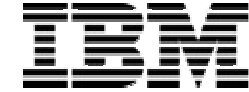


@server & TotalStorage



IBM Systems Sales EMEA Central Region

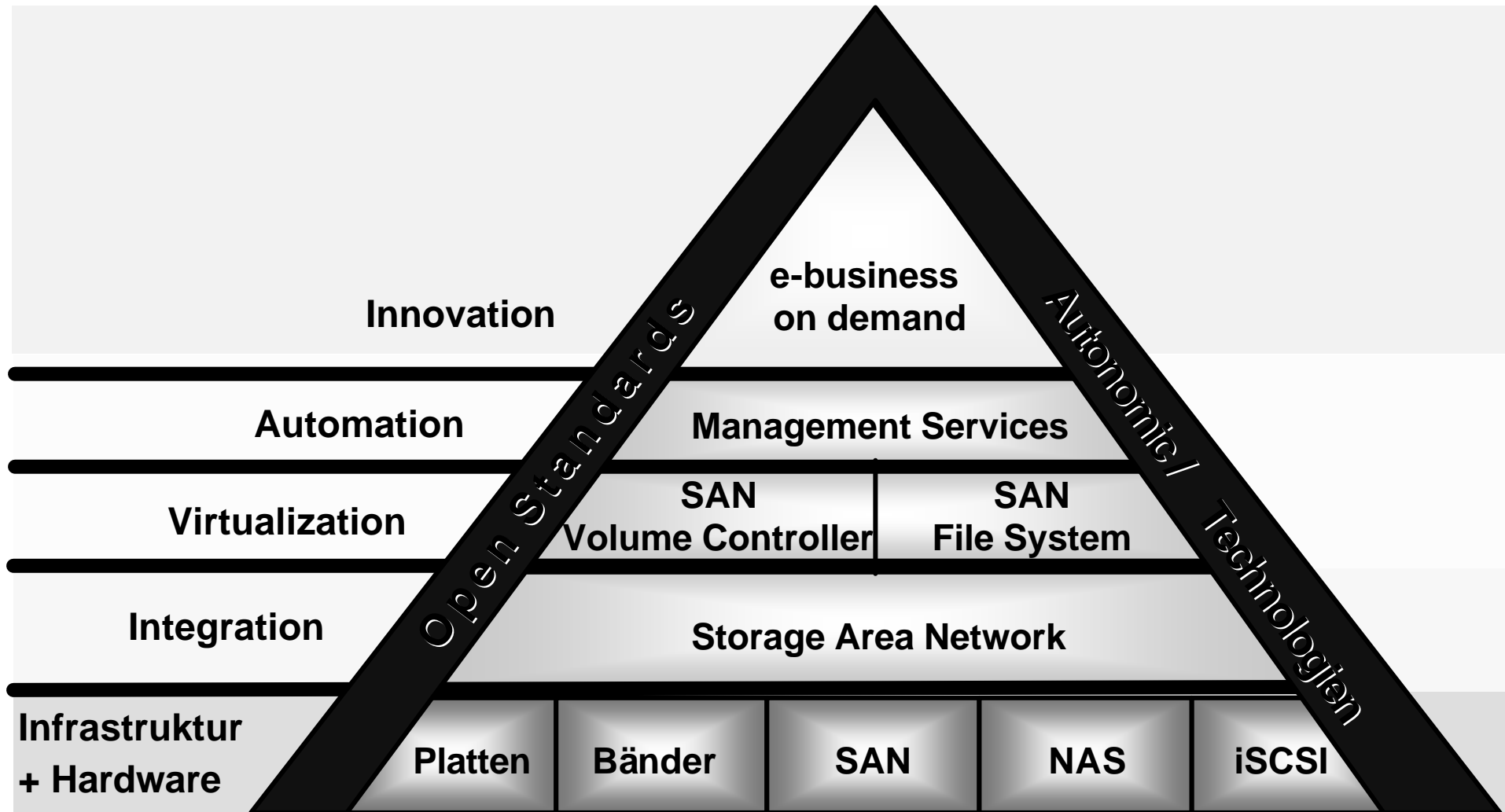
Neue Ankündigungen und Technologie Entwicklungen

