

Resource savings and real-time optimization for z/OS Tape Library

GFS/Stack – Automatic Multi-File eliminates waste in tape library resources, by providing real savings with surprising simplicity and results. It allows full volume occupation of any media capacity during runtime, quickly releasing thousands of tapes. It keeps the tape library continuously optimized, maximizing the return on infrastructure investments. GFS/Stack also optimizes production performance, significantly reducing processing times for jobs using tapes through real-time stacking.

Resource Waste The most critical tape library problem

In every mainframe installation, tape library administration is always a complex and expensive activity, with tape space waste being the most impacting problem.

Low volume occupation results in high tape consumption and in the occupation of more cells, vaults, silos and physical space.

A careful analysis of the collection usually reveals a high potential for optimization of these resources. On average, 20% or less of a tape volume's capacity is utilized.

GFS/Stack eliminates waste within the tape library and allows the full utilization of the current tape infrastructure investment.

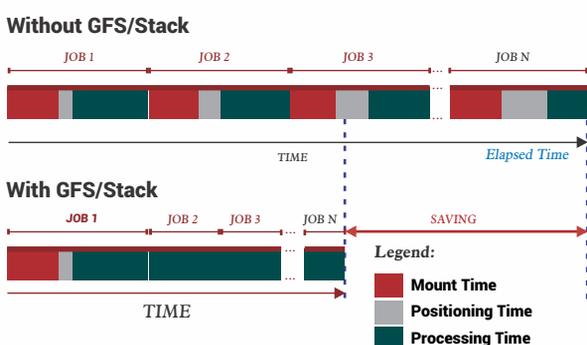
GFS/Stack Promoting the efficient use of media of any capacity

With the accelerated growth in the volume of information, the demand for a large storage capacity also increases.

Critical scenarios are commonly encountered in tape libraries with low scratch tape availability due to inadequate storage capacity usage. At the same time, tape libraries are under strong pressure to increase the capacity available for immediate usage.

Instantly upon implementation, GFS/Stack may be used to optimize existing low capacity cartridges, thus quickly releasing a large number of scratch tapes, relieving the pressure and solving the problem in the short term.

More tape unit availability



Significant Cost Reduction

GFS/Stack has provided its customers with impressive results, showing that it is a simple, efficient and low-cost option for tape library optimization. It is also a competitive alternative to other expensive hardware options.

GFS/Stack generates significant and easily measurable savings, providing immediate ROI. It increases the lifespan of the existing infrastructure, thus preserving existing investments. As it minimizes resource usage, GFS/Stack also postpones future investments and reduces their magnitude.

Real Time Optimization

GFS/Stack optimizes volume occupation during the file allocation process. Once activated, new datasets are written on the appropriate volumes until they are fully occupied.

Other solutions require secondary batch reprocessing of the tapes in the library to promote optimization. This is a slow and expensive process that requires not only processing time, but also volume, unit and CPU availability; which are scarce resources in today's data centers.

With GFS/Stack, optimization occurs naturally, in real time, with no need for operator intervention, pre- or post-processing. GFS/Stack also includes utilities for legacy system optimization.

GFS/Stack eliminates resource waste in the z/OS Tape Environment

Simplicity and Versatility

As it requires minimum planning, GFS/Stack may be easily – even partially and gradually – implemented. It does not require any JCL changes or other modifications to the customer's production routines.

Capable of handling any type of tape files, GFS/Stack works with any tape management software and with all tape, unit and robot models in the z/OS environment (IBM, Oracle StorageTek™, etc).

