



Interception, Replication, and Consolidation Solutions

OPTA2000

clock & time-zone simulator

FileSync

replication & synchronization software

TMF-Audit Toolkit

easily converts non-audited TMF files to
audited TMF files

Sensitive Data Intercept (SDI)

protects sensitive data at rest

Enscribe-2-SQL Toolkit

flexible, affordable alternative for Enscribe to SQL
conversion

Command Stream Replicator

automatically replicates DDL structure, non-audited
and HP utilities operations to backup system

OPTA

suite of interception and trace utilities for
customizing NonStop applications

TANDsoft Products

FileSync

Synchronizes applications and files between HP NonStop servers.
FileSync-Audit replicates only Enscribe file modifications.

Command Stream Replicator

Automatically replicates DDL structure, non-audited and HP utilities 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.

TMF-Audit Toolkit

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

TANDsoft Products

Enscribe-2-SQL Toolkit

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

E2S-Lite enables efficient, low-cost Enscribe modifications.

OPTA

OPTA's suite of interception and trace utilities includes Recycle Bin, OPTATrace Online Process Tracer and Analyzer, EMS Alerts Online Startup and Termination Capture Utility, and Low Pin Optimizer.

Sensitive Data Intercept (SDI)

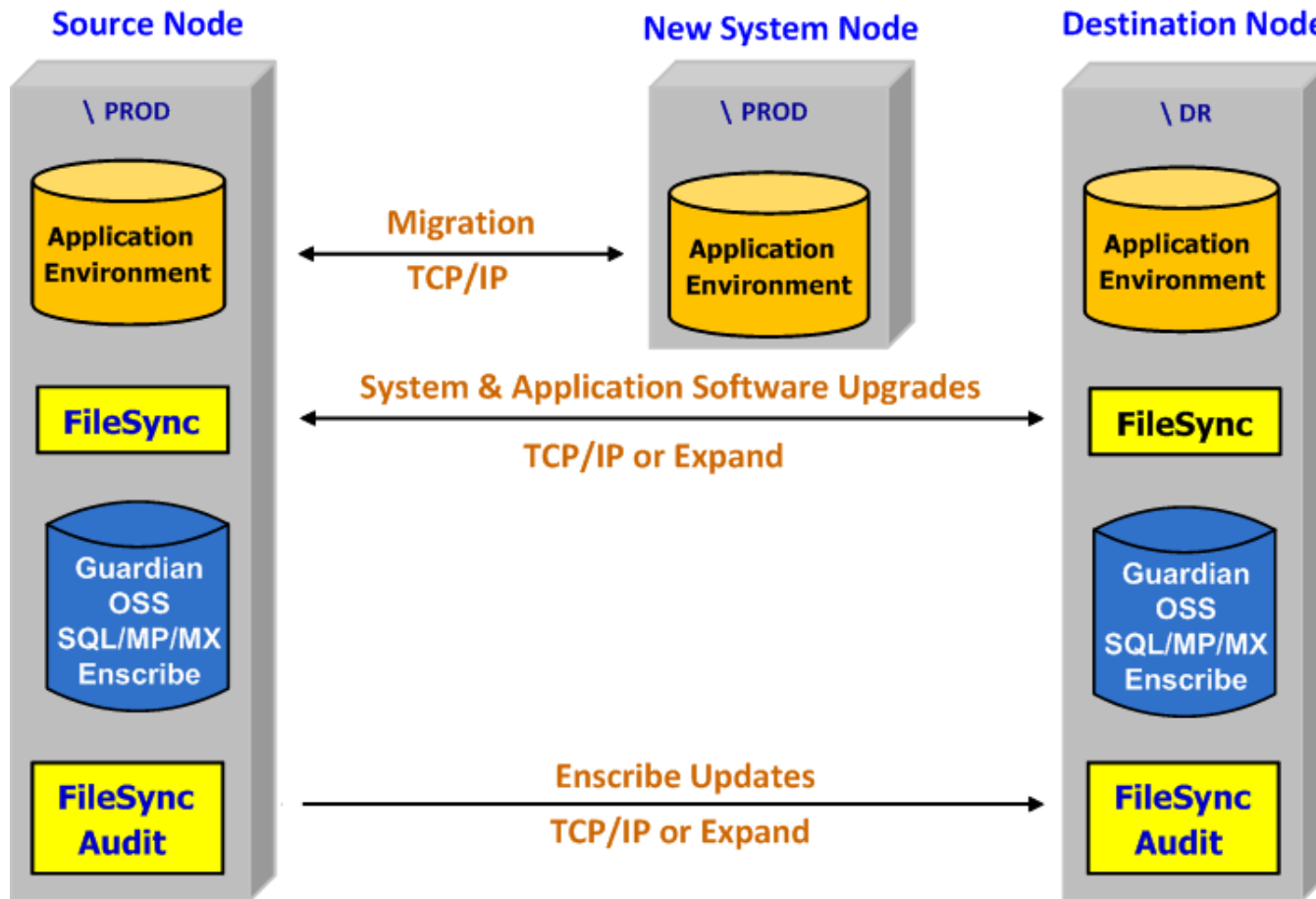
Protects sensitive data at rest with no application changes.

