



## TMF-Audit Toolkit

*Permits Easy Conversion of Non-Audited TMF Files to Audited TMF Files*

### Features

Available on all HP NonStop servers

Offers unlimited conversion flexibility

Permits file-by-file and application-by-application incremental migration

No changes to Enscribe applications are necessary

No privileged code required

Supports full Enscribe API

Online backups for 24x7 availability

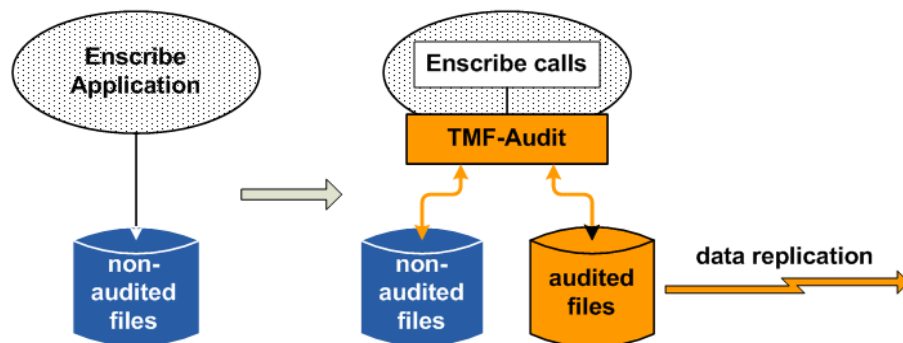
Enables replication with NonStop data replication products

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### Overview

TANDsoft's new TMF-Audit Toolkit™ offers a flexible, affordable alternative to more expensive conversion products or manual conversion techniques. Taking advantage of our proven OPTA2000 intercept capability, the TMF-Audit Toolkit permits easy conversion of non-audited TMF files to audited TMF files. No changes to Enscribe applications are necessary. TANDsoft's toolkit library includes an API that enables developers to write procedures specifying the TMF transaction boundary. As a result, the full conversion flexibility otherwise available only with manual conversion is retained. The TMF-Audit Toolkit enables replication with a variety of NonStop data-replication products, including DRNet, Shadowbase, RDF, and GoldenGate. It can be used in conjunction with TANDsoft's companion product, the Enscribe-2-SQL Toolkit™.



### How It Works

Our TMF-Audit Toolkit is a middleware facility that uses an intercept library to capture all file-related calls. The toolkit and the toolkit API routine define the boundaries of transactions according to user-defined settings and insert the appropriate TMF BEGINTRANSACTION and ENDTRANSACTION directives into the call stream.

The toolkit provides common algorithms for transaction boundaries. One algorithm includes all I/O operations between a \$RECEIVE call and the process' response. The operations are bounded with a TMF BEGINTRANSACTION and an ENDTRANSACTION. I/O operations between these calls will be treated by the toolkit as a transaction and will be recorded as such in the audit trail. Similarly, another algorithm includes all file operations between the acquisition of a lock and its release.

Any technique to define transaction boundaries as determined by the user may be implemented in a similar fashion. For instance, a transaction could include a specified number of I/O operations. To help in the design of such boundaries, TANDsoft provides the Toolkit Trace utility. It prepares a report showing the Enscribe file call sequences issued by an application with non-audited files. Enscribe activity can be captured and analyzed to construct TMF transaction boundaries for custom applications.

All HP NonStop Application Types and Platforms (TNS, TNS/R, and TNS/E) are supported.