

IBM Tivoli Storage Manager Data Protection for Oracle



Neil Rasmussen
Software Development for Tivoli Data Protection
Tivoli Software, IBM SWG
rasmussn@us.ibm.com

© 2003/2004 IBM Corporation

Tivoli Storage Management Software



Agenda

[Overview: Tivoli Storage Manager and Data Protection for Oracle](#)

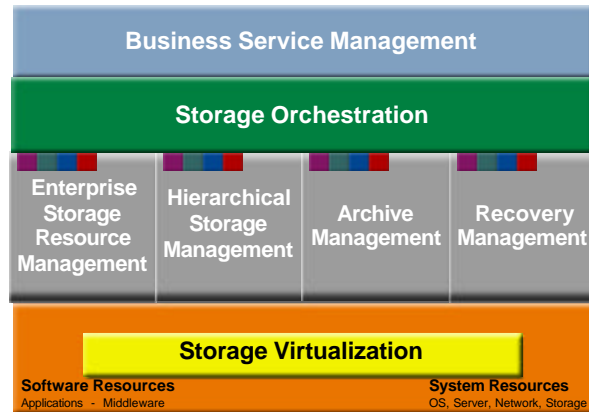
[Highlights and Updates: ITSM for Databases](#)

[Value Proposition](#)

2

© 2003/2004 IBM Corporation

IBM Automation Blueprint



IBM Tivoli Storage Manager

- **Complete** Storage Management
 - Backup/Restore
 - Archive/Retrieve
 - HSM
 - Disaster Recovery
- **Scaleable** from PC servers through UNIX and mid-range servers to OS/390 mainframe servers
- **Heterogeneous** platform coverage for 39 different operating environments and broad device support for approx. 500 storage devices

IBM Tivoli Storage Managers for ...

- **Tivoli offers integrated data protection for**
 - Databases => Oracle®, Informix® and SQL Server®
(TSM client for DB2 shipped with DB2)
 - ERP applications => mySAP® on Oracle® and DB2 UDB
 - Mail applications => Lotus Domino, Microsoft Exchange®
 - Application Servers => WebSphere Application Server 5.0
 - SAN Hardware => IBM ESS with Oracle®, DB2 UDB, mySAP®
- **Direct interface with these applications**
 - Certified vendor interfaces and utilities are used
 - TSM Server utilized as proven back-end
 - Vendor specific GUIs used
 - Ensures reliability, support and safety

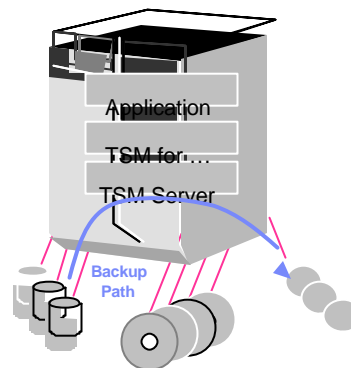
TSM connections - Basic principle: Local Backup

**E-Business
Application**

TSM for ...

