



FileSync & Command Stream Replicator

***They Replicate Everything
That
Other Replicators Don't!***

TANDsoft Products

FileSync

Synchronizes applications and files between HP NonStop servers.
FileSync-Audit replicates non-audited Enscribe files.

Command Stream Replicator

Automatically replicates DDL structure, non-audited and HP utility operations to backup system .

OPTA2000

Multiple applications operating in a consolidated environment or on a single server can each have their own virtual clock or virtual time zone.

Enscribe-2-SQL Toolkit

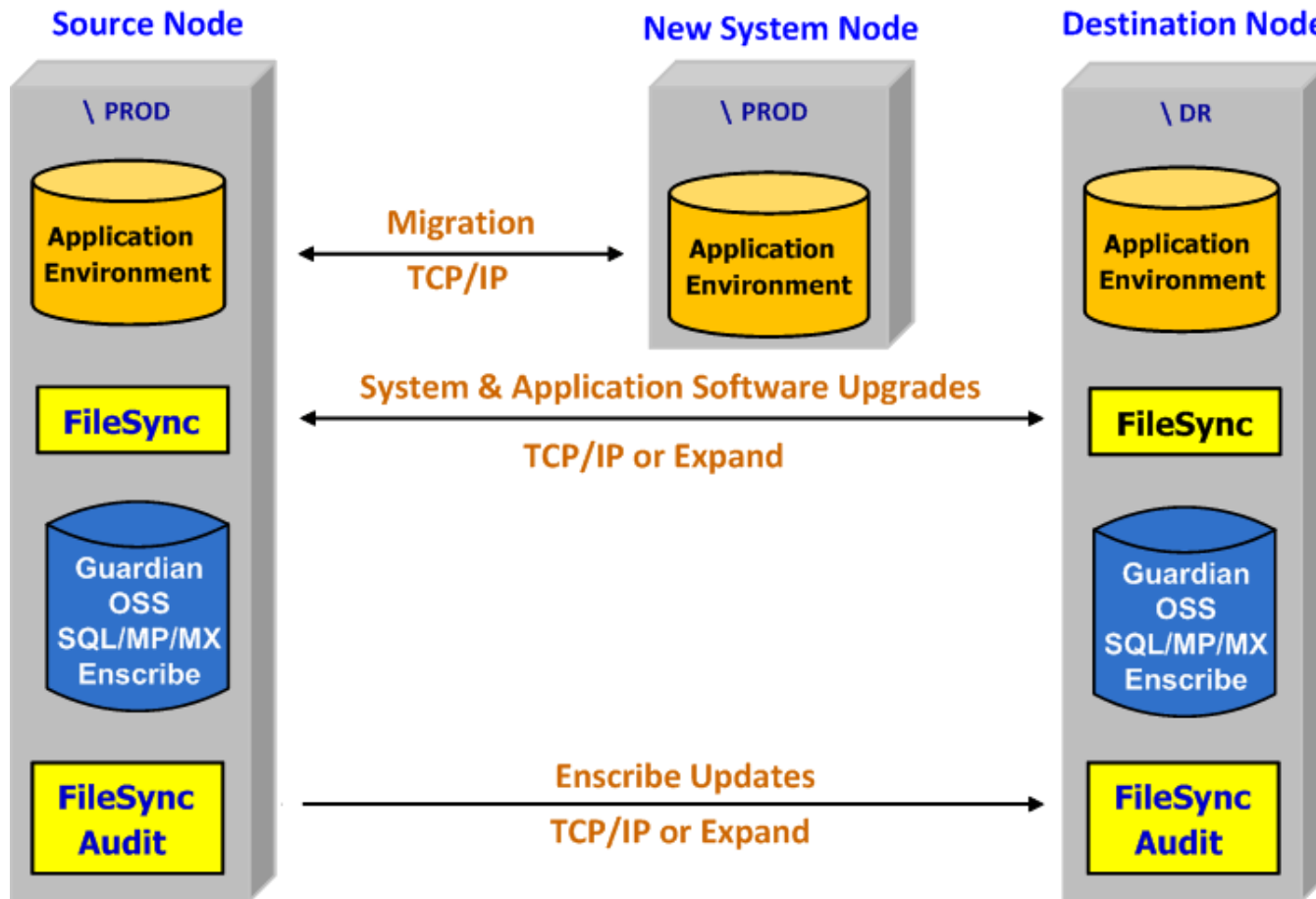
A flexible, affordable alternative to more expensive conversion products or manual conversion techniques.

TMF-Audit Toolkit

Permits easy conversion of non-audited TMF files to audited TMF files.