Stack Monitor

Alerts developers to the impending threat of a stack overflow.

FileSync

Replication & Synchronization Software



FileSync

Replication & Synchronization Software

FileSync

Automatically monitors, replicates and synchronizes non-database files and application environments. Use for disaster recovery, migrations, upgrades, and backups. Supports a wide variety of file types.

FileSync-Audit

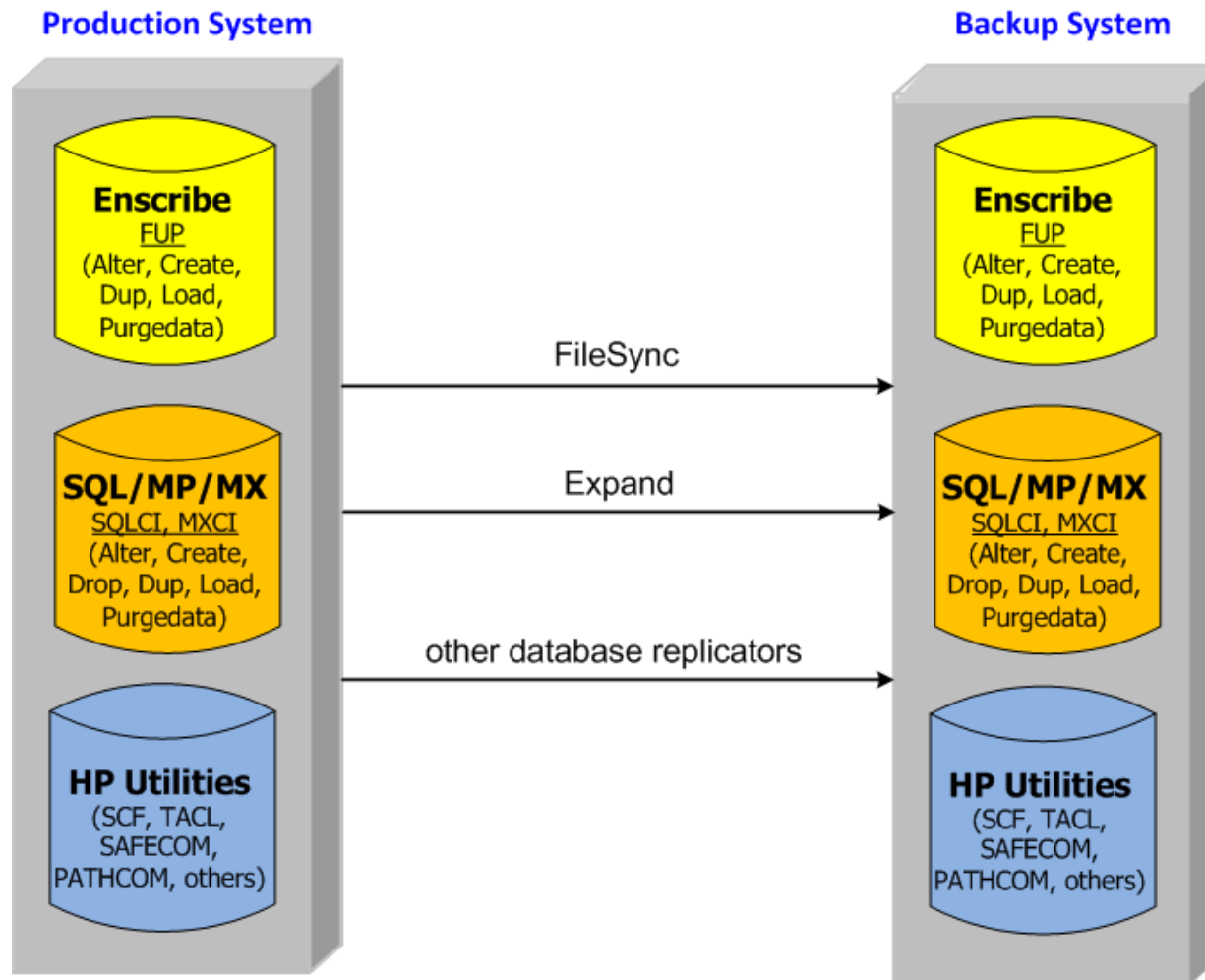
Replicates only Enscribe file modifications, not entire Enscribe files, in order to efficiently synchronize all files across the network.

