

EMC – Precise

The Big Picture

Partner products

- Precise for Storage Tiering
- Precise for Storage Tiering plus Applications
- Business Storage Tiering Optimizer

EMC products

- EMC Symmetrix
- EMC CLARiiON

Solution highlights

- Optimizes storage performance of critical business transactions including OLTP, batch, or B2B
- Predicts the performance impact of data migration to SATA, HDD, or EFDs
- Identifies high-priority data to help cut costs through business storage tiering
- Isolates hot devices to help reduce storage collisions and more evenly distribute load
- Correlates performance problems for one application, transaction, or device with other transactions to avoid collateral damage

Optimize business transactions for performance and cost savings

Precise has helped thousands of customers worldwide optimize business transactions for both cost and performance. Precise offers application performance management solutions that deliver visibility and control to help IT master complex application environments and solve the right problem using the right resources at the right time.

Precise has developed an EMC® edition of their Precise for Storage™ product, Precise for Storage Tiering™, which integrates with EMC Symmetrix® and CLARiiON®. This edition provides a sophisticated performance management solution for EMC arrays and adds a robust storage tiering solution to help customers maximize the ROI for Enterprise Flash drives (EFDs).

EMC Fully Automated Storage Tiering (FAST) automatically tiers in virtual data centers by moving the high-performance workloads to Enterprise Flash drives and the less-demanding workloads to SATA drives. FAST optimizes performance and minimizes costs in tiered environments. Precise is complementary to EMC's FAST offering; the application performance information provided by Precise can help set the policies for FAST related to what percentage of an application should be on Flash, Fibre Channel, or SATA drives.

The increase in demand and importance of storage has made achieving high performance at a low cost difficult. Optimizing storage for both performance and cost is achieved through storage tiering—moving business-critical data to faster drives, and less important data to lower tiers. EMC Flash drives enable customers to recapture wasted capacity and cut operational expenses. Knowing which data to allocate to this faster and more expensive tier requires extensive knowledge about the value of the data.

Bringing business awareness to storage

To an application owner, storage can be a black box. To the storage administrator, business requirements and priorities are similarly difficult to determine. This lack of transparency between business and IT—along with a lack of comprehensive storage performance management tools—makes understanding the effect that poor storage performance has on application performance difficult.

Precise for Storage Tiering provides a sophisticated Transaction Performance Management (TPM) solution to track business transactions deep into EMC storage arrays. By correlating business transactions with the files, devices, or disks being accessed, Precise TPM brings business awareness to storage.

Precise for Storage Tiering gives customers the information they need to map their enterprise application data to the “right” storage solution (EFDs, short-stroked 15K RPM, or SATA).

Precise solutions for EMC

Precise for Storage Tiering

Precise for Storage Tiering collects information about database activity and correlates it to the files, devices, or disks being accessed. This information is stored in the Precise performance management



database (PMDB™) and used to report on performance over time, helping IT isolate performance problems and pinpoint root cause in either the database or storage tiers.

Precise for Storage Tiering plus Applications

Precise for Storage Tiering plus Applications extends this visibility beyond the database and storage to encompass the entire end-to-end business transaction. Detailed performance diagnostic data collected from application (SAP, Siebel, PeopleSoft, Oracle E-Business, or custom J2EE/.NET), database, and storage tiers is stored in the Precise PMDB and correlated back to the initiating user or batch transaction. This additional level of visibility enables IT to isolate and correct performance problems anywhere in the stack.

Business Storage Tiering Optimizer

Once collected, the historical performance information from the PMDB is used by our Business Storage Tiering Optimizer. The Optimizer has been equipped with detailed models representing the performance characteristics of various EMC storage products, such as EFDs or SATA drives. By feeding historical PMDB data into these models, the Storage Tiering Optimizer accurately predicts the performance impact of any planned data migration at the disk, device, file, or object level. This helps customers choose storage tiering strategies that maximize performance and minimize cost.

About EMC

EMC Corporation is the world's leading developer and provider of information infrastructure technology and solutions that enable organizations of all sizes to transform the way they compete and create value from their information. Information about EMC's products and services can be found at www.EMC.com.

About Precise

Precise delivers transaction transparency, fastest time to repair and game-changing problem prevention to customers worldwide. With Precise, business and IT can clearly see where critical transactions spend time and how well they are performing against business expectations, providing a whole new perspective on complex IT infrastructure. Visit www.precise.com for more information.



EMC Corporation
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America 1-866-464-7381
www.EMC.com

Take the next step

For more information on how EMC and Precise solutions work together to optimize your business transactions, contact your EMC or Precise representative—or visit our websites at www.EMC.com or www.precise.com.