FileSync

Replication & Synchronization Software



FileSync

Replication & Synchronization Software

FileSync

Automatically monitors, replicates and synchronizes whole files and application environments. Use for disaster recovery, migrations, upgrades, and backups. Supports all file types.

FileSync-Audit

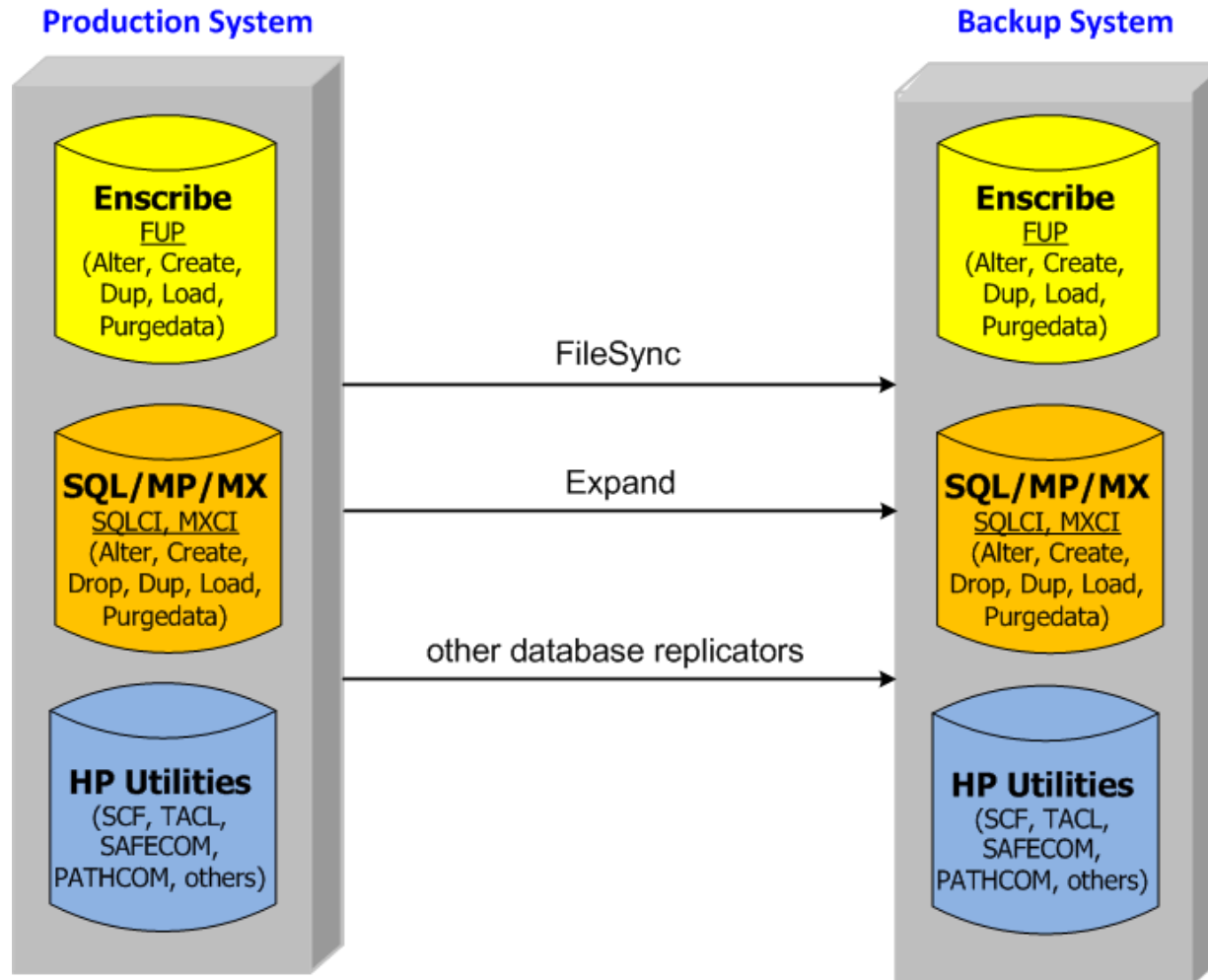
Replicates non-audited Enscribe file modifications (not entire file) to backup system.

FileSync

Features

- Supports Expand and TCP/IP.
- Netbatch and FileSync scheduling capability.
- Supports Enscribe and OSS files. Also supports SQL/MP and SQL/MX objects.
- Automatic or scheduled file synchronization between Guardian and OSS.
- Uses TCP/IP to migrate systems. Synchronize files to new system with same node name.
- Incorporates fault tolerance, parallel processing, qualified file wildcarding, and SQL/MX filters.
- Additional options – Security, Purge, Reporting, Triggers.
- Complements NonStop data-replication products.

