COMMAND STREAM REPLICATOR

Automatically Replicates NonStop DDL, Non-Audited, and HP Utility Operations to Backup Systems

Features

Replicates NonStop DDL operations that are not replicated by database replicators

Intercepts, Logs and replicates HP utilities (FUP, SQLCI, MXCI, SCF, TACL, SAFECOM, PATHCOM, others**) commands to the backup system**

Eliminates operator intervention for DDL updates

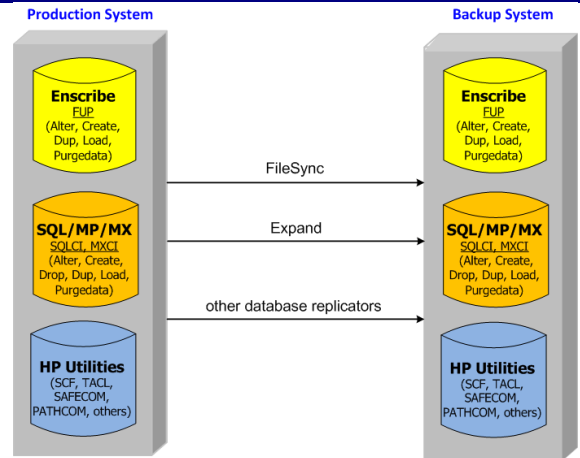**Ensures uninterrupted processing for active/active environments**

Works with all NonStop data-replication products

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Overview

TANDsoft's Command Stream Replicator™ (CSR) automatically replicates NonStop SQL/MP DDL, NonStop SQL/MX DDL, and Enscribe DDL operations to the backup database – operations that are not replicated by RDF or other database replicators. CSR also intercepts, logs and replicates HP utility (FUP, SQLCI, MXCI, SCF, TACL, SAFECOM, PATHCOM, others) commands to the backup system. Command Stream Replicator is available for all HP NonStop servers.

CSR Automates Replication of NonStop DDL and HP Utility operations

Database synchronization between a NonStop production system and its backup has classically been performed by database replication software (RDF, Shadowbase, DRNet, GoldenGate). Database changes in the production system accumulate in the TMF audit trail and are replicated to the backup system, where they are applied to the backup database. Thus, the content of the two databases is kept in synchronization in *near-real time.*

However, DDL and HP utility operations fall outside the TMF audit trail and are not replicated. When production database structure changes, operator intervention on the backup system is required to synchronize DDL with the production system. Such manual procedures risk time delays and errors because production systems and backup systems often must be taken offline until all configurations for both systems have been synchronized. In such cases, seamless, reliable failover is uncertain; and *near-real time* unexpectedly can become *not-real time*.

Not-real time is inadequate for today's mission-critical environments. What is needed instead is *real-time* synchronization of not only the database content but the DDL structure and HP utility operations as well. Command Stream Replicator resolves this challenge by replicating all structural changes from the production system to the backup system without having to take either system offline. By replicating what database replicators cannot – non-audited file operations, changes to DDL structure, system configuration changes, and HP utility operations – CSR ensures a production system in complete synchronization with its backup.

Command Stream Replicator Benefits

- ✚ Improves failover reliability between systems
- ✚ Supports active/active configurations
- ✚ No operator intervention is required
- ✚ Increases application availability
- ✚ Simplifies system administration

Supports All HP NonStop Application Types