
CreoScitex
Brisque Serve family Overview
Thomas Metzeler,
Timna & Server Product Manager

Agenda

Establishing the need

Brisque Serve - Overview

SDD Overview

Peripherals

Configurations and Pricing

Demo

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As of January

- Not available as of January:
  - Server3000, Server5000, Timna, Timn@Web, EV5000
- New products:
  - Brisque Serve 1CPU — BETA, EP in February
  - Brisque Serve 2-6CPU — BETA, EP in February
  - Brisque Serve SW on Server 5000 — BETA in January
- All Brisque Serve contain:
  - Server, Brisque V4 modules, Timna, Timn@Web
- New Peripherals:
  - SAN - SDD Single and Dual
  - FC RAID - E800FC
  - AIT-2 Entry Level - TLS 4212
- New:
  - Trade-In program

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Establishing the Need

handle increasing amount of data

drive **faster** & **faster** output devices

all *digital* workflow

data management capabilities

backup production data

archive job and elements

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Questions to ask

Planning to expand (CTP ready, faster CTP devices) in the future ?

Need a powerful server ?

Need Archive ?

Want Data management ?

Reduce cost ?



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Yes, if...

two or more CTP devices,

3 or more GB of RIPed data per shift

30 x 8-up films/plates per shift

In peak times about

7.5 jobs per shift

60 pages per shift



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Introducing

Brisque Serve



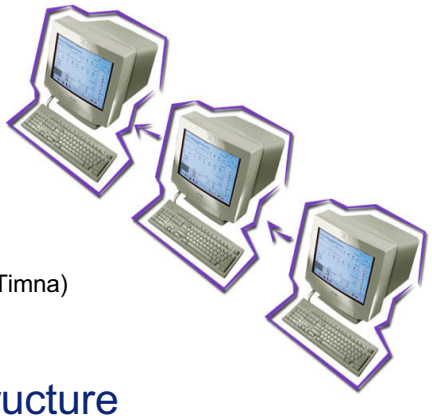
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Brisque Serve

Expands

the Brisque workflow

- Job and File management
- Backup
- Archive
- Production data management (Timna)
- File-processing



Uses the **same infrastructure**
and user interface

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CreoScitex Gives you Solutions!

- Specially adapted for the needs of a Brisque workflow
- Workflow productivity means more than just the workstation
- Encompasses hardware, software, networking, peripherals:
  - Enjoy the best of all possible worlds



Software Features

Brisque processes

Normalizer
PDF2GO
IMPO2GO
ExportPS
Color2disk
InkPro
Combine
Merge
Store
Send

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Additional Software Features

OPI and APR workflow

Full Helios 2.6 support, Ethershare, OPI, PDF Handshake

CreoScitex Translator

All file formats, Brisque Jobs + Pages, JPEG, Tiff/IT

Media Management

TransferPro and MediaManager

Centralized Print and Font server

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Additional Software Features