Command Stream Replicator



Command Stream Replicator

Overview

- Provides automatic replication of NonStop DDL operations to the backup database.
- Eliminates manual operator intervention for DDL changes on the backup system.
- Provides replication of HP utilities (FUP, SQLCI, MXCI, SCF, TACL) operations to the backup system.

Command Stream Replicator

Features

- Replicates NonStop DDL (SQL/MP, SQL/MX, Enscribe) operations that are not replicated by RDF and other database replicators.
- Replicates file-label, non-audited, and HP utilities (FUP, SQLCI, MXCI, SCF, TACL) operations to the backup system.
- Increases NonStop database availability.
- Can be used with all NonStop data-replication products.

File Sync & Command Stream Replicator

Replicate What Other Replicators Don't!

FileSync

- Synchronizes non-DB files, programs and sub-system configuration files, including Guardian, OSS, and SQL/MP/MX.
- Uses TCP/IP to migrate files to new system with same node name.
- Incorporates parallel processing, qualified file wildcarding and SQL/MX filtering.
- TACL triggers for pre-synchronization and post-synchronization processing.

FileSync-Audit

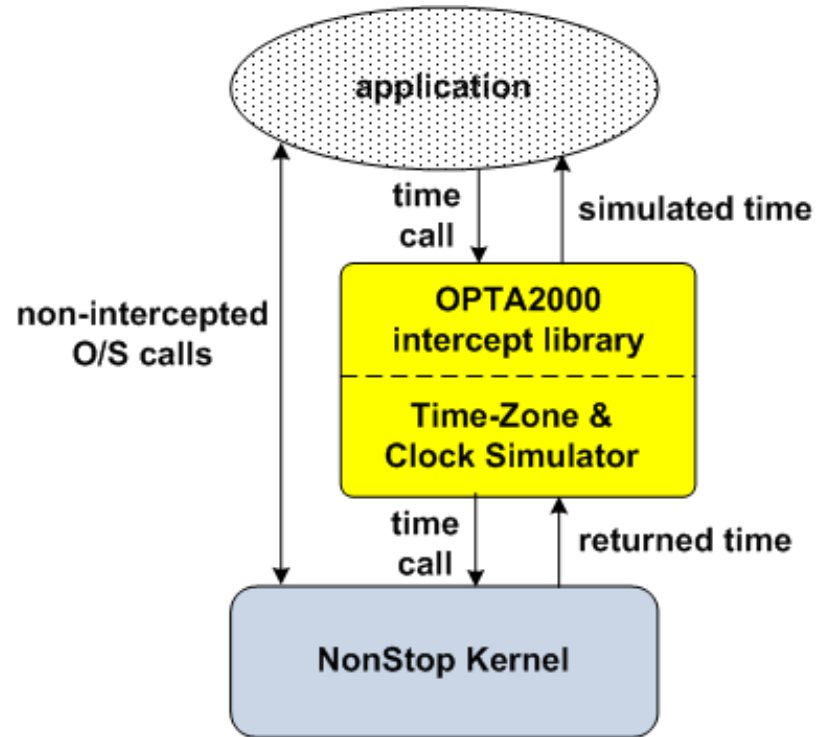
- Replicates Non-Audited Enscribe files.

File Sync & Command Stream Replicator Replicate What Other Replicators Don't!

Command Stream Replicator (CSR)

- Replicates Enscribe and SQL/MP/MX DDL operations to the backup database.
- Synchronous or asynchronous execution of HP utility (FUP, SQLCI, MXCI, SCF, TACL, SAFECOM, PATHCOM, others) operations on the backup system.
- Preserves node-centric naming across systems.

OPTA2000 Time-Zone and Clock Simulator



***One system clock. Multiple current times. Multiple time zones.
No Problem!***

OPTA2000

Time-Zone and Clock Simulator

Time-Zone Simulation

OPTA2000 creates virtual time zones that allow existing production and backup systems to support worldwide consolidated environments.

Clock Simulation

OPTA2000 creates virtual times that can be offset arbitrarily from the system time. Remember Y2K?

