



G06 - How to store your data in SharePoint

European Microsoft SharePoint
Conference 2007

A story about Performance, Compliance and
Reliability by **NetApp**

February 12th to 14th, 2007

Convention Center

Hotel Estrel, Berlin, Germany

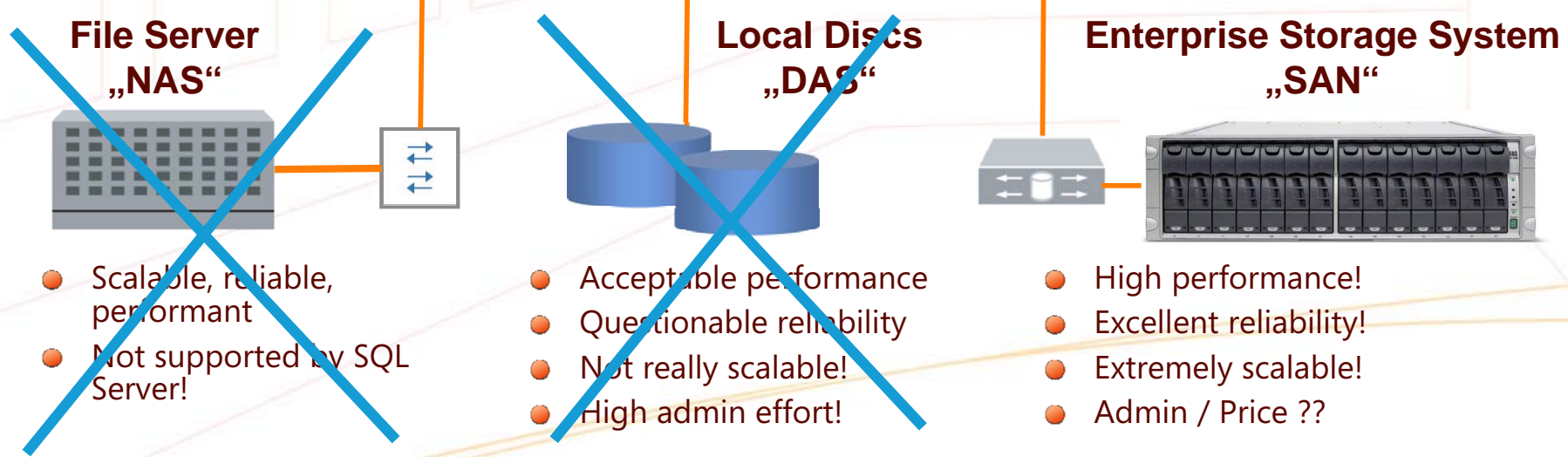
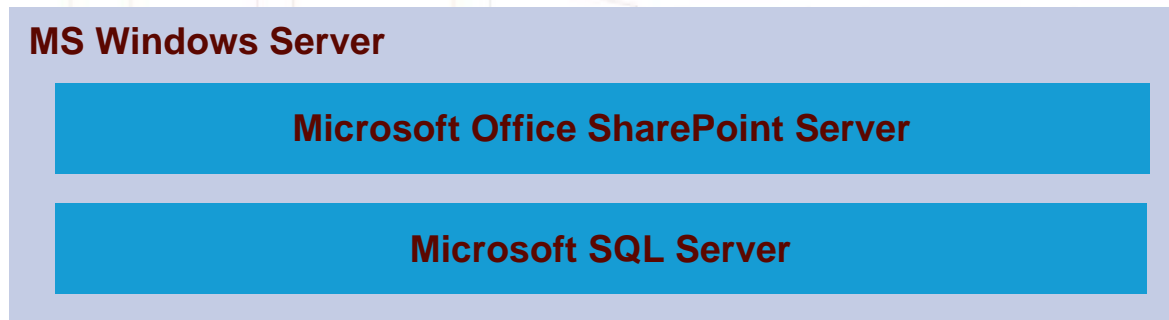
The Microsoft Office SharePoint Server 2007 logo, featuring the Microsoft logo (four colored squares) to the left of the text 'Microsoft Office SharePoint Server 2007'.

