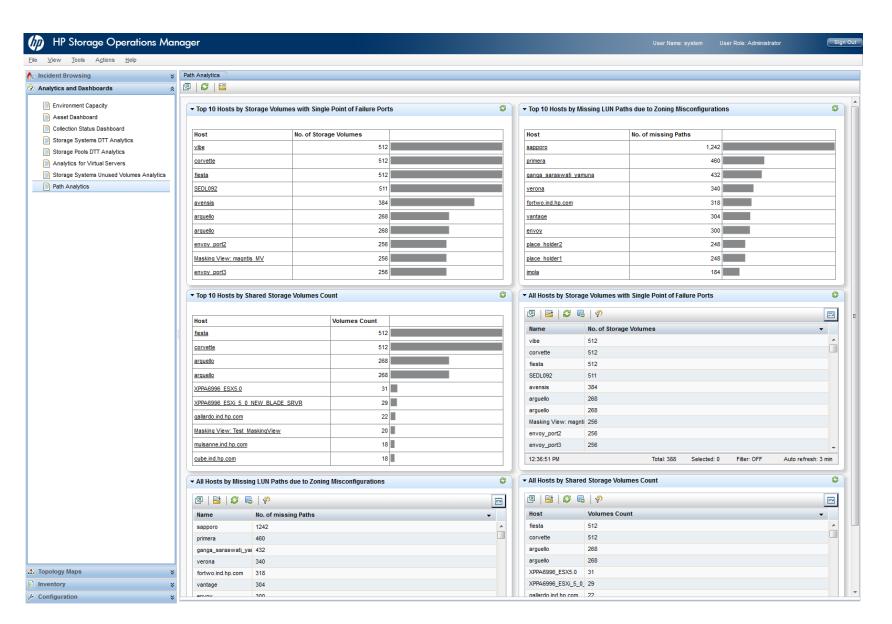
- Monitor storage availability at each virtual server
- Over-allocated datastores
- Powered off VMs





Path Analytics dashboard

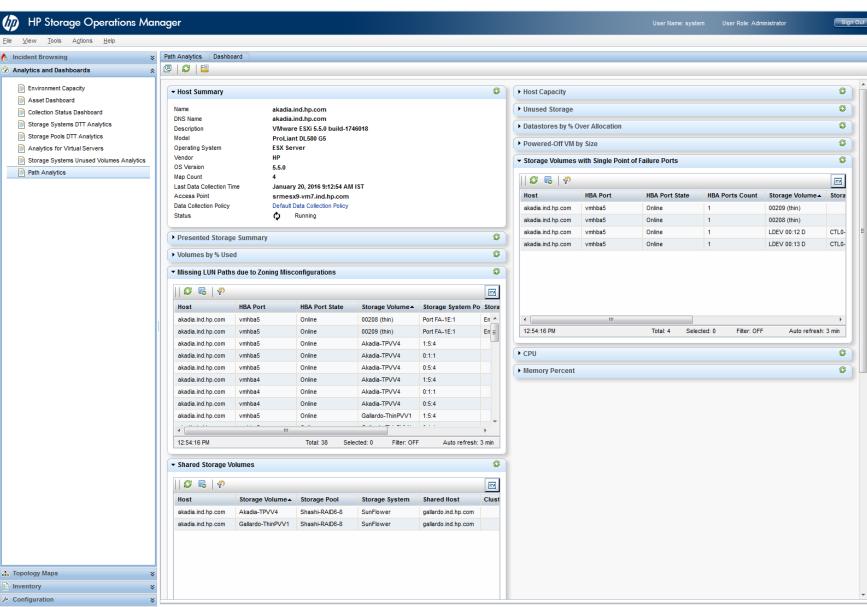
- Storage volumes with single points of failure
- Hosts with missing LUN paths
- Hosts with shared storage volumes





Path Analytics dashboard: Host level

- Storage paths that lack redundancy
- Zoning misconfigurations
- Volumes shared with other hosts





Storage Operations Manager 10.10 New feature demo



Storage Operations Manager 10.10 Call to action



Where can I learn more?

SOM 60-day Free Trial - hpe.com/software/som

SOM Documentation - https://softwaresupport.hp.com/group/softwaresupport/search-result/facetsearch/document/KM01435209

SOM Blogs

- http://www.techazine.com/2015/06/03/evaluating-hp-storage-operations-manager-from-the-customer-perspective/
- http://www.techazine.com/2015/06/03/installing-off-cycle-device-bundles-for-hp-storage-operations-manager/
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- http://h30499.www3.hp.com/t5/Business-Service-Management-BAC/How-to-reclaim-your-storage-from-unused-VMs-in-2-easy-steps/ba-p/6741757#.VUprRPIVhBc
- http://h30499.www3.hp.com/t5/Business-Service-Management-BAC/How-the-new-Storage-Operations-Manager-finally-gets/ba-p/6745111#.VVaNaflViko
- http://h30499.www3.hp.com/t5/Business-Service-Management-BAC/Storage-Operations-Manager-the-next-evolution-ofstorage/ba-p/6746364
- http://community.hpe.com/t5/Business-Service-Management/Announcing-Storage-Operations-Manager-version-10-10/ba-p/6830467#.VrOmq-a2Wuo



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