IBM Strategie

Kurt Gerecke, IBM Storage Consultant

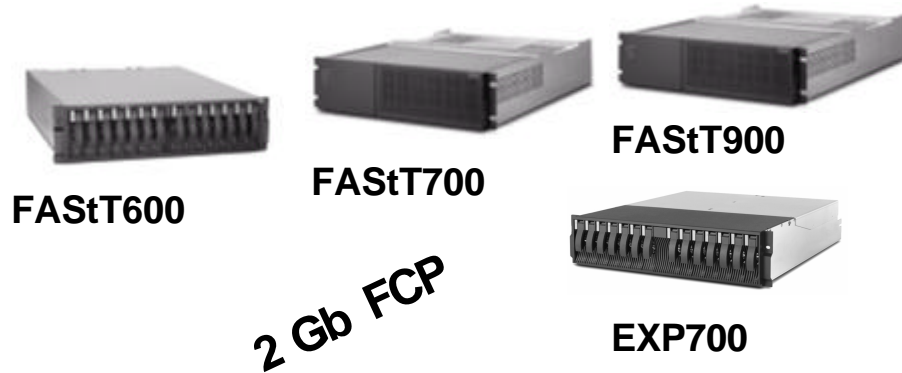


Storage on demand Strategie



Plattensysteme

➤ Fibre Array Storage Technology



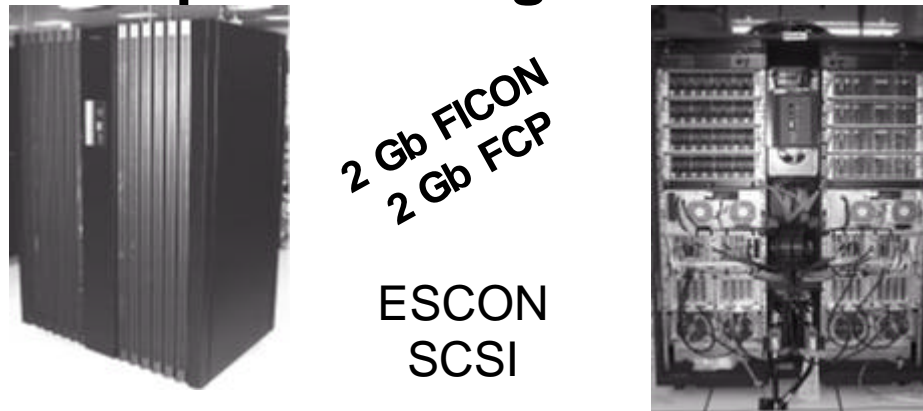
FAST 600-900: 6 TB bis 33 TB
FAST600 Turbo

- 40 – 70 % mehr Leistung
- Bis 16 TB

Fast Storage Manager 8.4



➤ Enterprise Storage Server

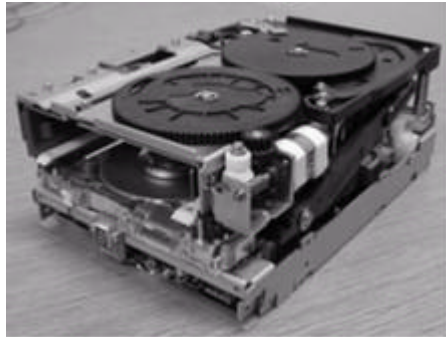


Unternehmensweiter Plattenserver bis 56 TB Plattenkapazität Preview:

- Arrays across Loops
- Modell 800 Turbo 2
- PPRC Remote Copy über 2 Gb FCP
- API für SMIS

Bandlaufwerke

➤ Linear Tape Open LTO 2



*2 Gb FCP
Single Port*

Neue Flat Lap Kopf Technologie

- 512 Spuren
- 200 GB native Kassettenkapazität

35 MB/S native Datenrate

64 MB Pufferspeicher

➤ New Enterprise Tape 3592



*2 Gb FCP
Dual Port*

Neue Flat Lap Kopf Technologie

- 512 Spuren
- 300 GB Kassettenkapazität
- Kassette für Folge-Generationen

40 MB/S native Datenrate

128 MB Pufferspeicher

Hohe Kapazität und "Fast Access"

"Virtuelles Back Hitch"