Timna

Production Data Management

Timn@Web

Internet access

Automation

Create Pipeline job tickets

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Workflow Influence

Free Up your Brisque

OPI and APR server

Archive

Backup

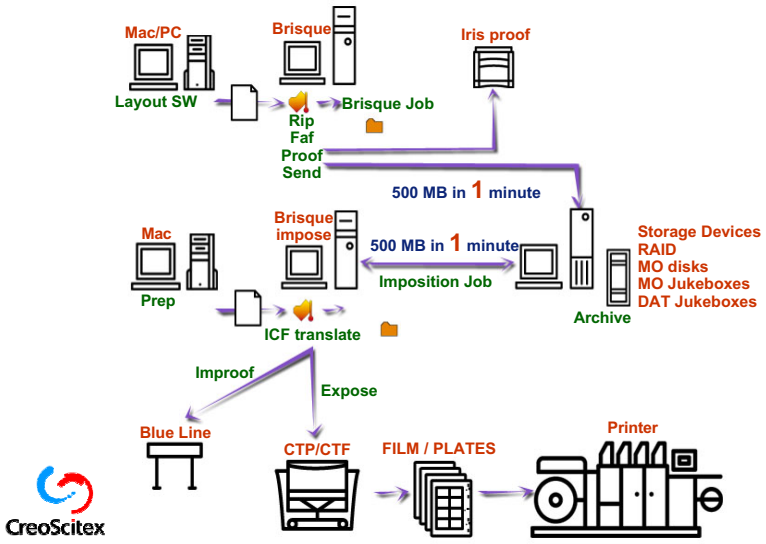
Production Data management

Increase productivity

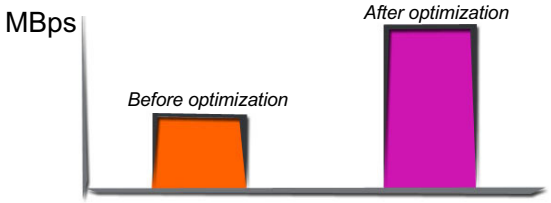
Shorten production time

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Enhanced Imposition Workflow



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Note: The test portrays data transfer rate between server and Brisque while server is fully loaded

Large Logical Volumes

Multiple network interfaces

On site customization

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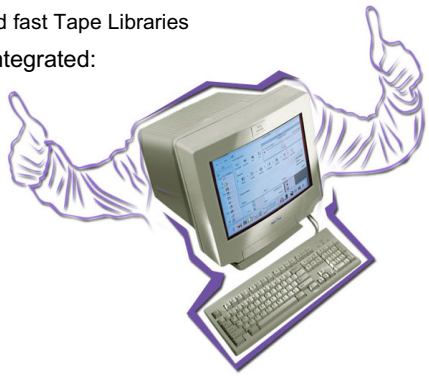
More Strength

Storage devices:

- On Line: Large and fast Fibre Channel RAID
- SAN (Storage Area Network) appliance
- Near / Off Line: Large and fast Tape Libraries

Peripherals are closely integrated:

- For Compatibility
- For Performance
- For Reliability



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Brisque Serve Hardware

Brisque Serve

- 64-Bit architecture
- IBM Power3 and Power4 copper chip
- Up to 6 CPU's
- Up to 2 GB memory
- 18 GB system disk
- 36GB DB disks
- FibreChannel adapters
- Gigabit (Copper and Fibre)



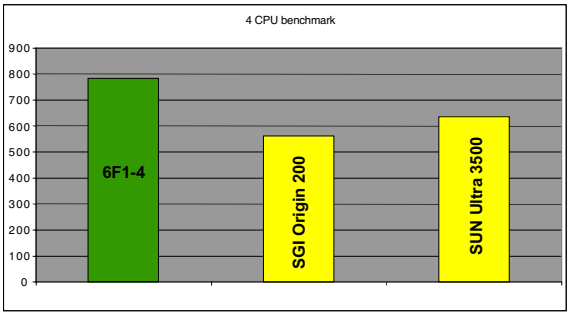
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Brisque Serve Competition

	6F1	Sun Enter 3500	Sun Enter. 450	SGI Origin 200
Processors	2-6	2-6	1-4	2-4
Dynamic Processor deallocation	Yes	No	No	No
Clock rate (single)	450Mhz-668MHz	400-464 MHz	400-480 MHz	360 MHz
Memory	up to 32 GB	up to 16 GB	up to 4 GB	up to 4 GB
Chipkill	Yes	No	No	No
Internal storage	up to 509 GB	up to 145 GB	up to 728 GB	up to 432GB
Hot swap disks	Yes	Yes	Yes	Yes
External storage	up to 15 TB	up to 10 TB	up to 2 TB	3.5 TB
1000BaseT	Yes	Yes	Yes	Yes
Fiber channel (optional)	Yes	Yes	Yes	Yes
LVD SCSI	Yes	Yes	Yes	No
Service processor	Yes	No	No	No
System bandwidth	7 GBps	3.2 GBps	1.78 GBps	1.15 GBps
PCI slots	10	8	10	3 (x2)
Hot-Plug PCI	Yes	No	No	No
Hot Plug Power-supply and Fan	Yes	Yes	No	No
Price (for 4CPU)	$ 80,000	$ 114,500	$ 70,000	$ 70,000
Price (for 6 CPU)	$ 135,000	$ 170,000	N/a	N/a