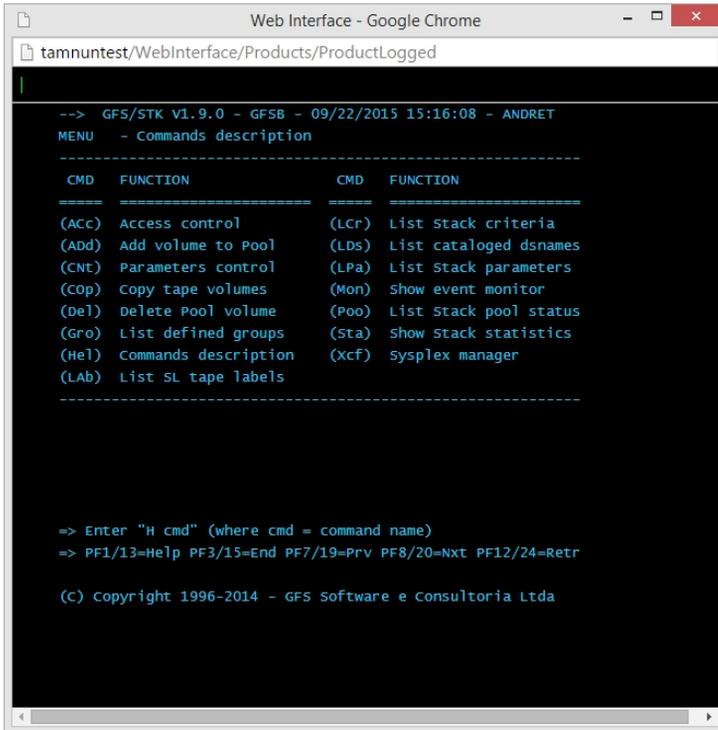
GFS/Stack - Immediate resource savings and performance improvement for z/OS Tape Libraries

WEB INTERFACE

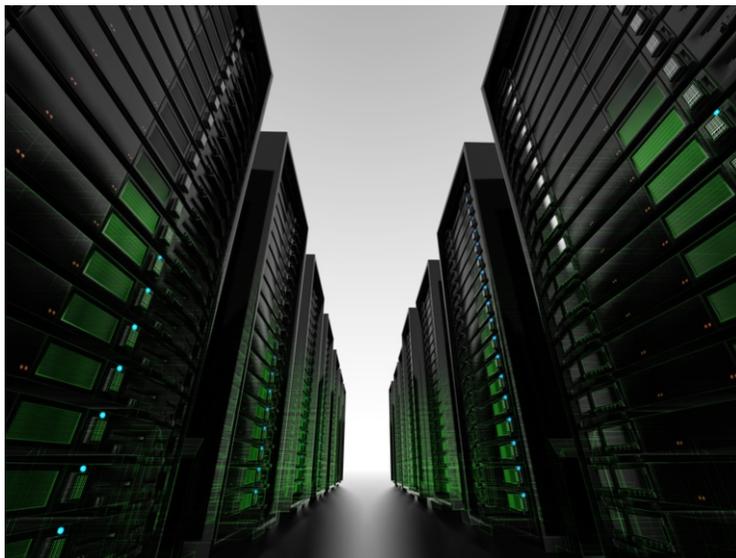
GFS/Web Interface Module

Access and obtain data from your tape library information in real time with GFS/Web Interface.

Web Interface emulates GFS/Stack to the web browser, enabling complete control over the physical and virtual library from anywhere with an Internet connection. Web Interface works on all common browsers, including Mozilla Firefox, Google Chrome, Microsoft Edge, and Safari.



Complete emulation of z/OS library environment, full control and access to GFS/Stack via Internet



How to get more physical space in the z/OS Tape Library without breaking your budget?

Security

GFS/Stack does not interfere with the file writing process. When needed, tapes can be read in any environment, without requiring GFS/Stack.

Other solutions write datasets in a proprietary format, becoming the "owners" of the information and are required for reading the data, something that makes disaster recovery even more difficult. These solutions maintain proprietary databases to map the datasets, making it impossible to recover files without them.

GFS/Stack is safer in the event of a disaster, making data recovery easier.

GFS/Stack does not use proprietary formats and provides protection in the event of a disaster

EXCELLENCE IN SUPPORT

The GFS technical team counts on dedicated, qualified and experienced professionals who are not only experts on the solutions, but on the environment and customer needs.

With a complete mainframe infrastructure dedicated exclusively to development and support, GFS Software offers exceptional 24 x 7 customer service.

About GFS Software

GFS Software is a software house specializing in developing solutions for the IBM Mainframe z/OS environment, and an Advanced-level IBM Business Partner.

Established in 1988, GFS Software is the Brazilian market leader in tape library management, offering a complete suite of solutions to streamline the management of customers' infrastructure.

GFS Software helps drive the business of the largest and most important z/OS installations, including customers from financial services, telecommunications and governmental organizations.

In the international market since 2002, GFS maintains active partnerships and clients around the world. GFS international headquarters are located in New York City.



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