Microsoft®
Office SharePoint®
Server 2007

Microsoft Office SharePoint Server - it actually IS a database -



- Microsoft Office SharePoint Server is using Microsoft SQL Server as Data Repository



SAN Growth Inhibitors

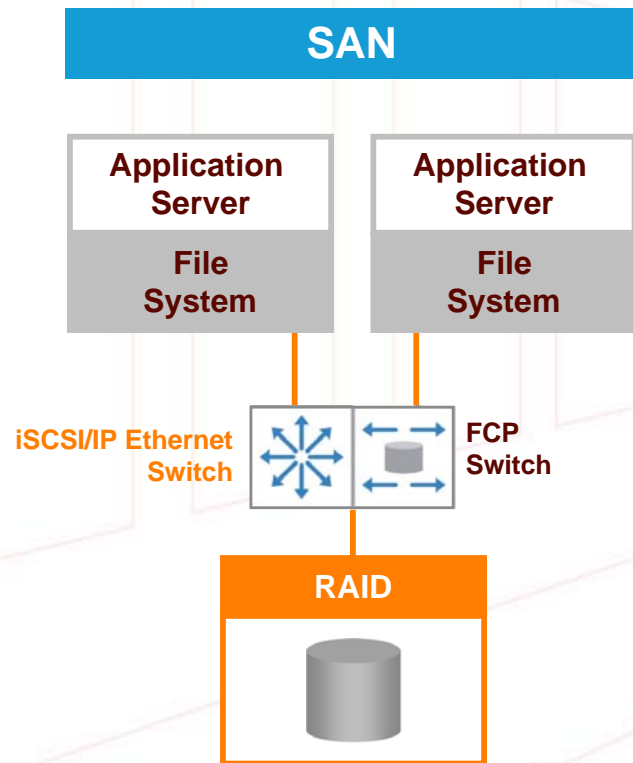
- it's all about perception -

- Why isn't SAN as common in mid-size environments as one might expect?
 - ▶ Perception of high cost!
 - ▶ Perception of complexity!
 - ▶ Mainly driven by the fibre channel SAN history

IT DOESN'T HAVE TO BE LIKE THAT!

SAN Advantages for SMBs

- reuse knowledge and infrastructure -



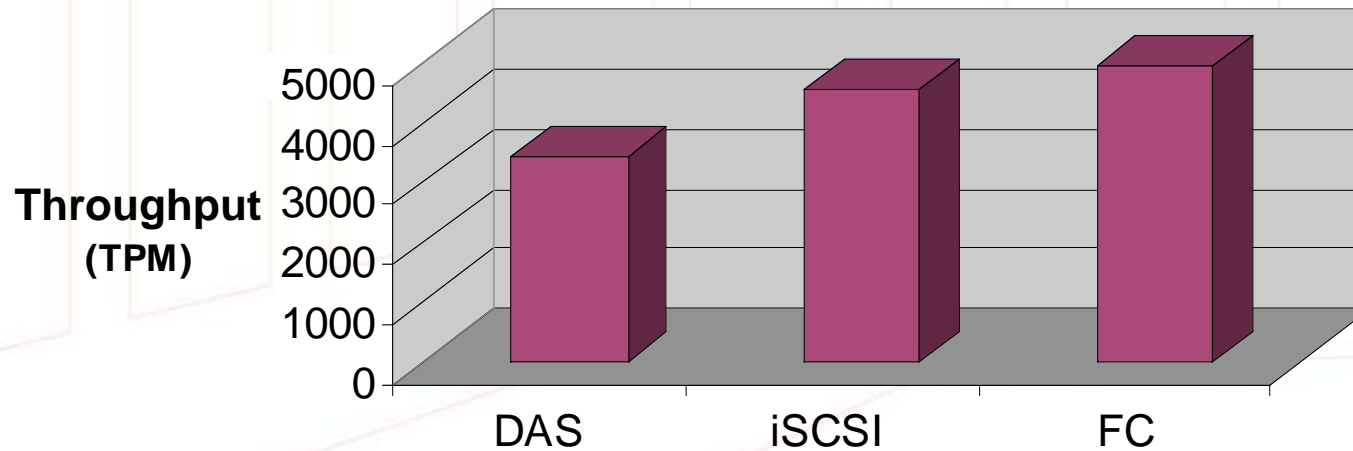
- FC-SAN
 - SCSI over Fibre Channel
 - Highest Performance
 - Fairly complex, fairly expensive
- iSCSI-SAN
 - SCSI over Ethernet ("IP SAN")
 - TCP as transport protocol, Ethernet as media
 - IETF standard (RFC 3720 – April 2004)
 - High Performance at very competitive cost
- Microsoft Simple SAN – a SAN that
 - is easy to deploy and manage
 - ensures interoperability
 - offers significant cost-advantages