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 utility (FUP, SQLCI, MXCI, SCF, TACL, SAFECOM, PATHCOM, others) operations to the backup system.

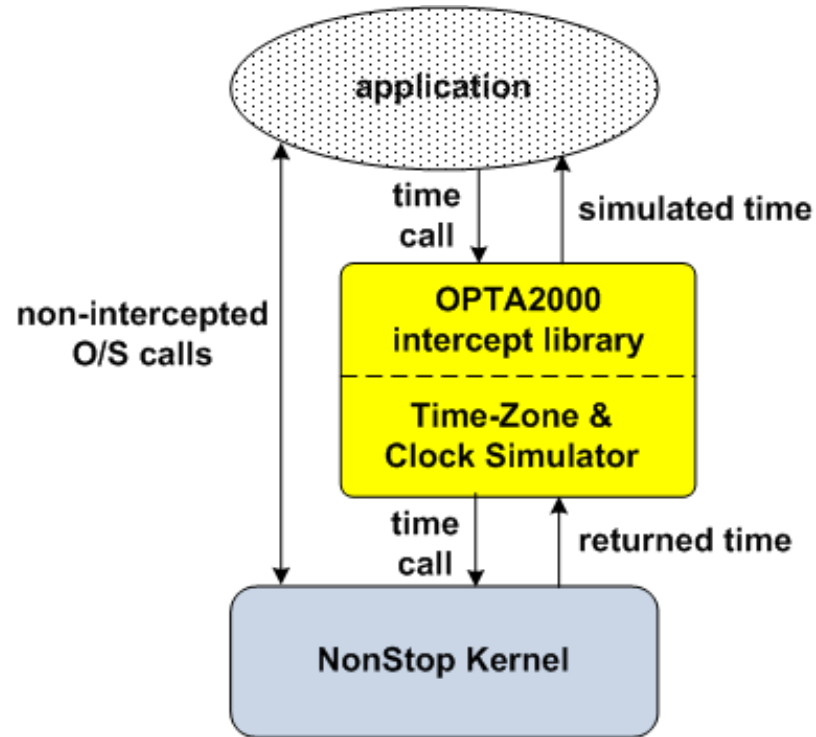
Command Stream Replicator

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 utility (FUP, SQLCI, MXCI, SCF, TACL, SAFECOM, PATHCOM, others) operations to the backup system.
- Increases NonStop database availability.
- Can be used with all NonStop data-replication products.

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. Multiple current times. Multiple time zones.
No Problem!