***One system clock. One current time. One time zone.
No Problem!***

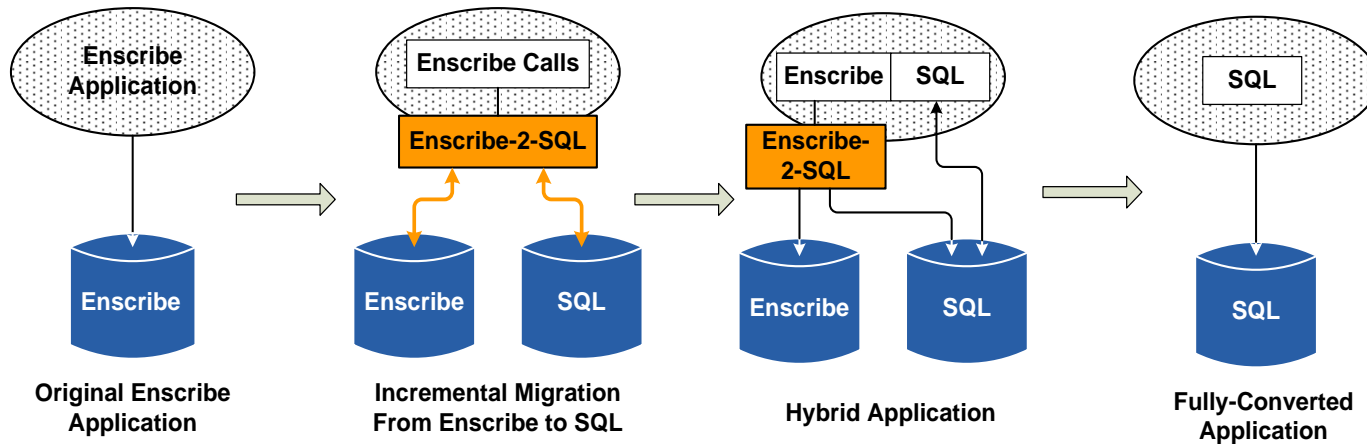
OPTA2000 Features

Supports All NonStop Applications (TNS, TNS/R, and TNS/E)

- No changes necessary to customer applications.
- Supports major third-party applications.
- Virtual time-zone feature supports worldwide consolidated environments. Multiple time zones on one NonStop server.
- Virtual clocks allow consolidation of multiple environments. Multiple system clocks on one NonStop server.
- Supports Daylight Saving Time (DST) transitions.
- Does not interfere with other applications on the same system.
- Ideal for customers consolidating servers onto Integrity NonStop or Blades.

Enscribe-2-SQL Toolkit

Affordable, Flexible, High Performance



Migrating from Enscribe to SQL with the Enscribe-2-SQL Toolkit

Enscribe-2-SQL Toolkit

Overview

- Offers a flexible, affordable alternative to more expensive conversion products or manual conversion techniques.
- Toolkit library includes an API that enables developers to write procedures that specify how each Enscribe operation maps to the desired SQL operation.
- No changes to the Enscribe applications are necessary.
- Full conversion flexibility otherwise available only with manual conversion is retained.