Bandarchive

➤ Linear Tape Open LTO 2



2 Gb FCP

von 10 TB bis 2.7 Petabytes

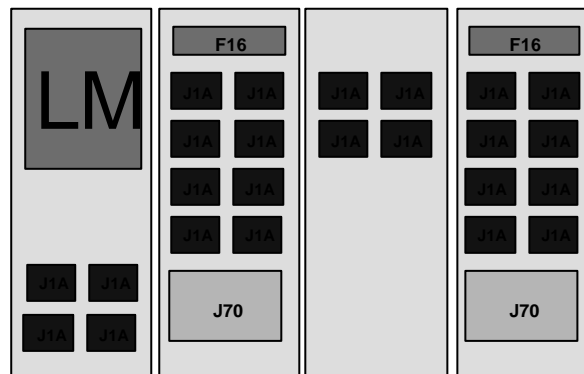
- 2 Gb FCP Laufwerke
- Multipfadarchitektur
- Partitionierfähig
- Open Systems

➤ 3494 mit New Enterprise Tape 3592



2 Gb FICON
2 Gb FCP

L22 D24 D22 D24



bis 1.87 Petabytes

- Open Systems, iSeries, Mainframe

Neue CU 3592-J70

- Vier 2 Gb FICON
- bis 400 MB/S

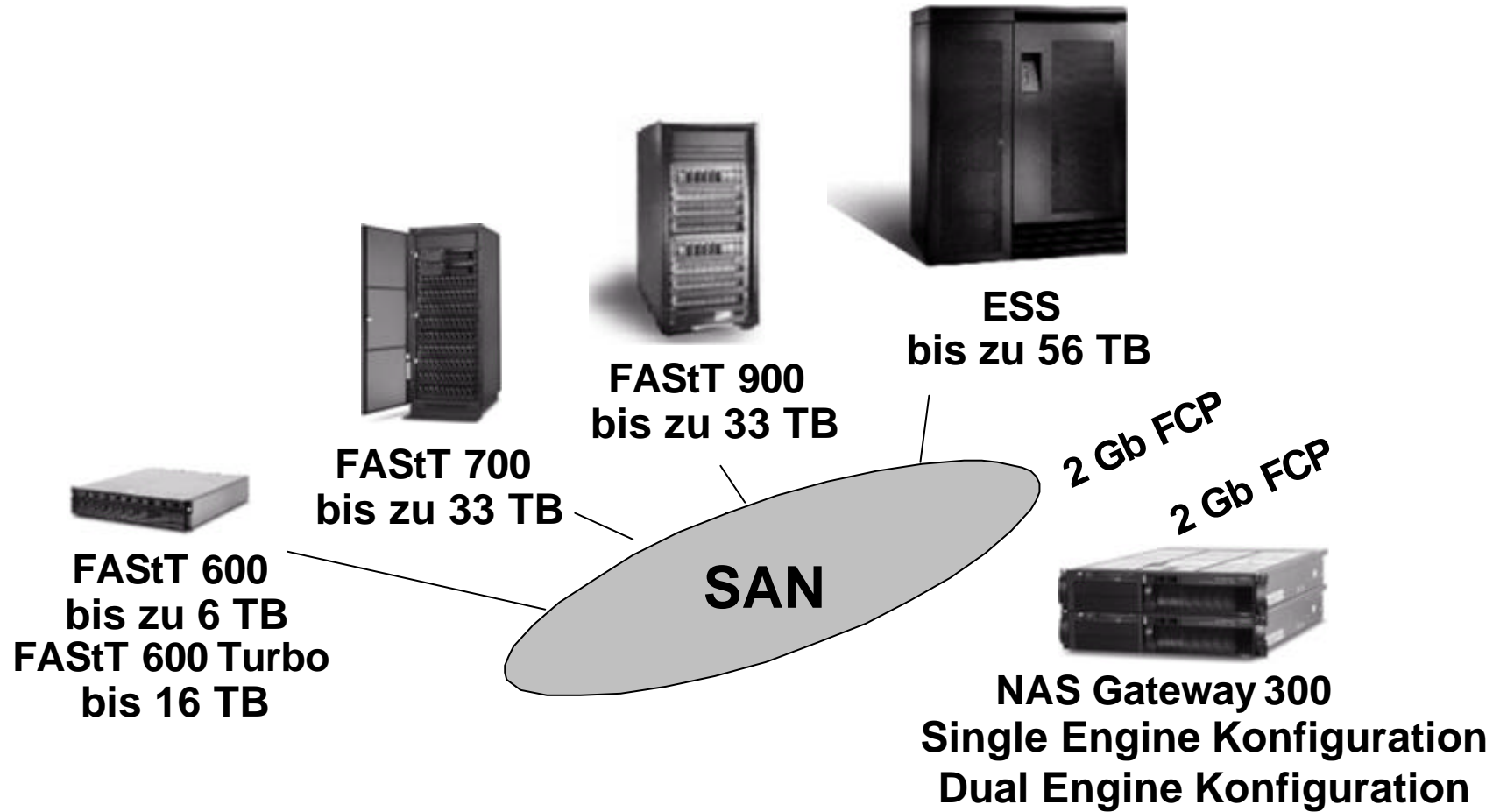
Virtual Tape Server

- Acht 2 Gb FICON
- FICON PtP VTS

IBM SAN Produkte (Brocade, McDATA, CNT, Cisco)

<p>Work Group Lösungen</p>	<p>SAN Switch F08 (3534-F08) 8 ports</p>	<p>(2031-E24/224) 8/16/24 ports</p>	<p>McDATA Sphereon 3000 (2031-232) 16/32 ports</p>	<p>CISCO MDS 9216 48 FC 2 Gbps ports; (2062-D01)</p>
	<p>SAN Switch F16 (2109-F16) 16 ports</p>	<p>SAN Switch F32 (2109-F32) 32 ports</p>	<p>McDATA Intrepid 6064 (2032-064) 64 ports</p>	<p>CISCO MDS 9506 128 FC 2 Gbps ports FCP,iSCSI,FCIP,VSAN (2062-D04/T04)</p>