- ▶ Optimized for Block-I/O
- ▶ Separate Network that connects servers to storage backends

Optimized Storage Infrastructure - the key to performance -



- Enterprise Strategy Group Validation study (4/04)
http://www.netapp.com/tech_library/ftp/analyst/ar1023.pdf
- iSCSI performance is close to FC



Throughput Improvement:

33%

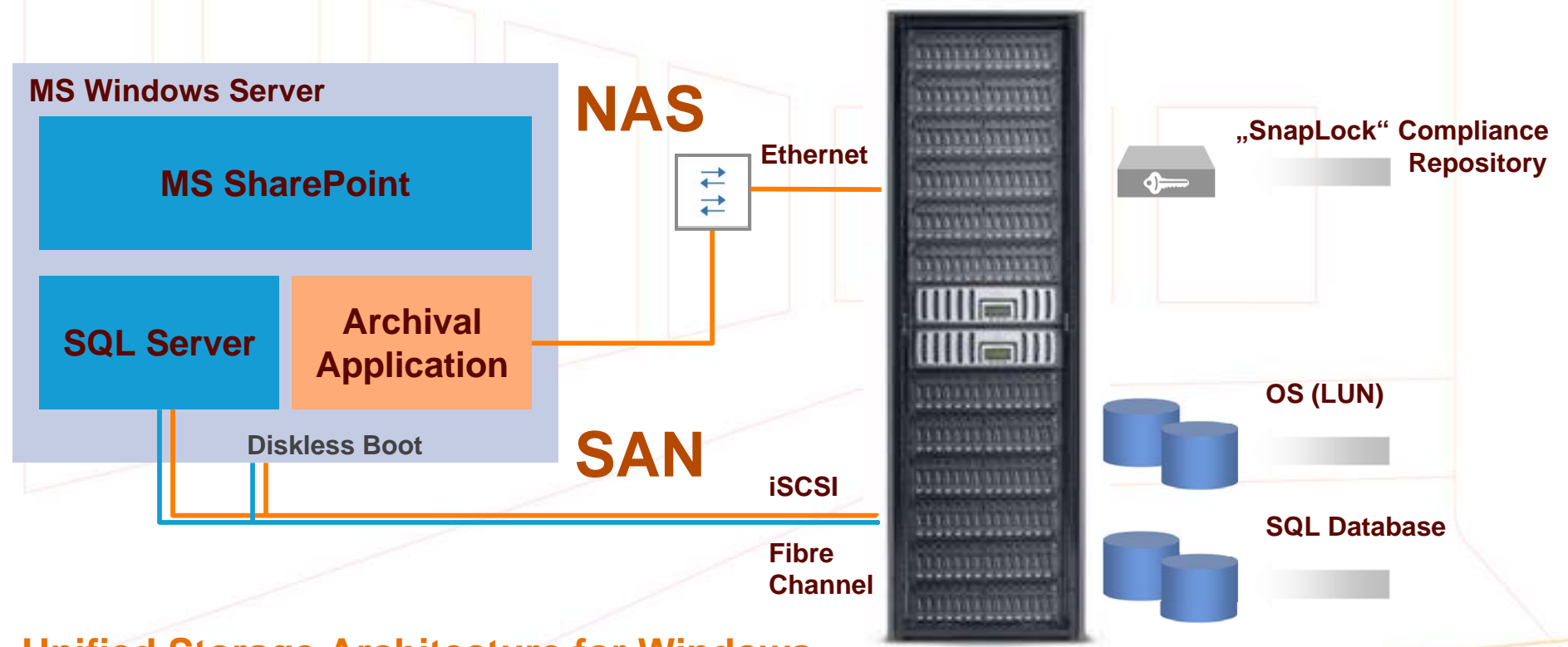
44%

Response Time Improvement:

63%

88%

Storage and Compliance Archiving - not only for SharePoint -



Unified Storage Architecture for Windows

- ▶ Everything on one storage system
- ▶ Simplified administration
- ▶ Extremely reduced complexity
- ▶ Significantly reduced cost



