

FORCERECONCILE YES / FULL / NO (=default)

Status: TSM/ISP level 8.1.10

All files are compared on SRS with all files on TRS and if necessary synchronized in order to avoid differences.

Parameter FULL (new with 8.1.5)

Once initial reconcile completes, **change tracking processing on SRS** takes over during the next replication(record changes via **change identifier** - list of files in file space). -> Improves performance for FS with lots of files.

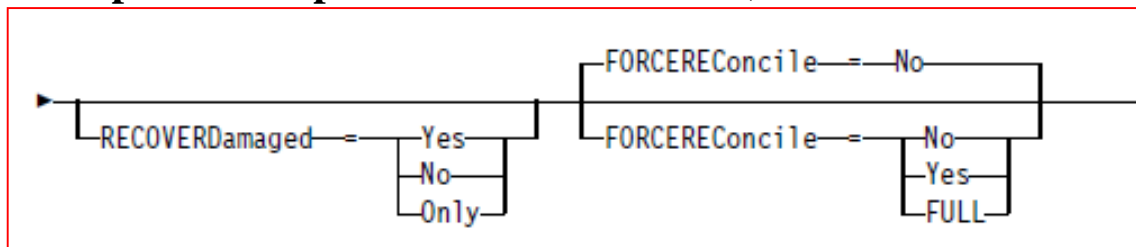
From now on it **only** runs:

- 1.) after a TSM database restore (TSM DB regression) OR
- 2.) manually initiated with "**replicate node**" command.

It is **Restartable** – remembers where it left off if cancelled or after some catastrophic server event. No need to ask TRS for list of files.

Processes only files with a change identifier

Excerpt from **replicate node** command (TSM/ISP 8.1.6 Reference Guide):



when to use "YES or FULL"?

excerpt from TSM/ISP reference guide 8.1.10

- To synchronize files on the source and target replication servers if they are different.
- To replicate inactive files that were skipped after you change your replication rules from ACTIVE_DATA to ALL_DATA.
- To delete inactive files from the target replication server when you change your replication rules from ALL_DATA to ACTIVE_DATA.
- To ensure that you replicate only active data when you are using the ACTIVE_DATA replication rule so that the target replication server has active files only.
- To resynchronize the files so that the target replication server has the same files as the source replication server if you have previously or are currently using the policies on the target replication server to manage replicated files.

- To resynchronize the files on the source and target replication servers if the database is regressed to an earlier point-in-time by using a method other than the **DSMSERV RESTORE DB** command.
- To rebind files to the new management class on the target replication server if this management class did not exist when the files were replicated. You must be using the policies that are defined on the target replication server to manage replicated files.
- To remove all files on a target server for a node and file space that do not exist on the replication source server.

Remark MALITZ: the **last bullet** is new (8.1.5) and is used/valid for **forcereconcile=FULL**

Remember: When the **ACTIVE_DATA** rule is assigned, a reconcile is completed only for active files on the source replication server.

Yes

Specifies that replication processing forces a reconcile to compare all files on the source replication server with files on the target replication server and synchronizes the files on the target replication server with the source replication server. The **FORCERECONCILE=YES** parameter value applies only if the **PURGEDATA** parameter is set to NO.

FULL

Specifies that replication processing forces a reconcile to compare all files on the source replication server with files on the target replication server and synchronizes the files on the target replication server with the source replication server. Any files that do not exist on the source replication server are removed from the target replication server. Files might be removed for the following reasons:

- As a result of file space backup or import operations, files on the target replication server are no longer managed by replication processing.
- Replication-related orphaned objects on the target server are no longer managed by replication processing.

Restrictions:

- Objects are deleted from the target replication server when nodes and file spaces are recognized by a replication process but the objects are not recognized.
- The **FORCERECONCILE=FULL** parameter value applies only if the **PURGEDATA** parameter is set to NO.

Source: Spectrum Protect Reference Guide 8.1.10