Brisque Serve Competition

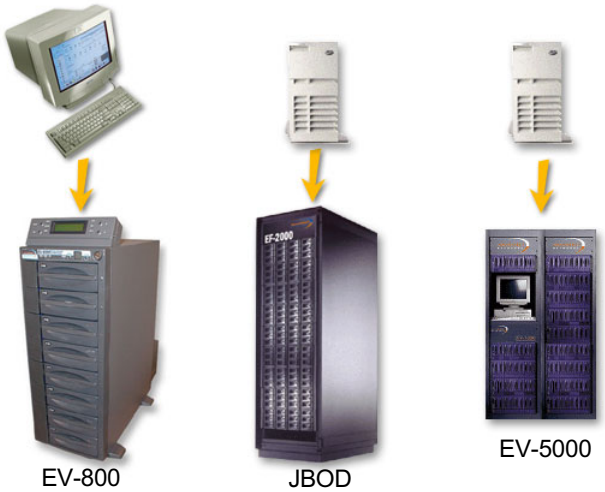
4-CPU Server benchmark, IBM, SUN, SGI



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The Future of Prepress Workflow Storage: SAN
Thomas Metzeler,
Timna & Server Product Manager

Storage: Fibre Direct Connect



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Storage Area Network (SAN)

High availability
Composition of data
Backup window
Total Cost of Ownership (TCO)
Protect investments
Resolves client-server bottlenecks
Adds client-server scalability



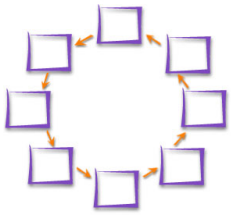
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Fibre Topology



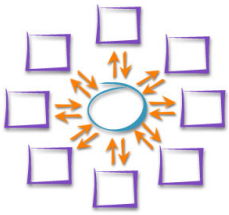
Point-to-point

- RAID controllers and cache are optimized for operation in point-to-point applications



Arbitrated loop

- Performance limiting, shared bandwidth



Switched Fabric

- Serial port connectivity
- 100 MB/sec single port performance with scalability and flexibility
- Switching latency
- Port contention

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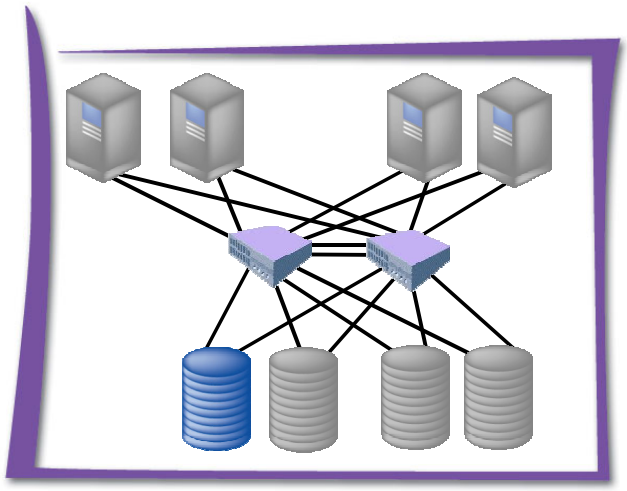
Next Generation Fibre Topology



- SAN appliance
- High availability
- Consolidates SAN management
- Consolidates storage
- Virtualizes storage
- Highest levels of scalability
- 800 MB/sec throughput per domain
- Reduce Backup window
- Powerful security
- Relieves stress on the LAN
- Up to 73TB of Storage

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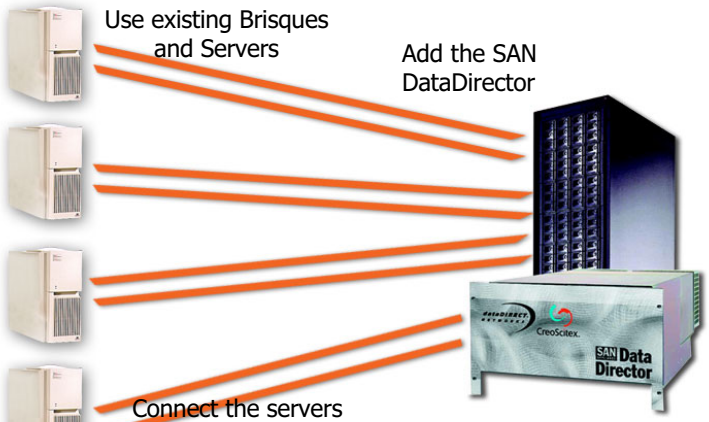
Pre SAN Appliance Implementation



