



SAS® Scalable Performance Data Server

Unlocking the door to speedy information delivery

Anyone who has ever stood at the back of the airport check-in line while his or her flight starts boarding knows the problems that inefficiency can breed.

Often, a lone attendant checks in passengers, while other airline employees stand idly by and the line moves at an agonizing crawl. The ideal solution would be to put the idle employees to work, creating additional lines to process tickets and luggage in considerably less time.

The same concept applies to enterprise data storage and retrieval. Every storage system provides some mechanism for queuing and processing data — but what happens when the queue gets too long and there aren't enough lines for processing? Information delivery — and the ability to make quick business decisions — comes to a halt.

Storing large volumes of data and providing decision makers with quick access to the information they need without hampering system performance poses a major challenge for many IT managers.

Traditional relational databases, originally designed for transactional processing, cannot provide speedy, ad hoc access to subsets of information from large enterprise data stores. Most traditional storage options focus on collecting and updating data rather than efficient data delivery. Ever-increasing data volumes

can slow the performance of business intelligence and analytic applications, as well as lengthen already stretched extraction, transformation and loading times.

As a result, IT managers are scrambling to migrate from traditional database strategies focused on data collection to new storage strategies that can support the rapid, ad hoc delivery of up-to-date information throughout the enterprise.

SAS Scalable Performance Data Server is optimized to quickly deliver subsets of information culled from large enterprise data stores. It is designed to overcome the bottlenecks that occur when numerous applications attempt to retrieve information on demand.

SAS Scalable Performance Data Server efficiently leverages the full processing capabilities of existing hardware containing multiple processors and I/O channels. It can access subsets of information quickly and combine them in parallel before delivering the results to business applications.

This enables business intelligence and analytic applications to maintain consistent performance. It also ensures that data extraction, transformation and loading times do not exceed acceptable time frames — even as your mountain of enterprise data grows larger.



Significantly speed business intelligence and analytic applications

Most business intelligence and analytic applications require only a subset of available enterprise data to meet decision makers' needs. Frequently, mad-deningly slow response times and costly delays characterize the process of gathering and assembling specific fractions of data buried within the massive amounts of enterprise data.

SAS Scalable Performance Data Server significantly speeds the gathering of necessary data by fully leveraging the strengths of your existing hardware, including multiple processors, I/O channels and disks. Shortened search and delivery times mean that your business users gain faster answers to critical business questions.

Shorten extraction, transformation and loading times

As your data volumes grow, so does the time required to extract, transform and load your data. What was once an overnight process can expand into a two-day ordeal — or worse. Such delays can leave your analytic and business intelligence applications working with stale data. For those who rely on these applications for informed decision making, outdated information can mean missed opportunities.

SAS Scalable Performance Data Server reduces extraction, transformation and loading times by speeding the refresh rates of data and indices, regardless of the volume of data. Critical information is up-to-date and available now — not next week.

Gain incremental, successive benefits with the SAS® Intelligence Value Chain

SAS Scalable Performance Data Server provides a high-speed, intelligent storage option upon which business and analytic intelligence applications can be built.

It constitutes a critical piece of SAS' intelligent storage capabilities, which form a part of the SAS Intelligence Value Chain. Each component of the SAS Intelligence Value Chain — planning, quality ETL, intelligent storage, business intelligence and analytic intelligence — delivers measurable, sustainable and persistent benefits that produce long-term returns. As you utilize each component of the value chain, you realize successive, incremental benefits.

Raw data becomes enriched information that is used to produce new insights and deliver optimal solutions. The result is intelligence that can be acted upon and used for continual business improvements and improved decision making.

The SAS® Intelligence Advantage

SAS is the market leader in providing a new generation of business intelligence software and services that create true enterprise intelligence. SAS solutions are used at more than 39,000 sites — including 98 of the top 100 businesses on the Fortune 500 — to develop more profitable relationships with customers and suppliers; to enable better, more accurate and informed decisions; and to drive organizations forward.

SAS is the only vendor that completely integrates leading data warehousing, analytics and traditional business intelligence applications to create intelligence from massive amounts of data. For more than 25 years, SAS has been giving customers around the world *The Power to Know*®. Visit us at www.sas.com.



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