

Application

BRIEF

- Improves performance of E-mail applications 200% to 800%
- Reduces Total Cost of Ownership of transaction-intensive applications on a per-transaction basis
- Scalability allows transaction performance requirements to grow quickly

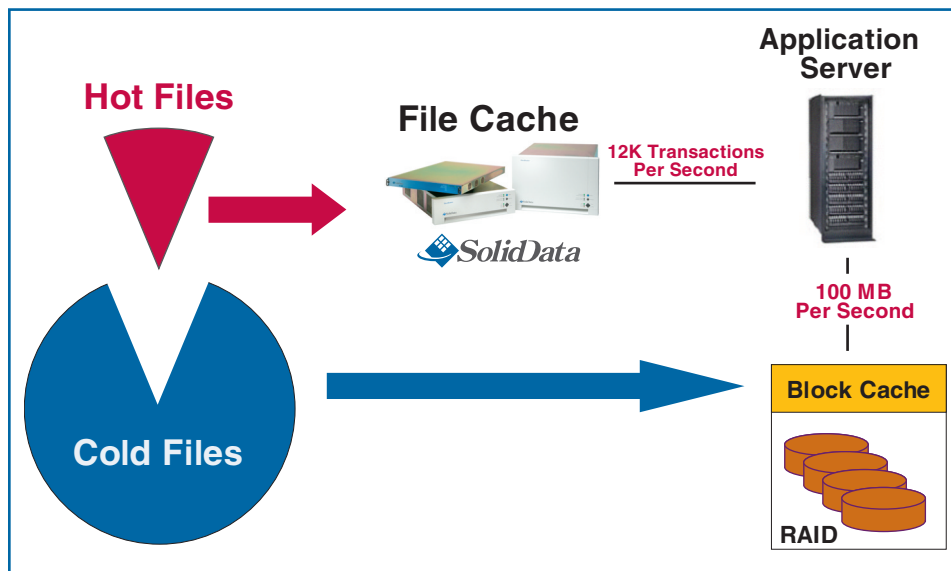
E-mail Services & Solid Data File-Cache

Solid Data Systems is the leading global provider of file-caching appliances that turbocharge the performance of transaction-intensive applications. Solid Data's unique offerings combine software and hardware functionality to enable customers to achieve dramatic performance improvements in I/O-intensive E-mail applications such as E-mail Message Relay, Message Store and Directory services.

Most mobile E-mail Services share similar characteristics:

- Business-critical service
- 24 x 7 availability required
- Large number of small data records to be processed
- Random access to the application by customers
- Fast growing demand for the service / application
- Transaction-intensive applications
- Real time processing necessary

E-mail services are the ideal application profile for solid-state file-cache. Solid Data file-cache delivers high performance storage solutions that enable applications to process significantly more transactions while greatly improving cost-performance ratios. By placing the files that are constantly being used by the application ("hot files") on the solid-state file-cache, the file-cache architecture eliminates mechanical latency of traditional disk arrays (RAID), as illustrated below.



E-mail applications that significantly benefit from placing hot files on Solid Data file-cache include:

- Message Relay queues
- Message Store System file system journals
- IMAP server mailboxes file
- Directory
- Message Store System redo logs, rollback segments, and database indices

Examples of organizations today using Solid Data file-cache with their E-mail solutions include:

- Critical Path
- Excite@Home
- Prodigy
- Juno On-line
- University of North Carolina

Solid Data provides high-performance infrastructure to enable optimized architectures for e-mail and computer messaging.

Example Configuration - E-mail

Without SSD File-Cache



- Performance:
- Message throughput: 518,000 / day
- Cost:
- Cost of solution: \$2.2 million
 - Cost per message: \$0.018

With SSD File-Cache



- Performance:
- Message throughput: 4.1 million / day
- Cost:
- Cost of solution: \$2.7 million
 - Cost per message: \$0.0018

700% Increase Throughput
85% Decrease in Cost per Message

Product Specifications:

	Excellerator e-100	Excellerator 800	Excellerator 1000
Min. and max. capacity	1 GB to 2 GB	1 GB to 10 GB	1 GB to 34 GB
Product height	4.45 cm/1U	13.34 cm/3U	31.12 cm/7U
Interface	HVD or LVD SCSI (40MB/sec)	FC-AL/FC-SW Direct Fibre Connect HVD or LVD SCSI(40MB/sec)	FC-AL/FC-SW Direct Fibre Connect HVD or LVD SCSI(40MB/sec)
Redundant power supply	No	Yes	Yes
On-board UPS	Yes	Yes	Yes
Automatic data retention	Yes	Yes	Yes
Remote Monitoring and Reporting (RMR 2.0)	Yes	Yes	Yes
MTBF	> 2 million hours	> 2 million hours	> 2 million hours

For more detailed product information, please visit us at www.soliddata.com/products

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