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Add switches
Add GBIC's
Add cabling
Add HBA's
Add RAID
Add cache
Add servers
Add storage
Add connectors
Add management software
Add LUN Zoning
Add LUN Masking
Configure striping
Match firmware levels
Match driver levels
Troubleshoot

SDD Implementation



SDD is more than a “simple” RAID

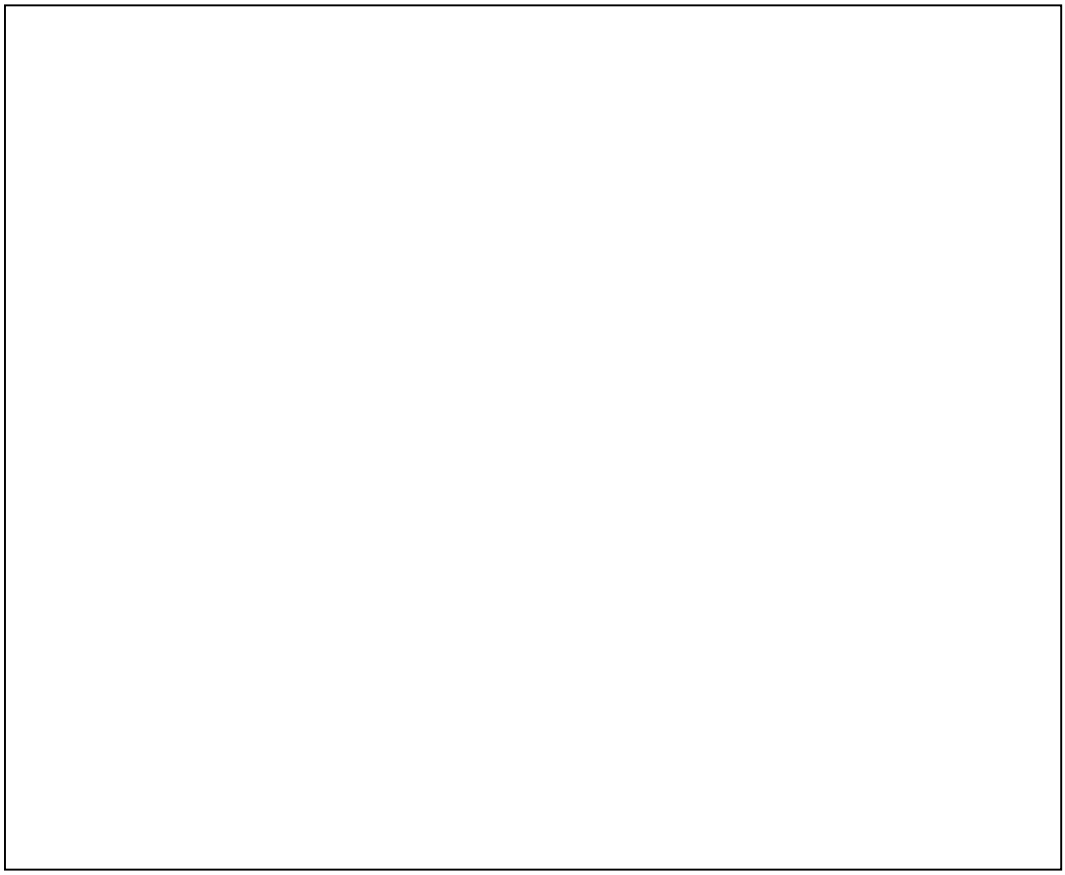
High Speed traffic director with port and path virtualization

Massively parallel cache-centric I/O engine

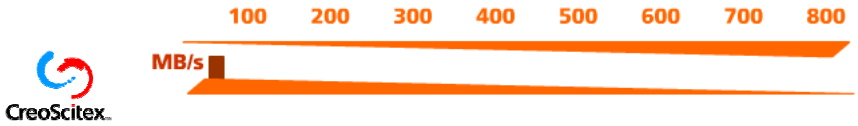
Distributed architecture that eliminates

