

Data protection,  
disaster recovery and  
data replication for  
all your applications.

No reprogramming required.



**ESCORT ♦ AUTO TMF**

Escort♦AutoTMF provides

automatic data protection for

your applications using the

NonStop RDF and TM/MP

products from Compaq's

Tandem Division. No change

to your existing programs is

required. Escort♦AutoTMF

automatically implements TMF

transactions on behalf of your

programs where necessary for

audited Enscribe files and

NonStop SQL tables.

# Replicate all of your program modification

## What TMF/RDF does for you

If your database is audited, TMF (a.k.a. TM/MP) guarantees that every file update has an audit trail record. In conjunction with TMF online dumps, the audit trail can be used to recover lost files up to the state of the last committed update.

RDF uses the TMF audit trails to reliably and efficiently replicate the database to a second copy on a remote Tandem system. RDF guarantees that all audited updates are quickly transmitted to the remote system and applied to the remote copy of the database.

For serious Tandem-to-Tandem replication-and for proven value in disaster recovery situations-there is no more efficient, reliable, or complete solution than TMF/RDF.

## What Escort♦AutoTMF does for you

### WORKS WITH ALL APPLICATIONS

Escort♦AutoTMF allows all applications to use TMF for file/volume recovery and RDF for disaster recovery and data replication, even if they are not written to use TMF.

Once enabled on your system, Escort♦AutoTMF dynamically determines effective and efficient transaction boundaries and automatically causes your application to make audited updates to the database.

There is no need to make any source code changes to your programs, or even to recompile them. Escort♦AutoTMF works with your existing application object files.

### IMPROVES APPLICATION PERFORMANCE

The NonStop Kernel DP2 disk process has optimized performance for audited files. Its caching algorithms assume that database updates can be reliably buffered without requiring an individual disk write. Updates are collected and written to the audit trail to provide complete reliability in the event of system failure.

In most cases, audited files result in far lower I/O activity. They also tend to eliminate update hotspots for log files and random updates.

# r data without any s with Escort♦AutoTMF

Application benchmarks of Escort♦AutoTMF show no reduction in throughput and response time. In many cases, it has completely eliminated I/O hotspots and improved performance.

## ENABLES INCREMENTAL MIGRATION TO TMF

Escort♦AutoTMF makes use of advanced technology to determine optimum transaction boundaries for performance. Although Escort♦AutoTMF will automatically enable your database for use with TMF and RDF with no change to your programs, no automatic method can recognize the boundaries of your business transactions. To even further improve disaster recovery down to the business transaction level and further increase overall performance, you may place transaction calls in selected application programs.

A traditional "Big Bang" conversion to TMF would require all programs to be converted before the database can be audited. With Escort♦AutoTMF, however, you can migrate incrementally-one program at a time.

By including TMF calls directly in your programs, you can more accurately control the transaction level atomicity and ensure that complete business transactions are either completely done or undone as a unit. Escort♦AutoTMF provides transactions only for those programs that do not contain transaction calls. Should you include TMF calls in one or more programs, Escort♦AutoTMF will cease providing transactions in those cases.

**Disaster recovery, improved data consistency, and improved performance with Escort♦AutoTMF.**

Escort♦AutoTMF allows your company to instantly benefit from the high performance and reliability of Compaq's NonStop TM/MP and RDF technologies, without having to modify your programs. Implementation is fast, simple, and low risk. Your data is the heart of your business — protect it with Escort♦AutoTMF.



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**ESCORT♦AUTOTMF**

# ESCORT ♦ AUTO TMF

Disaster recovery, improved  
data consistency, and  
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Escort ♦ Auto TMF.



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