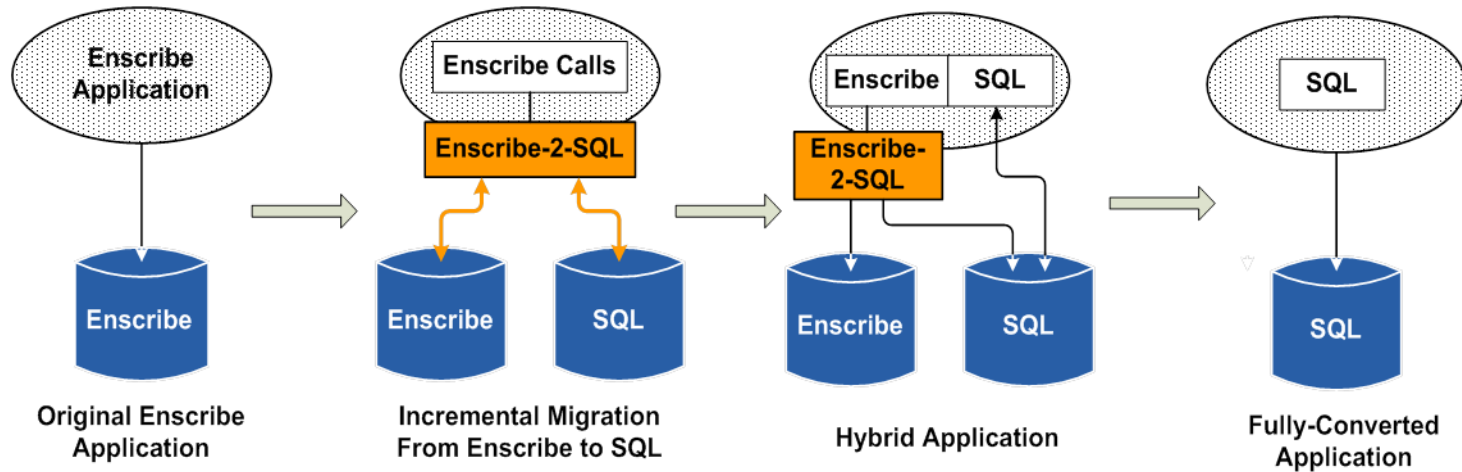
OPTA2000 Features

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.
- Supports SQL/MP and SQL/MX.
- No changes to the Enscribe applications are necessary.
- Full conversion flexibility otherwise available only with manual conversion is retained.
- *E2S-Lite* enables efficient, low-cost Enscribe program modifications.

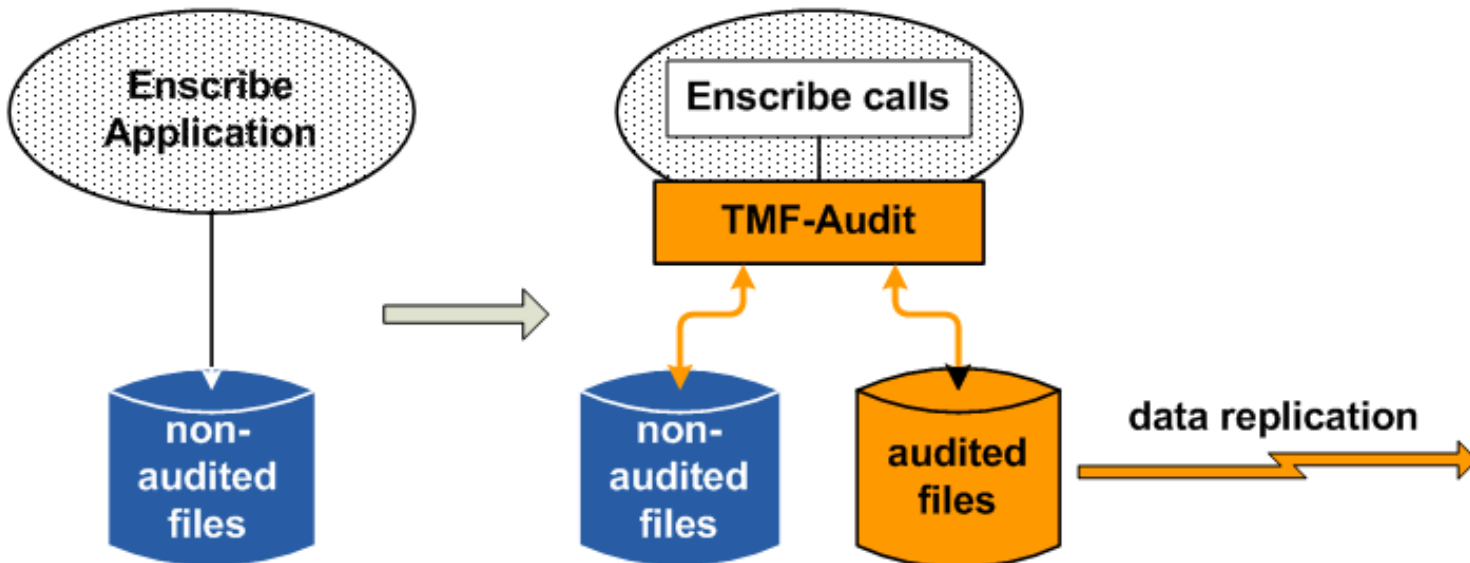
Enscribe-2-SQL Toolkit

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.