	<p>SAN Switch M12 (2109-M12) 2 x 64 ports</p>	<p>CNT FC/9000 (2042-001/128/256) 64/128/256 ports</p>	<p>McDATA Intrepid 6140 (2032-140) 140 ports</p>	<p>CISCO MDS 9509 224 FC 2 Gbps ports FCP,iSCSI,FCIP,VSAN</p>
<p>Abteilungs- lösungen</p>				
<p>Enterprise Lösungen</p>				

NAS Network Attached Storage



iSCSI Lösungen

IBM Total Storage Proven

Cisco iSCSI Storage Router



ESS
bis zu 56 TB



FAST 900
bis zu 33 TB

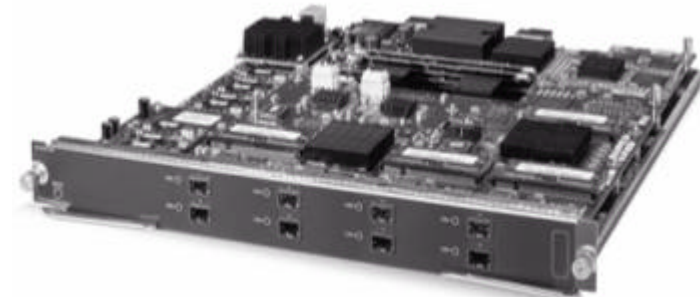


FAST 700
bis zu 33 TB



FAST 600
bis zu 6 TB
FAST 600 Turbo
bis 16 TB

2 Gb FCP



Cisco 8 Port IP Blades für MDS 9000
➤ iSCSI (FCIP)

SAN Virtualisierung SAN Volume Controller



2 Gb FCP

SAN Volume Controller SVC

- besteht aus 2 Nodes (I/O Group)
 - 2 IBM x-Series 355 1U Server
 - 4 x 2.4 GHz Prozessoren
 - 2 x 4 GB Cache
 - 4 x 2 Gb Full Duplex Interfaces

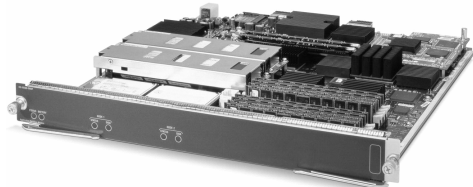
SIS Storage Integration Server

- 19 Zoll Rack Integration von
 - bis zu 2 SVC's
 - 2 x 2 Gb FCP Switches im Frontend
 - 2 x 2 Gb FCP Switches im Backend
 - bis zu 100 TB FASt Plattenkapazität

