

GTO Partners
in Performance

Smarter Storage Management

Tivoli Storage Manager



A Passion to Perform.

Deutsche Bank



Deutsche Bank Campus

■ Global Banking company:

- 80,000 + employees in 72 countries

■ Hub Sites:

- UK and US

■ Regional sites:

- Frankfurt, Singapore, Sydney

■ Branch sites

- Over 200 + worldwide

Deutsche Bank Global Backup Infrastructure

■ TSM Server version 5.5

- AIX, Solaris and Windows
- Over 100 TSM Servers
- 20,000 + TSM Clients

■ Disk Storage

- Dual Vendor: EMC and HDS

■ Tape Libraries

- IBM TS3500, 3584, TS3310 and Quantum i2K, i500

■ Virtual Tape Libraries

- SEPATON, plus RFP in progress to go “Dual Vendor”

Deutsche Bank - Why TSM

- DB need a product that can be centrally managed
- Product needs to be robust
- Support all platforms and Apps within DB
 - AIX, Solaris, Windows, NetApp Filers, VMWare
 - Oracle, SQL, Exchange, Lotus Notes
- High level of product support
- Product needs to be Reliable

Finance world – Banks in trouble

- Origami Bank has folded
- Sumo Bank has gone belly up
- Bonsai Bank announced plans to cut some of its branches.
- Karaoke Bank is up for sale and will likely go for a song
- Kamikaze Bank were suspended after they nose-dived.
- Samurai Bank are soldiering on following sharp cutbacks
- Ninja Bank are reported to have taken a hit, but they remain in the black.
- 500 staff at Karate Bank got the chop and analysts report that there is something fishy going on at Sushi Bank where it is feared that staff may get a raw deal.

Deutsche Bank - TSM

- DB need a product that can be centrally managed
- Product needs to be robust
- Support all platforms and Apps within DB
 - AIX, Solaris, Windows, NetApp Filers, VMWare
 - Oracle, SQL, Exchange, Lotus Notes
- High level of product support
- Product needs to be Reliable

Deutsche Bank - TSM

- DB need a product that can be centrally managed
- Product needs to be robust
- Support all platforms and Apps within DB
 - AIX, Solaris, Windows, NetApp Filers, VMWare
 - Oracle, SQL, Exchange, Lotus Notes
- High level of product support
- Product needs to be Reliable

Deutsche Bank - Example Recovery with TSM

■ DB NY / NJ – 9/11/2001

- 10 TSM Servers in Manhattan
- Twin TSM Servers in NJ

■ September 12th 2001

- 10 NY TSM Servers restored to D/R TSM Server instances in NJ
- Service re-established by 12th September at 9:00 am
-
-
- 2000 + Servers restored to new machines
- Less than 5% failure of restores
- After 9/11 less than 1% of backup failures – monitored via backup reporting software

TSM version 6

■ What's coming in Version 6

Database – DB2

- Full SQL capabilities

- Archive Logging

- Defrag of TSM Database

NetApp

- Ability to perform NetApp Filer Snapshot backups to TSM

Exchange

- Individual Mailbox Restores

- Can restore deleted or relocated users data

- Restore to Original or Alternate Mail Server

TSM version 6

■ What's coming in Version 6

Active directory Based Security

Restores – Improved granularity, advanced filtering

Share Point Backups

New CLI

Windows 2008 support

New Functionality / Enhancements to TDP for Oracle, DB2 and SAP

New FlashCopy functionality for SVC

TSM version 6

■ What's coming in Version 6

Advanced Copy Services:

XIV Support

Support for N Series / NetApp – LAN and SAN attached