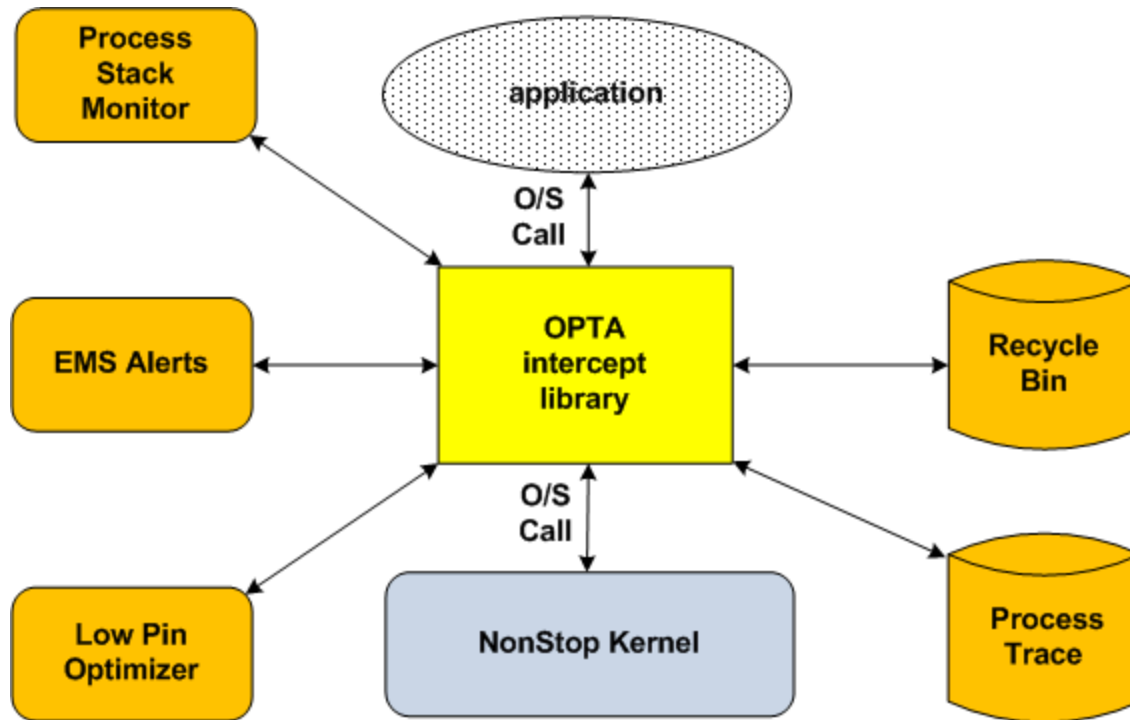
TMF-Audit Toolkit

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.

OPTA

Suite of interception and trace utilities for customizing NonStop applications



OPTA

Overview

- Online process tracer and analyzer for intercepting NSK system calls.
- With the OPTA API, custom code can easily extend application capabilities.
- Supports all HP NonStop application types and platforms (TNS, TNS/R, and TNS/E).
- Reduces development, testing, and support costs.
- No application code changes are required.

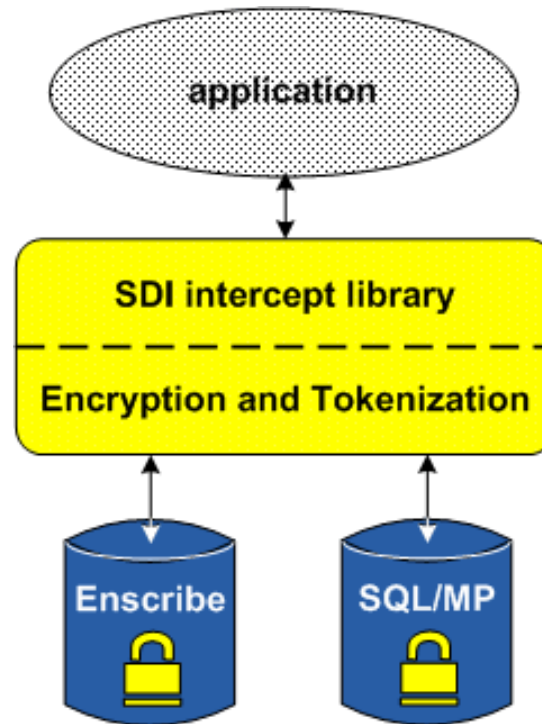
OPTA

Features

- ***Process Stack Monitor*** analyzes an application's stack usage to prevent Stack overflows.
- ***OPTA-Trace Online Process Tracer and Analyzer*** seamlessly intercepts and traces procedure calls made to the NonStop Kernel operating system.
- ***Recycle Bin*** provides fast file retrieval. Purged files are stored in Recycle Bin until you decide to restore them or to delete them permanently.
- ***Low Pin Optimizer*** automatically redirects and balances low-PIN process creation across a server's CPUs to ensure efficient allocation.
- ***EMS Alerts Online Startup and Termination Capture Utility*** traces an application's startup and termination calls via EMS messages.