SVC für Cisco MDS 9000

- 2 Caching Service Module Karten
 - 2 San Volume Controller (SVC's)
 - 2 x 4 Prozessoren
 - 2 x 8 GB Cache

2 Gb FCP

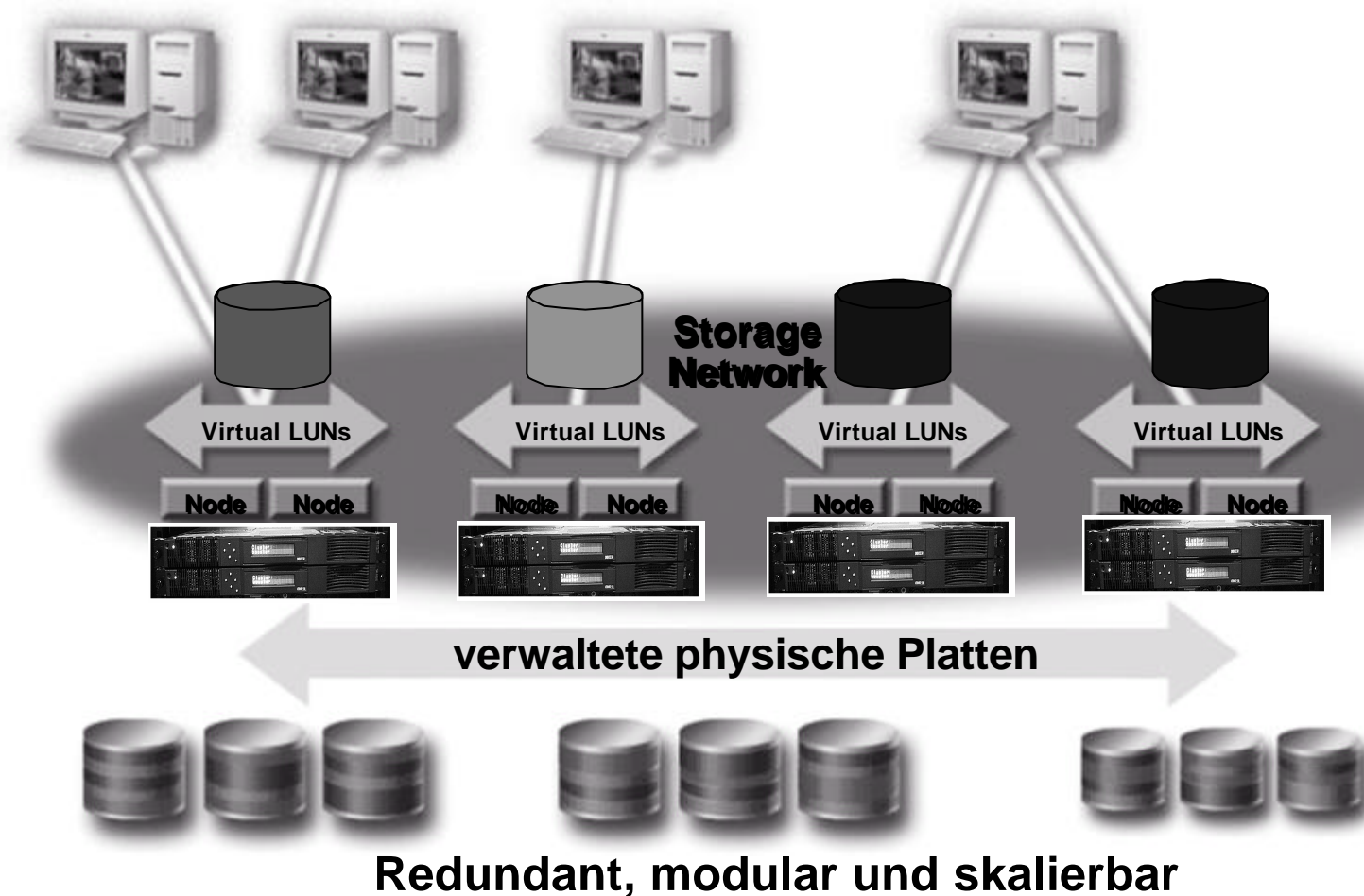


SAN Virtualisierung mit SAN Volume Controller

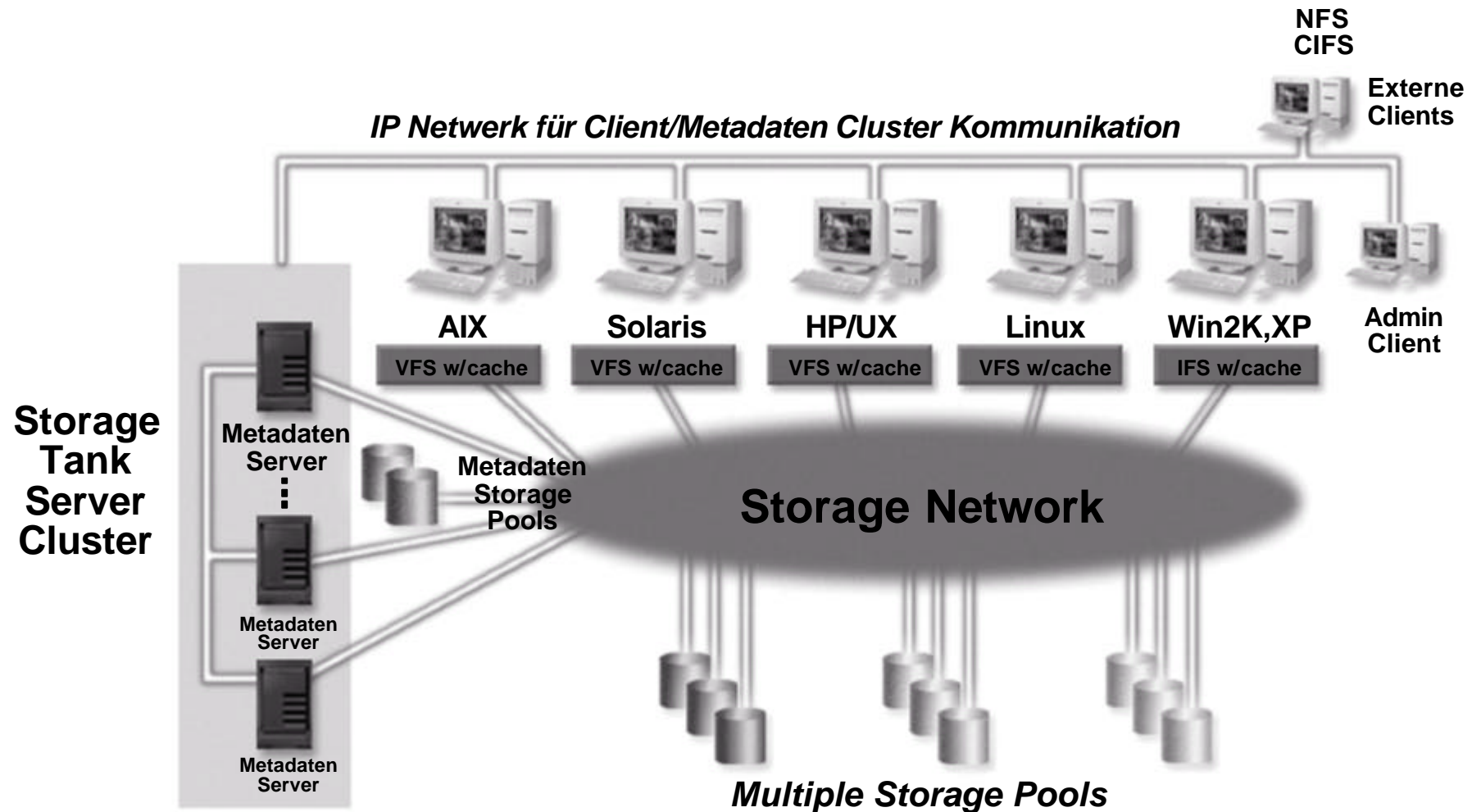
Intel, Unix
AIX, Linux,
HP-UX
SUN-SOLARIS