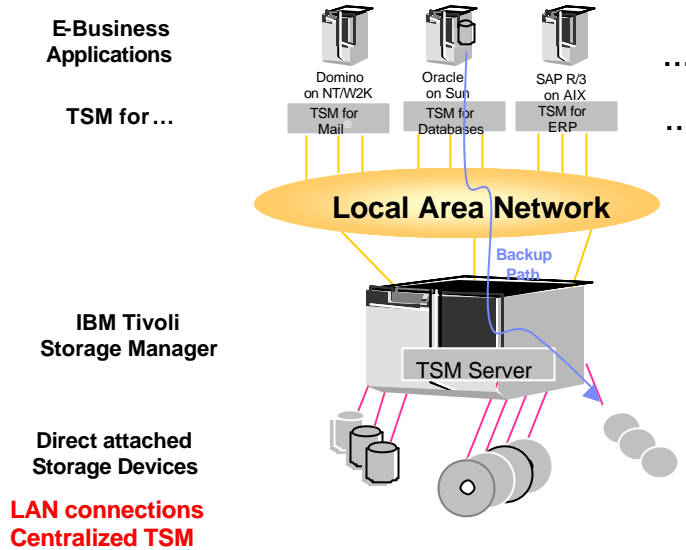
**IBM Tivoli
Storage Manager**

**Direct attached
Storage Devices**

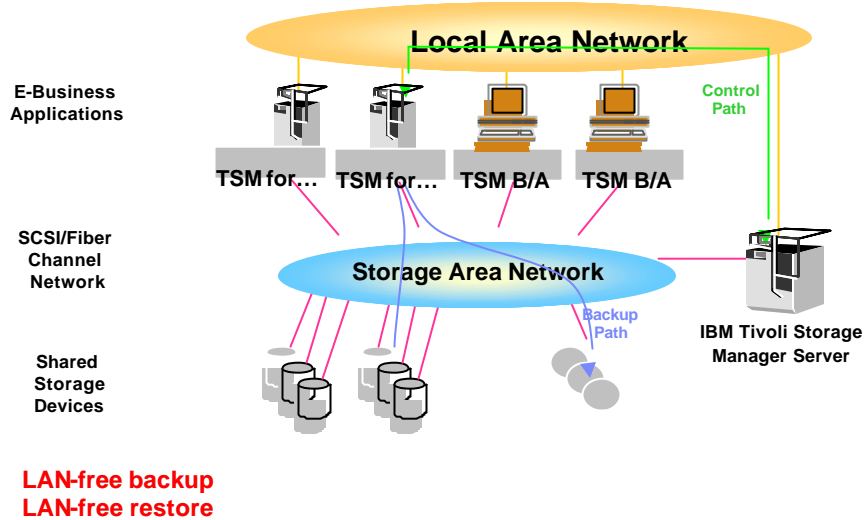


**Single Server
No network**

TSM connections – Basic principle: LAN



SAN Exploitation: LAN-Free Backup



Agenda

Overview: ITSM for Databases and Applications

Highlights and Updates: ITSM for Databases

Value Proposition

IBM Tivoli Storage Manager for Databases - Data Protection for Oracle

- **Online** backup of Oracle databases with Oracle RMAN
- **Incremental** Backup provided (through RMAN)
- **Oracle 9i 9.1, 9.2, and 10g** support
- Supports the **Duplex Copy feature** of RMAN 2.0
- Includes a **synchronization utility** to reconcile catalogs
- 32-bit platform support Sun Solaris, Linux/390, Windows
- **64-bit platform** support for Sun Solaris, HP UX, AIX, Windows
- **LAN Free support** for AIX, Windows, SUN Solaris and AIX
- Support for **Linux zSeries and Linux IA64 coming in 2Q04**
- Support for **HP Itanium coming in 3Q04**

Data Protection for Oracle: Features and Functions

Seamless **application integration** to provide application specific functions

- Integrates with Oracle RMAN backup utility

High backup performance to minimize database impact during backup

- multiple parallel connections to TSM server

High restore performance to go online again

- multiple parallel connections to TSM server

LAN-Free backup & restore supported

Agenda

Overview: ITSM for Databases and Applications

Highlights and Updates: ITSM for Databases

Value Proposition



ITSM for ... Value

- **Ensure application availability**
 - Online Backup
 - High performance backup/restore
- **Protect vital business data**
 - Data integrity
 - Application integration
- **Minimize operating costs**
 - Incremental backups
 - Saves customers from manual scripting
 - Automation and scheduling
- **Protect investment in Storage/SAN technology**
 - LAN Free backup/restore
 - Copy Backup functions

Contact Information



Cyrus Niltcian

Technical Evangelist for Tivoli Storage Manager
Tivoli Software, IBM SWG
Nilchian@us.ibm.com

Neil Rasmussen

Software Development for Tivoli Data Protection
Tivoli Software, IBM SWG
rasmussn@us.ibm.com

Product Information



www.storage.ibm.com/software

www-306.ibm.com/software/tivoli/products/storage-mgr-db

© 2003/2004 IBM Corporation