

EMC and Precise for SAP Applications

The Big Picture

Partner product

- Precise for Storage Tiering

EMC products

- EMC CLARiiON
- EMC Symmetrix

Solution highlights

- EMC storage tiering technologies and solutions applied to existing SAP infrastructures can deliver higher performance at lower costs
- Precise software identifies specific application performance bottlenecks and determines where the fastest tiered storage resources will have the biggest business impact

Optimize SAP application performance with solutions from EMC and Precise

SAP users demand high transaction and reporting performance with zero tolerance for system slow-downs or downtime.

As SAP systems and databases become larger and more complex, it is increasingly difficult for SAP Basis, application performance, and storage teams to identify, resolve, and mitigate performance bottlenecks when they occur.

As a result, scarce IT resources and budgets are wasted and important projects are put at risk. The typical response to application performance issues resembles a fire drill with a lot of finger pointing and manual, invasive, and error-prone troubleshooting activities. This is an expensive and time-consuming way to do business.

SAP administrators and application owners need a solution to easily optimize SAP application performance while lowering costs. EMC and Precise deliver that solution.

EMC tiering solutions

Applying EMC® storage tiering technologies and solutions to your existing SAP infrastructure enables you to obtain higher performance at lower costs without modifying and tuning application code, modifying physical database schemas, or making large investments in new server infrastructure.

EMC Symmetrix® and EMC CLARiiON® storage systems offer “in-the-box” tiering solutions that include different drive technologies (Enterprise Flash drive (EFD), Fibre Channel (FC), and SATA) that consolidate multiple tiers of applications in a single frame. By optimizing the placement of data on each of these tiers, you can dramatically improve performance while simultaneously reducing storage costs.

Optimizing SAP transactions with Precise

According to many SAP storage teams, transactions use as much as 75 percent of their time in the database and storage tiers. With Precise for Storage Tiering, you can eliminate these performance bottlenecks and optimize your storage investments.

By correlating SAP transactions with the users, transaction codes, databases, devices, files, or objects being accessed, Precise enables EMC customers to quickly identify and eliminate performance bottlenecks.

Precise software offers a way to track the business context for transactions deep into storage and pinpoint the root cause of any performance problems encountered.

Designed exclusively for use in EMC Symmetrix and CLARiiON environments, Precise for Storage Tiering tracks the path of transactions through all tiers of virtual and physical infrastructure, storing both the business context and performance details in a Performance Management Database (PMDB).

Precise software complements the SAP Solution Manager by securely capturing and automating the correlation of all relevant performance information in SAP production environments—as activities are happening—around the clock. And it does this while keeping system overhead low.

Precise is a highly comprehensive transaction performance management solution that covers all key SAP applications and technologies including ECC, Portal, BW, ABAP, J2EE, .Net, database, and storage.



Precise SAP Performance Assessment

The Precise SAP Performance Assessment for EMC is a diagnosis of SAP system and storage performance that can be used as a baseline and referred to over time, or as a root cause analysis tool for SAP performance troubleshooting and monitoring.

By using best practice assessment methodologies and toolkit, specifically focused on performance management, Precise readily identifies performance problems and can more easily determine the root cause of those problems throughout your application's infrastructure.

This best-practices assessment helps you immediately realize performance and productivity improvements.

Predicting the business impact of storage tiering

Precise software's ability to connect business transactions with the infrastructure that supports it can be used to magnify the benefits of EMC tiered storage. With Precise for SAP and the Business Storage Optimizer, you can trace transaction performance problems from the user down to the physical storage device. Performance information collected on SAP transactions is fed into models of EMC device performance. This capability enables you to predict the impact that data migration to different EMC storage tiers (EFD, FC, or SATA) will have on business transaction performance.

Precise for Storage Tiering enables the right data to be assigned to the optimal storage tier according to business value, performance impact, and cost considerations. This capability enables you to target EFD implementations where they provide the most compelling return on investment, or conversely, to use more cost-effective storage options such as SATA when business transaction performance requirements are lower.

These capabilities are only available to EMC and backed by Precise, a proven market-leading EMC Select Partner.

With Precise and EMC, companies are able to successfully target data to the appropriate tier of EMC storage in anticipation of critical business workloads, yielding a substantially higher performance and higher return on their overall storage investments.

EMC and SAP

EMC's long-standing partnership with SAP provides a proven path for SAP applications and SAP IT infrastructures to be more efficient, compliant, and effective resulting in reduced infrastructure and operational costs. EMC delivers enhanced flexibility, accelerated deployment, and time to value for SAP solutions. EMC is an SAP Global Partner and a charter member of the SAP Green IT Community and Virtual Community, and an SAP adaptive council member.



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Take the next step

Discover more about how EMC and Precise can help you optimize your SAP transactions by visiting www.EMC.com/sapsolutions or sending an e-mail to SAP_Solutions_Practice@emc.com.