Brocade
McData
CNT (Inrange)
Cisco

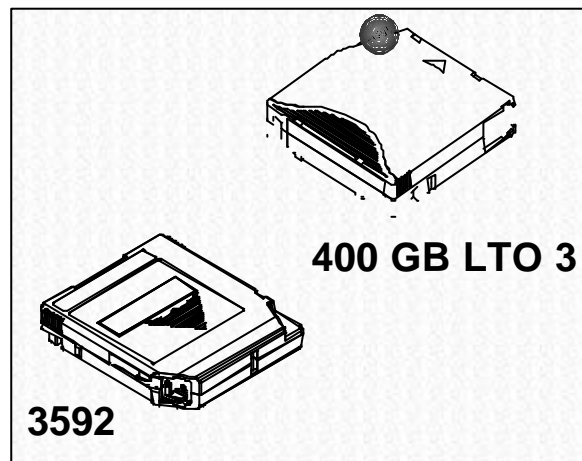
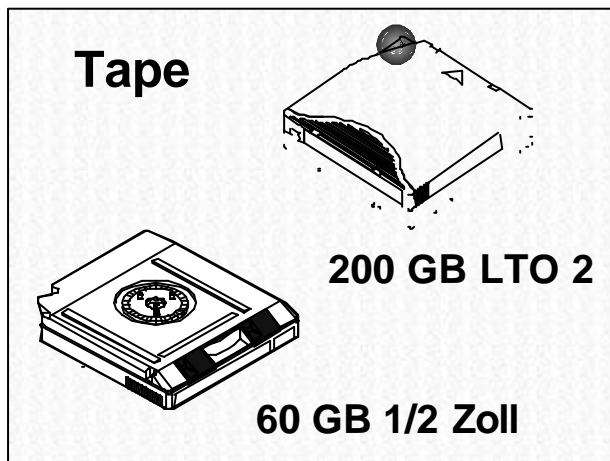
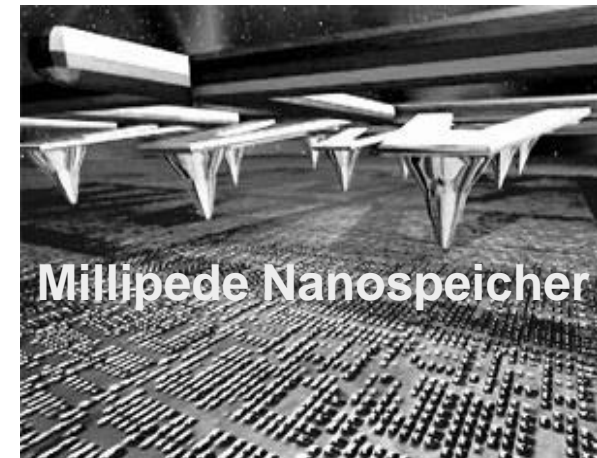
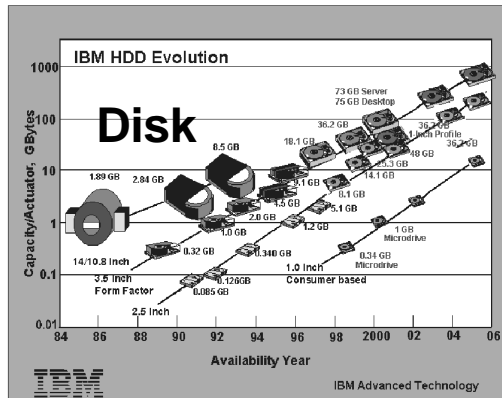
ESS, FASTT
HP
HDS