NetApp® Solutions for Microsoft - Storage doesn't live on it's own -

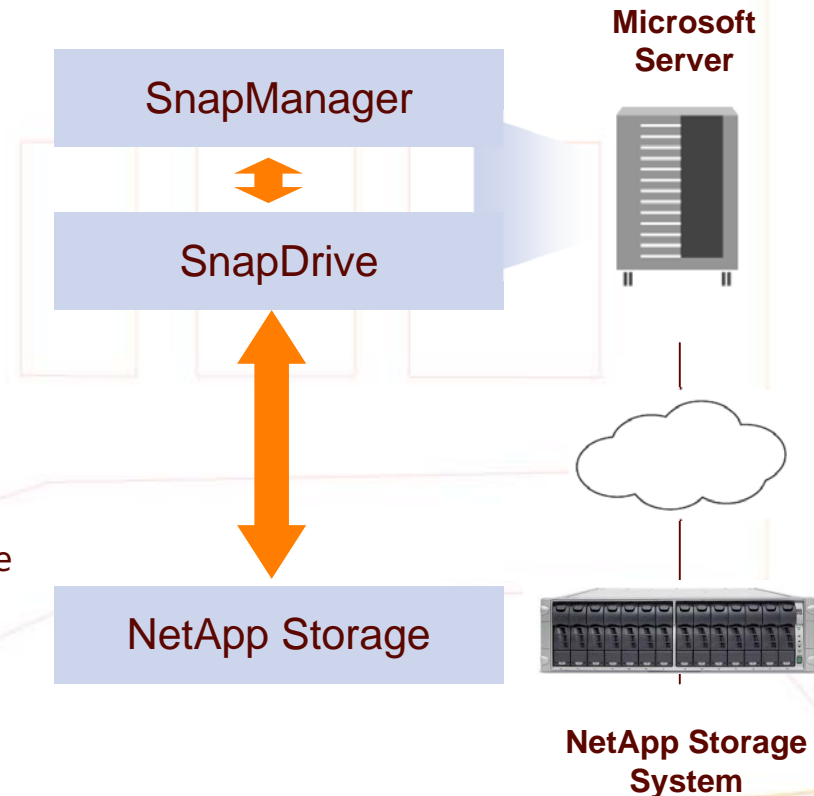


SnapDrive®

- ▶ Integrates NetApp with the server OS
- ▶ Initiate backups "on demand" and manage backup schedules
- ▶ Rapid point-and-click restores w/out complex manual effort in minutes
- ▶ Brings unique cloning capabilities to Windows environments

SnapManager®

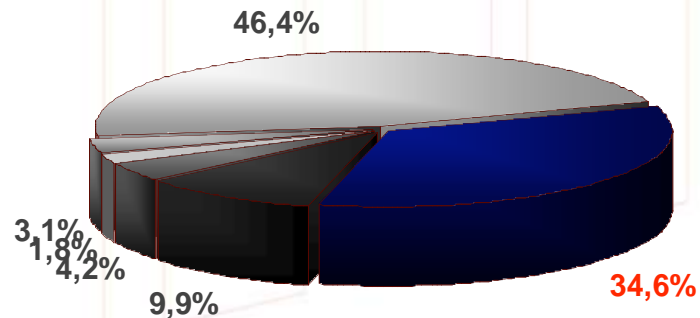
- ▶ Automates and simplifies backup and restore on the application level
- ▶ Integrated w/ application backup API
- ▶ On-the-fly disk and storage expansion
- ▶ Supports FCP and iSCSI



iSCSI Solutions from the Market Leader - don't accept any less -



2006 YTD iSCSI Terabyte
Market Share



Vendor	TB	Share
NetApp	21,295	34.6%
Comp. E	6,113	9.9%
Comp. D	2,588	4.2%
Comp. I	1,132	1.8%
Comp. H	1,920	3.1%
Others	28,555	46.4%
Total	61,604	

