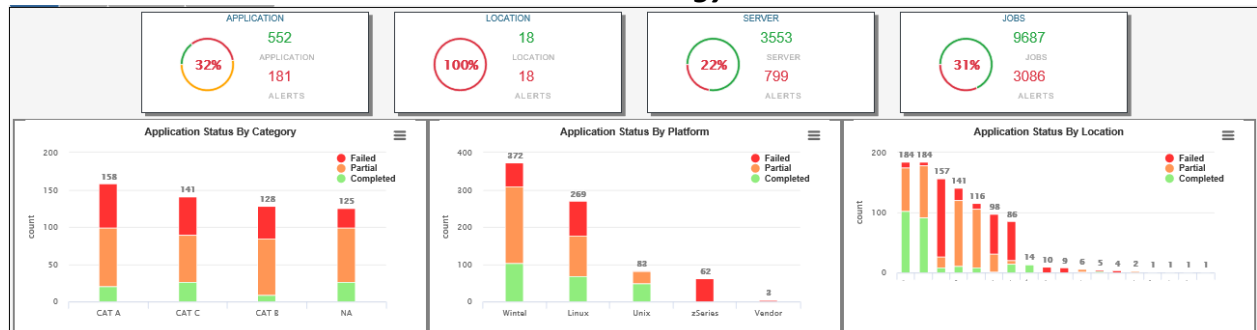# Application Backup & Restorability Analytics with Interscape's "As A Service™" Methodology

Interscape helps an International Bank with Application Backup and Restorability analysis for over 350 applications spread over 2500 servers, utilizing its Perfonics™ toolset and "As A Service" methodology.

Project:

Interscape was engaged to help their financial client, an international large bank, analyze enterprise backup & recovery review to validate the completeness and integrity of backups and to determine the maturity of restoration capability. Also included was a storage health-check for IBM and Hitachi storage across DC's.

Clients major business drivers was due to an application restoration issue that identified missing backups for a critical database. This resulted in application recovery to take days instead of few hours.

Interscape helped analyze over 350 applications spread over 2500 servers for backup success rates and restorability. Multiple backup software applications were used such as IBM TSM and Symantec NetBackup across the datacenters. EMC Data Domains were used with replication over geographically dispersed datacenters.

Interscape provided extensive backup analytics and storage analytics reports from application, server and storage perspective. Opportunities for improvement were identified in the backup and storage infrastructures.

Project Goals:

Following were the project objectives implemented:

- Critically review HA/DR related Recoverability and reference architecture
- Critically review Backup/Restore capabilities and benchmark. Identify opportunities for improvement.
- DR/Data protection audits at storage level
- For all 352 applications – validate backup consistency using CMDB based application to server maps
- Projected simultaneous restore times for all applications during DR event
- Performance Health-check for backup and storage infrastructure

In-Scope Infrastructure (2 Data Centers)

Backup Software: Symantec NetBackup & IBM TSM with 13 Backup Servers
Storage Arrays: IBM SVC, IBM DS8800, NAS N6240, Hitachi USP, G1000, HUSVM & EMC Data Domains
SAN (Switches): Brocade DCX
DR Replication: Data Domain Replication
Servers: 2500 servers – VMWare, Windows, Linux, Solaris, AIX

Interscape's "AS A SERVICE" methodology which included the cloud based Perfonics™ tool, Backup and Storage SME and a back-end delivery team provided a very efficient project delivery in a very short time with actionable recommendations lowering the risk exposure for the client.