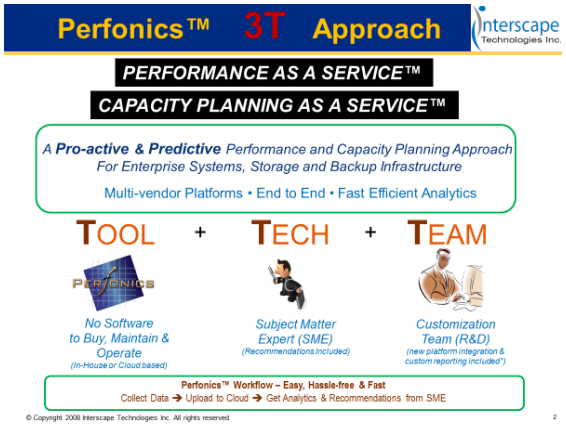
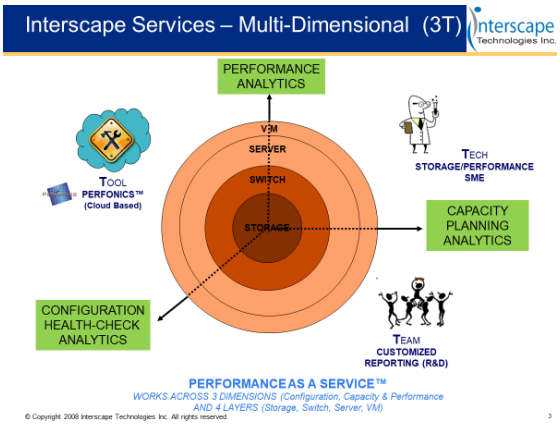
INTERSCAPE's Performance As A Service™ Powered by Perfonics™ Toolset

Interscape helps a Fortune 100 Wall Street Bank Migrate 4500 Servers with over 15PB Storage, while improving I/O performance latencies and reducing risks by leveraging Perfonics™ Toolset and Performance As A Service™ methodology.





Project:

Interscape working together with its partner Dell EMC helped migrate over 15PB of storage utilized by over 4500 servers. The project involved migrating the servers spread over 55 EMC VMAX-1 and VMAX-2 storage arrays to VMAX-3 targets. Interscape provided extensive storage analytics for every array and server migrating by capturing and visualizing storage performance, capacity and configuration information.

In addition to getting the older storage arrays off the floor, the project also had requirements to improve storage I/O performance, consolidate dispersed server storage and remediate host currency. Detailed analytics had to be provided to the end-users for every migrating application and servers. The desire was to create the pre-migration and post-migration baselines in fully automated manner using very minimal resources. The baseline reports needed to show performance profiles, capacity information and configuration at the storage and host levels.

In-Scope Storage Infrastructure (10 Data Centers):

Source Arrays: 55 Dell EMC Symmetrix (VMAX-1, VAMX-2)
Target Arrays: 32 Dell EMC VMAX-3
SAN (Switches): Distributed Cisco 9513 SAN Fabrics
DR Replication: Synchronous SRDF, SRDF/A
Servers: 4500 servers – VMWare, Windows, Linux, Solaris

Project Implementation & Conclusion:

- Interscape's Perfonics™ instance was deployed in the bank premises to keep the data secure and to avoid shipping large quantities of data to the cloud instance.
- Onsite/Offsite Storage SME lead the project with offsite Perfonics™ experts managing the toolset and reporting.
- All 55 arrays were decommissioned without introducing risks within the one-year project timeframe. I/O Profiles were created for each server showing pre-vs-post migration views. 100% of the migrations achieved better performance by improving latencies, IOPS or MBPS bandwidth post-migrations
- Fully automated data collection & analysis for large number of arrays was used. Over 4500 pre-vs-post migration IO profile reports were produced weekly on 90 day rolling data basis.
- Reduced costs by storage optimization with minimal client resources required

The financial client renewed the project for one more year to continue using the Perfonics™ toolset and the Performance As A Service™ delivery methodology for another 35 arrays and 3200 hosts.