- contention
- hot spots
- switch latency
- point to point bottlenecks

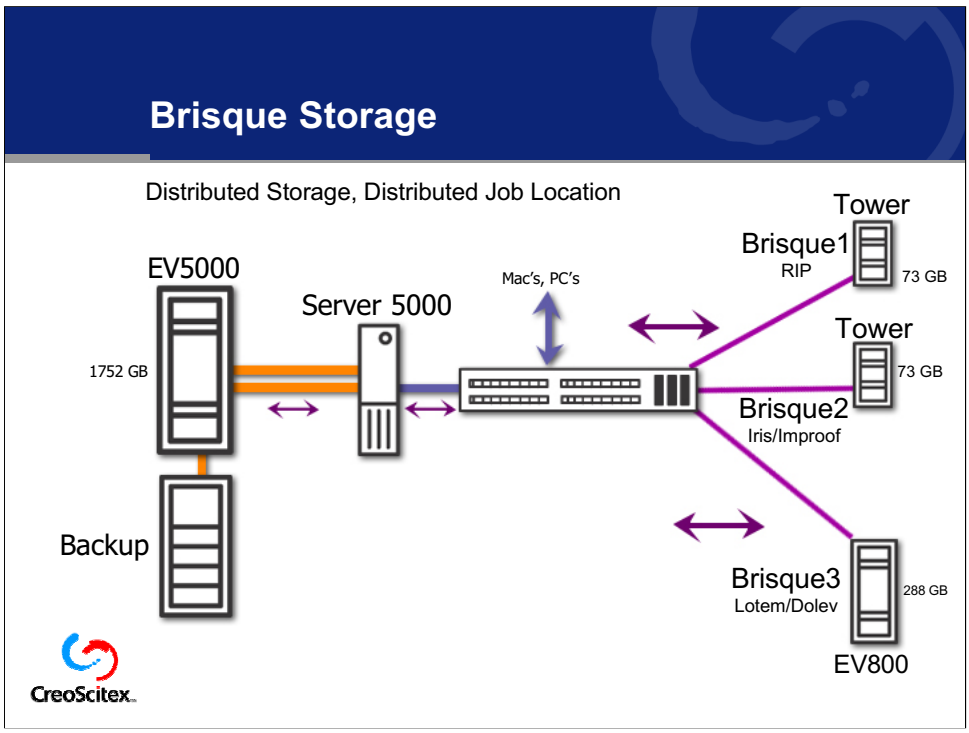
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SDD: Optimize Bandwidth

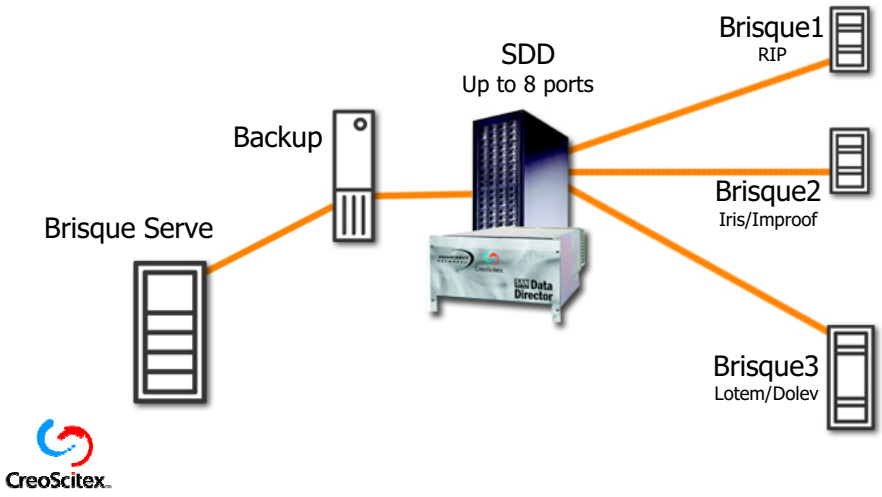


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Brisque Storage
Distributed Storage, Distributed Job Location
EV5000
1752 GB
Server 5000
Mac's, PC's
Backup
Tower
Brisque1
RIP
73 GB
Tower
73 GB
Brisque2
Iris/Improof
Brisque3
Lotem/Dolev
288 GB
EV800
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Brisque Storage with SDD Phase1

Consolidated Storage, Guaranteed FC performance, Administration



SDD in a Brisque environment

Improve the throughput of Brisques by up to 200%

Consolidate data storage.

Allocate capacity where it is needed



SDD in a Brisque environment

Reduce the total cost of ownership (TCO)

Storage is Always Available

Reduce the Backup Window.

