

OPTICS FOR STORAGE

Do you know how much of your storage is utilized and who's using it?

Can you forecast what your storage needs will be in 6, 12, or 18 months?

Can you appropriately chargeback for different tiers of storage?

As an IT leader, you need a complete and accurate view into your IT organization's storage capacity. Understanding who's using what, balancing today's needs with tomorrow's anticipated growth, and charging the business appropriately for your services has been an ongoing challenge. Now, GlassHouse's Optics for Storage service can alleviate the pain and help you obtain greater control over storage management.

- Reduce capital expenditures
- Delay new storage purchases
- Maximize existing storage resources
- Align storage purchases with corporate purchasing cycles
- Establish appropriate chargebacks based on actual consumption and storage tiers

Predict Future Storage

Take advantage of the predictive analysis engine to determine future storage capacity needs based on current usage levels and growth metrics. Get historical and current host storage usage for accurate forecasting. View historical and current array capacity, as well as storage consumption from applications.

Manage and Reduce Costs. Immediately

You don't need another project and you can't afford to wait weeks for baseline metrics and meaningless reports. Our Optics for Storage Service eliminates both.

- No agents to install
- No hardware or software to procure
- No maintenance requirements or costs
- Cash flow flexibility through annual service terms
- Service benefits tracked in about an hour - not weeks or months
- Start-up process and training by a subject matter experts



***Get a New Perspective.
Get Control.***

Gain a new perspective on your storage capacity with web-based end-to-end reporting from hosts to storage arrays. Immediately maximize storage utilization, improve capacity planning and reduce costs.

- *Automated mapping show the relationship between each host and LUN in your environment to convey how the storage resources are being used*
- *Host utilization shows the amount of storage capacity allocated and used by each host*
- *Array utilization shows the amount of allocated and used storage on each storage array*
- *Application utilization easily identifies the amount of storage used versus allocated by application*

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Support Mission Critical Applications

Make sure the applications that drive your business always have the storage required. Get application centric views that show you critical capacity information on your most important applications.

- Proactive monitoring and alerting let you know when an application is reaching a significant threshold
- Current and historical usage levels ensure that each application has optimal storage allocated to it
- Application storage versus allocation levels provide a deeper understanding of each application's true consumption level

Optics for Storage Service Overview

- Service Account Manager for service setup, training, and quarterly service operations reviews
- 24x7 customer support
- 24x7 visibility into your environment
- Automated email reports ad hoc or on schedules you control
- Over 40 publishable reports (shared and restricted across teams and individuals, CSV and HTML exports), including:
 - Capacity and Utilization of Primary Storage
 - View from the host to array, and from array to host
 - Illumination of storage users and abusers and under-utilized / reclaimable storage
 - Correlation of tier of storage to business value of data
 - Predictive Analysis
 - Predict future storage growth and trending
 - Forecast incremental CapEx expenses
 - Charge Back Reporting
 - Consumption based charge-back model
 - Proactive Alerts and Notifications
 - Monitor and alert on irregular storage utilization
 - Report writer wizard for customized report generation
- Security – User access and privileges

Supported Storage Arrays

EMC: CLARiiON, Symmetrix, DMX

NetApp: Storage systems running Data ONTAP 7.1+

IBM: N series

HDS: TagmaStore, USP, 9900 V, 9500 V

HP: StorageWorks XP



GlassHouse Technologies is a global provider of data center infrastructure consulting services. Focused on data center consolidations, virtualization, security, storage, data protection and managed services, GlassHouse consultants offer a vendor-independent approach to architect, implement and operate IT environments that drive high performance and agility through cloud computing and a service provider model. GlassHouse transforms infrastructures to deliver high value services that align to business needs, enabling cloud computing and accelerated return on investments while mitigating operational inefficiencies and risk. This is provided through Transom, a unique delivery framework comprised of proprietary software tools, methodologies and domain expertise. Visit the GlassHouse blog for expert commentary on key data center issues facing today's enterprises and follow us on twitter at #GlassHouse_Tech.