

A 50-minute Runtime Reduced to 2½ Minutes Makes a TANDsoft FileSync Customer Very Happy

“How can we reduce our existing 50-minute file-synchronization runtime?” This is what a longtime TANDsoft FileSync customer asked TANDsoft to do for an OSS environment comprising 200,000 unaudited files. The job runs twice daily. The customer uses FileSync in multiple Guardian and OSS environments. But with a 200,000-file OSS environment and the challenge presented by OSS pathname lengths, the runtime took 50 minutes - longer than acceptable. TANDsoft’s new FileSync Incremental feature, available now in FileSync Version 3.2, successfully addressed the issue. FileSync Incremental decreased the 50 minutes to just 2 ½ minutes, a substantial savings in both time and processing power.

FileSync Incremental is available for review via TANDsoft’s free trial program.

Typically, once an OSS or Guardian environment is replicated in full to the target system, the synchronization software of choice reviews periodically all files within the environment to determine which files have changed. Only changed files are then synchronized with the target system. This reduction in files to be replicated reduces synchronization time, but what it doesn’t reduce is the time it still takes to verify every file in the environment in order to locate the changed files.

FileSync Incremental eliminates the need to analyze all files. Instead of asking the system to provide all the files for FileSync to review, FileSync Incremental asks the system to provide only those files that have changed within specified time parameters – 12 hours, a day, a week, and so on. In the case of the TANDsoft customer mentioned above, whose OSS environment runs twice daily, only those files that have changed since the morning run are reviewed and synchronized. The result is a smaller, much faster synchronization effort. For TANDsoft’s customer, 50 minutes was reduced to 2 ½ minutes.

For very large files, FileSync Incremental can be used in conjunction with FileSync Deduplication. With this feature, only changed data, not entire files, are sent to the backup database. FileSync Deduplication – or client deduplication - takes place at the system hosting the primary database. The time and the bandwidth required to replicate files is substantially reduced because a multi-megabyte file can now be updated by sending just the few blocks that have changed rather than having to send the entire file over the communication channel.

FileSync automatically monitors, replicates and synchronizes source files, program environments, application environments, configuration files, programs – anything non-database that needs to be kept current across the network. It supports qualified expressions and referential integrity as well as the synchronization of SQL/MX catalogues, schemas, tables, partitions, and indices. In addition, FileSync supports the SQL/MX filter, SQL/MX 3.2.1, and all earlier SQL/MX versions. FileSync supports all Guardian files – audited, non-audited, structured and unstructured; all OSS files; NonStop SQL/MP Catalogs, Tables and Partitions; program source and object files; and configuration and TACL files. TANDsoft customers use FileSync for system migrations, disaster recovery, upgrades, and backups.

FileSync replication and synchronization software works closely with all NonStop real-time data replication products to provide a comprehensive solution for maintaining duplicate system and application environments. It is valued by customers of NTI DRNet, Gravic Shadowbase, HP NonStop RDF, and Oracle GoldenGate. FileSync is available via its worldwide distributor network.

In addition to FileSync, TANDsoft solutions include: the OPTA2000 virtual clock- and time-zone simulator; the OPTA suite of interception and trace utilities (OPTA-Trace Online Process Tracer and Analyzer, Recycle Bin, EMS Alerts Online Startup and Termination Capture Utility, Low Pin Optimizer); Stack Monitor, which alerts developers to the impending threat of a stack overflow; Command Stream Replicator, which logs and automatically replicates TMF-audited/unaudited FUP, SQL/MP and SQL/MX DDL structure and other environment changes to target systems; AutoLib, which automatically loads a user library or a DLL for executing processes; the Enscribe-2-SQL and TMF-Audit Toolkits and the new

Enscribe-2-SQL Data Replicator, all of which offer flexible, affordable alternatives to more expensive conversion products or manual conversion techniques; E2S-Lite, which permits efficient, low-cost Enscribe modifications without the need to change a program's source code; and SDI (Sensitive Data Intercept) for Enscribe and SQL/MP.

TANDsoft products require no application source-code modifications, are available for all HP NonStop servers, and support major third-party applications. Free trials are available. Visit www.tandsoft.com, or contact Jack Di Giacomo at +1 (514) 695-2234. Our *Enscribe to SQL Migration Forum* on LinkedIn is at 189 members and counting. Our latest thread addresses NonStop customers who are synchronizing Guardian and OSS unaudited files between production and DR systems.