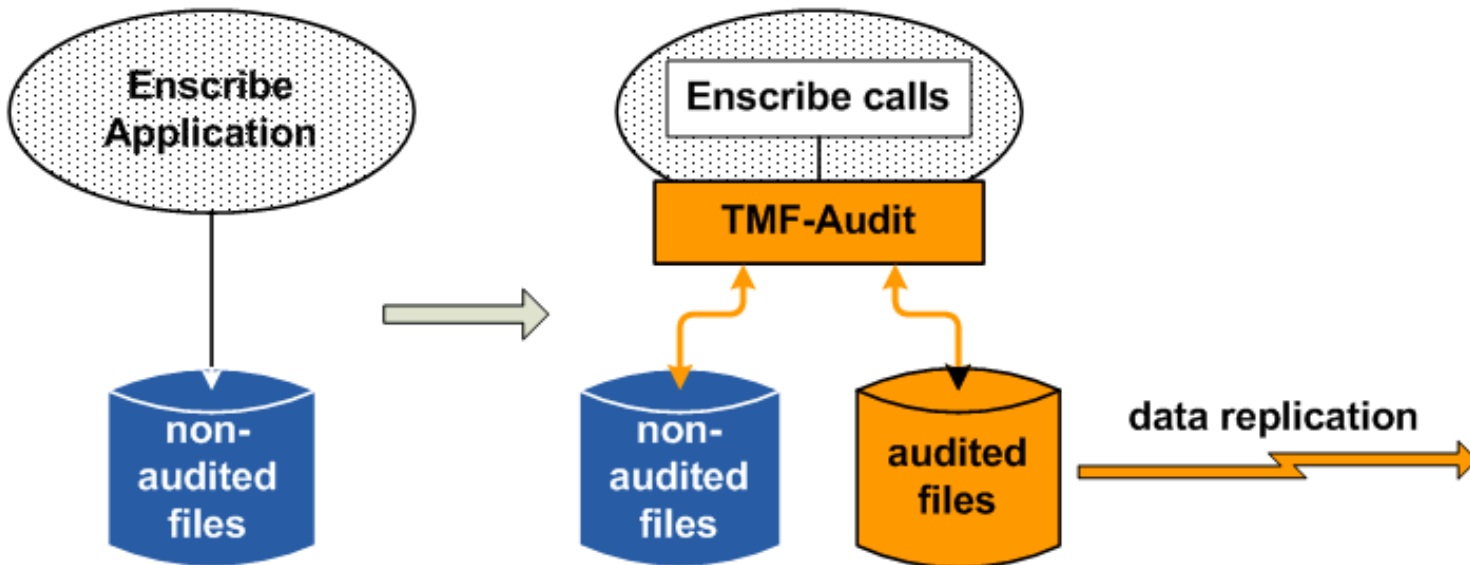
Enscribe-2-SQL Toolkit

Features

- Available on all HP NonStop servers.
- Offers unlimited conversion flexibility.
- Automatically generates equivalent dynamic SQL/MP statements to access the SQL database.
- Custom SQL statements can be coded with the toolkit API for complex operations and maximum performance.
- No privileged code required.
- Supports full Enscribe API.
- Supports both static and dynamic SQL.

TMF-Audit Toolkit

Easy conversion of non-audited TMF files to audited TMF files



TMF-Audit Toolkit

Overview

- Offers a flexible, affordable alternative to more expensive conversion products or manual conversion techniques.
- Toolkit library includes an API that enables developers to write procedures specifying the TMF transaction boundary.
- No changes to Enscribe applications are necessary.
- Full conversion flexibility otherwise available only with manual conversion is retained.

TMF-Audit Toolkit

Features

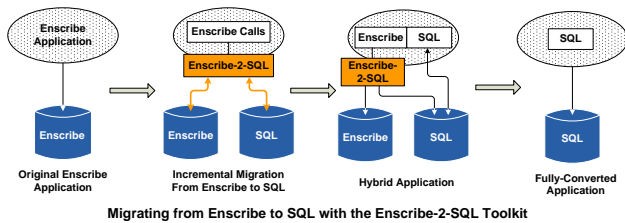
- Available on all HP NonStop servers
- Supports full Enscribe API
- Permits file-by-file incremental migration and application-by-application incremental migration
- No privileged code required
- Online backups for 24x7 availability
- Improved application database performance
- Enables replication with RDF, Shadowbase, DRNet, GoldenGate, etc.

Thanks for Watching

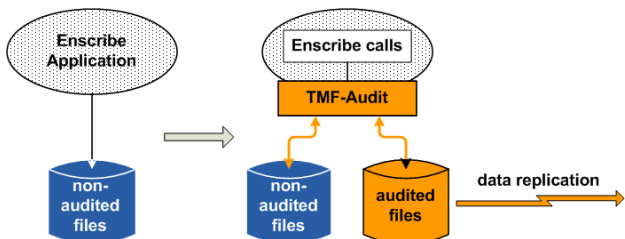
Any Questions?

Ask them now, or contact me later at
jack.digiacomo@tandsoft.com

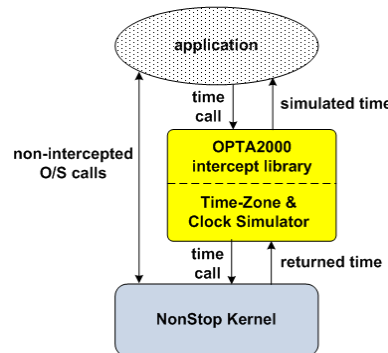
Enscribe-2-SQL Toolkit



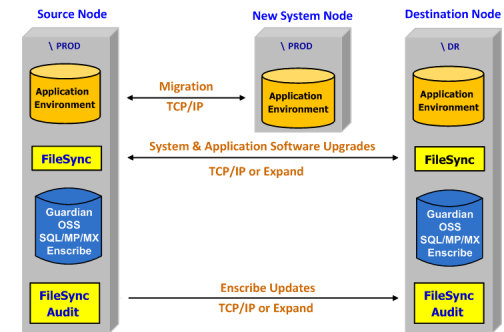
TMF-Audit Toolkit



OPTA2000



FileSync



Command Stream Replicator