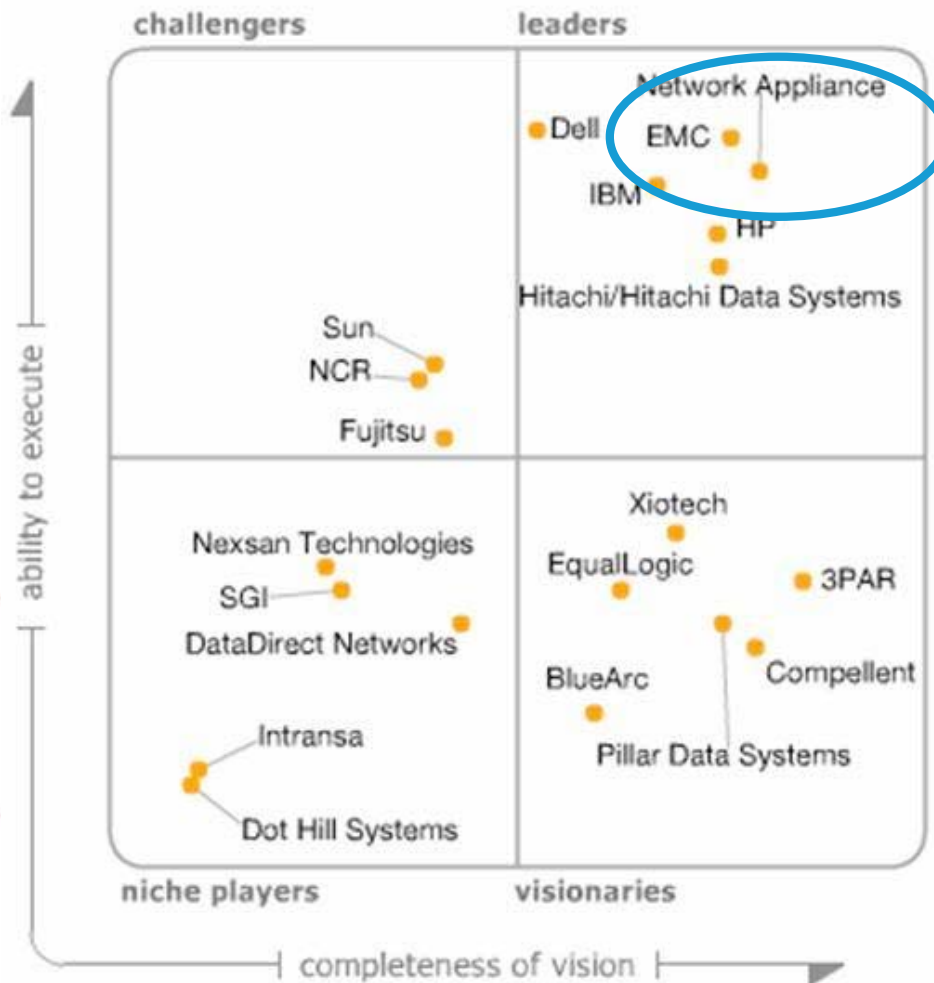
- NetApp
- Competitor E
- Competitor D
- Competitor I
- Competitor H
- All others

Source: IDC, Dec 2006

YTD represents the first through third calendar quarters of 2006



The analytical View - trust in a visionary leader -



Source: Gartner, Inc. Dec 2006
Stanley Zaffos, Roger W. Cox,
April Adams

*Magic Quadrant for Midrange Enterprise
Disk Arrays, 2H06*

*This Magic Quadrant was published as
part of a larger research note and
should be evaluated in the context of
the entire report. The report is available
upon request from NetApp.*

The Magic Quadrant is copyrighted Dec 18, 2006 by Gartner, Inc. and is reused with permission. The Magic Quadrant is a graphical representation of a marketplace at and for a specific time period. It depicts Gartner's analysis of how certain vendors measure against criteria for that marketplace, as defined by Gartner. Gartner does not endorse any vendor, product or service depicted in the Magic Quadrant, and does not advise technology users to select only those vendors placed in the "Leaders" quadrant. The Magic Quadrant is intended solely as a research tool, and is not meant to be a specific guide to action. Gartner disclaims all warranties, express or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

Get the Loox!



- Take Part in the Sweepstakes and win the Pocket Loox T810 by Fujitsu-Siemens!
- Visit us at the NetApp booth 61 in the Gold Partner's exhibitor area



Sweepstake

Complete your Feedback form
and have a chance
to win a Zune!*



* English US version