Sensitive Data Intercept (SDI)

Protects sensitive data at rest



Protects Sensitive Data at Rest

Sensitive Data Intercept (SDI)

Features

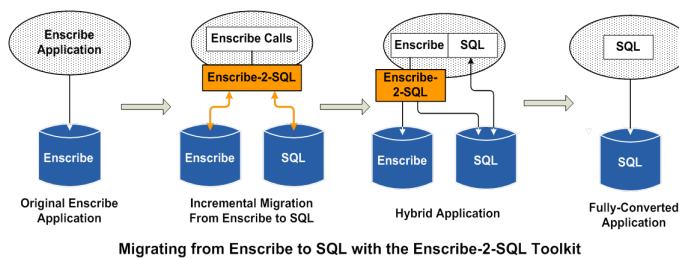
- Protects sensitive data at rest for NonStop applications.
- Intercepts NonStop database access calls, encrypting data written to disk and decrypting data read from disk.
- Combined with the products of NonStop security partners, SDI offers additional encryption and tokenization capabilities for sensitive data.
- Supports NonStop Enscribe and SQL/MP, native and non-native applications.
- No application changes are required.
- Helps organizations to remain compliant with industry regulations such as PCI-DSS, HIPPA, SOX.

Thanks for Watching

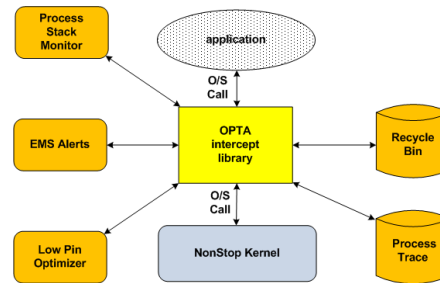
Any Questions?

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

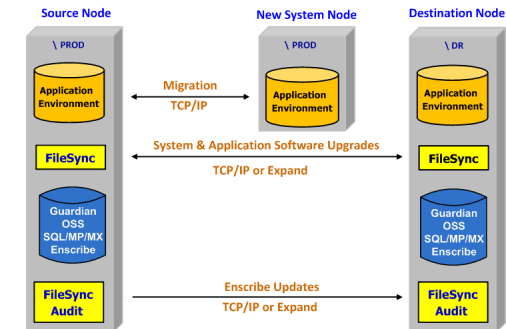
Enscribe-2-SQL Toolkit



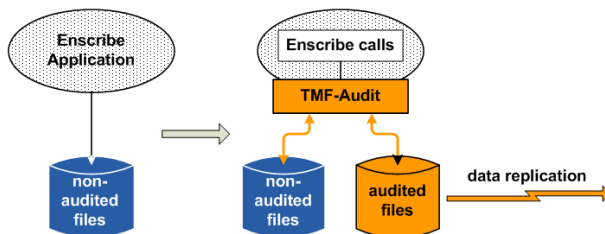
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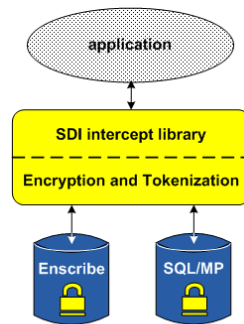
FileSync



TMF-Audit Toolkit

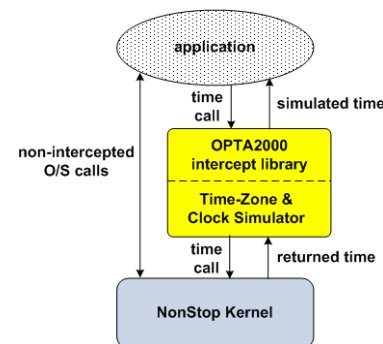


SDI



Protects Sensitive Data at Rest

OPTA2000



Command Stream Replicator