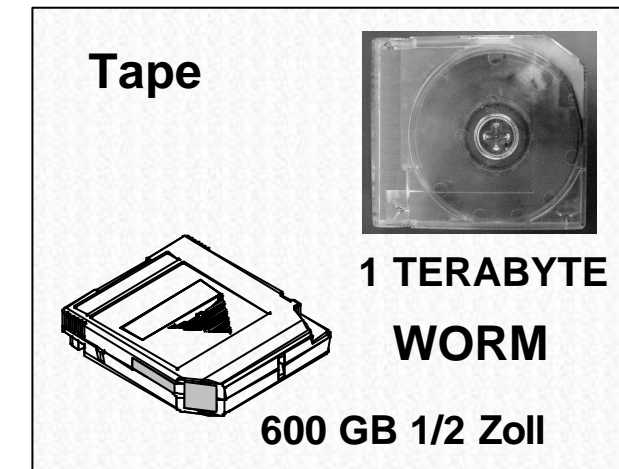
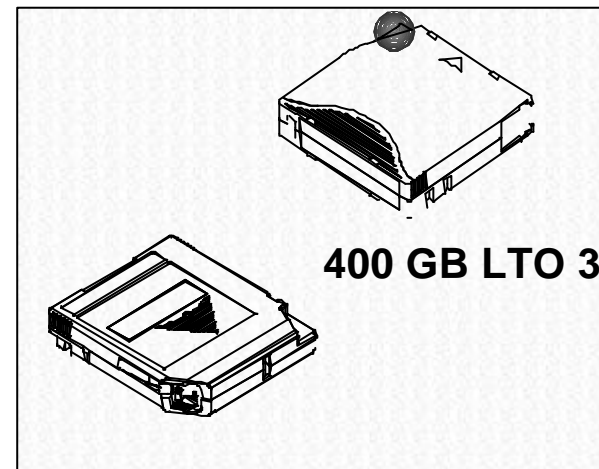
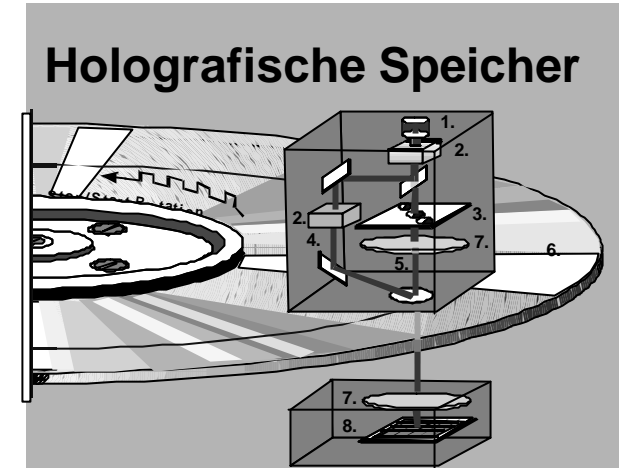
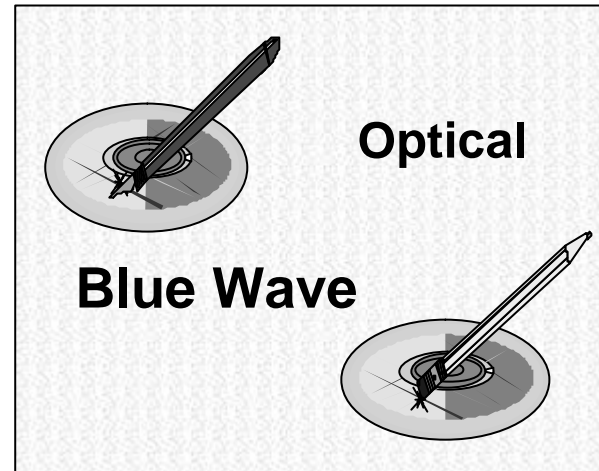
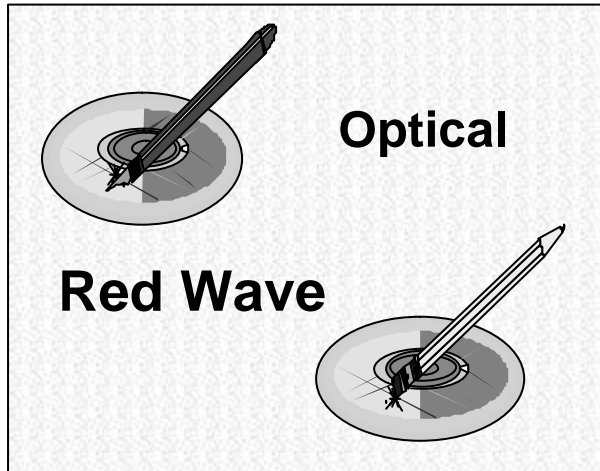
File Virtualisierung (Storage Tank)



Neue Technologien - Online / Backup



Neue Technologien - Langzeitarchivierung



Virtualisierung Zusammenfassung

