Rocket® TeraSAM

Improve application performance and efficiency through better management of large VSAM files

Simplified management of large VSAM files

Reduction of batch processing time when manipulating large VSAM files

Enhanced flexibility for processing and analysis of large VSAM data

Segmentation provides customizable access to data

As the need to collect and analyze transactional data grows, so do the files that contain that data. Large files become cumbersome and difficult to manage. The amount of time that is required to access data grows alongside the growing file size. As a result, it takes longer to search through large files, longer to run analysis reports on them, and longer to back them up.

What if you could physically partition a large file into several smaller files, but still treat it as one large file when necessary? With Rocket® TeraSAM, each physically partitioned file can be processed quickly and efficiently when necessary, and one logical file can be processed as a single unit without changing any application code.

An Example of How Rocket TeraSAM Can Increase Performance and Efficiency

Suppose you have a large file that houses the inventory records for a national retail chain. Data about the products that are available in each of the chain's stores are contained in this one, very large file. What if you could create separate files for each store location within that large file?

The number of products that are available in a single store is a fraction of the total inventory that is available nationwide. So, processing that file at the store level, such as when searching for a product within a store, is more efficient than processing the entire national inventory, and then filtering for a specific store.

The nationwide inventory could be searched only when necessary, such as when a customer can't find a product at a particular store but still wants to buy it from the company. The number of concurrent accesses would also be considerably reduced if store employees could search directly for inventory at their store. While a national file could be subject to hundreds or thousands of concurrent queries, a single store file could reduce the number of concurrent queries to dozens.

Fewer concurrent accesses means less competition for the file, resulting in faster access, and faster security. Instead of backing up one large file, all the smaller files could be backed up concurrently. The total time to back up the data would be reduced significantly, thereby increasing availability.

That's What Rocket TeraSAM Does

It segments a large file, based on criteria that you specify, into several smaller physical files. The example above illustrates a geographical segmentation of data, but you can also segment data based on department, job role, security access level, or any other criteria. Analysis and reporting of data can be enabled on a cross-segment basis for some users, while only certain segments are available to others. Rocket TeraSAM provides data segmentation that is completely customizable to your unique environment.

Rocket®

Features and Benefits

Increased batch performance	❖ Run more jobs, including backups, in parallel to reduce overall run time and meet shrinking batch window requirements.
Reduced risk	❖ Damage to a segment only requires recovery of the affected segment, not the entire data set. Access to other segments can continue while the affected segment is recovered.
Faster access	❖ When required, reorganization of specific segments minimizes outage and does not impact other segments of the data set.
Enhanced load balancing	❖ Individual segments can be placed on different DASD devices, depending on their required level of performance.
Reduced index levels	❖ Segmented data sets have fewer index levels, which reduces the time it takes to process them.

System Requirements

Operating System Environment	❖ Any version of z/OS that is supported by IBM.

www.rocketsoftware.com

info@rocketsoftware.com

twitter.com/rocket

www.youtube.com/rocketsource

www.linkedin.com/company/rocket-software

plus.google.com/u/0/104109093105646534918