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Brisque Serve
The all new product for Server, Timna and Storage
Configuration and Pricing for CSE

Price

Positioning of Brisque Serve with new configuration and build-in options to answer price issues.

Ex: Server5000-4, Timna, Timn@Web, Gigabit, 768MB RAM, 2x9GB drives was: Euro 88K

Now: Brisque Serve Quad (6F1)

with Timna, Timn@Web and Brisque modules (Normalizer, ICF, Tiff-it, …..), Gigabit, 1.5GB RAM, 3x36GB drives:

Euro 76K

And this is for 4x450MHZ revolutionary IBM power3 copper chip!

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Price

New entry Level Price point

Ex: Server3000, Timna, Timn@Web, 512MB RAM, 2x9GB drives was: Euro 51K

Now: Brisque Serve (44P) with Timna, Timn@Web and Brisque modules (Normalizer, ICF, Tiff-it, …..), Gigabit, 512MB RAM, 2x36GB drives:

Euro38K

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All new Brisque Serve

PRO SERIES

- Brisque Serve (44P) - 501R49624 - Euro 37,778
  - 1-CPU, 512MB Ram, 1x18, 2x36, Gigabit, Timna, Timn@Web, Brisque modules

PERFORMANCE SERIES

- Brisque Serve Dual - 501R49625 - Euro 56,667
  - 2-CPU, 1GB MB Ram, 1x18, 3x36, Gigabit, Timna, Timn@Web, Brisque modules
- Brisque Serve Quad - 501R49626 - Euro 75,556
  - 4-CPU, 1.5GB MB Ram, 1x18, 3x36, Gigabit, Timna, Timn@Web, Brisque modules
- Brisque Serve Sext - 501R49627 - Euro 127,500
  - 6-CPU, 2GB MB Ram, 1x18, 3x36, Gigabit, Timna, Timn@Web, Brisque modules

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Additional RAID Solution

EV800 Fibre Channel

- 8 x 36 GB discs
- 288GB of gross capacity
- 216 GB of (approximate) working capacity

501R49358 - Euro 28,086

- 8 x 73 GB discs
- 584GB of gross capacity
- 438 GB of (approximate) working capacity

501R49359 - Euro 39,415



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Additional Tape Solution

AIT-2 technology

100GB tapes

Choose from:

- 1, 2, 4, or 6 Drives
- 12 to 600 slots

Up to 60TB

Up to 336 GB/hour



New entry level AIT library:

TLS 4212 (1 drive 12 slots, upgradeable to 2 drives 22 slots)

501R49575 - Euro 16,400

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NEW: SAN Solution

SDD SAN appliance
Up to 800 MB/sec
Up to 8 Hosts
Built-in SAN infrastructure
Scalability (from 360GB to > 4.3TB)
Fully Redundant



Entry level SDD:
Single SDD with 20x36GB
501R49528 - Euro 110,000

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NEW: Trade-in

Trade-in legacy RAID from DDN (former Megadrive) and DLT libraries from Breecehill.

Motivation: Bring in new equipment, up-sale the customer and reduce support overhead.

Valid for:

- MR10, MX500, E200 RAID systems, when choosing EV800
- Breecehill Q2.15 and Q47, when choosing AIT-2 library
-EV1000/5000 when choosing SDD

Can be combined with new platform for up-selling server customer

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NEW: Trade-in

	Product	Partnumber	Price in Euro	Trade-in Price	Effective discount
Raid	EV800LVD - 288GB	501R49356	€ 25,285	€ 22,900	9%
	EV800LVD - 584GB	501R49357	€ 34,933	€ 31,500	10%
	EV800FC - 288GB	501R49358	€ 28,086	€ 27,500	2%
	EV800FC - 584GB	501R49359	€ 39,415	€ 35,000	11%
Tape	Qualstar 22S,2D Deskside	501P40633	€ 32,722	€ 24,500	25%
	Qualstar 84S,4D Deskside	501P40635	€ 61,230	€ 45,900	25%
SAN	Dual SDD 4Ports 20x36-CS/	501R49584	€ 191,722	€ 165,278	14%
	Plus 2 x 9x73GB drives	501R49594	€ 26,444		
	'Dual SDD 4Ports 20x73-CS	501R49530	€ 227,367	€ 184,867	19%
	Plus 2 x 9x73GB drives	501R49594	€ 42,500		

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Thank You!