

Distribution Agent errors 1326, 2250, 4891, 13800, 21036

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Issue

The customer has successfully configured Transactional Replication. The Snapshot Agent has created the snapshot, but when the Distribution Agent tries to apply the snapshot to the Subscriber database, it is running into several errors:

Error 1 - Error: 4891 - *"Insert bulk failed due to a schema change of the target table." Message: Replication-Replication Distribution Subsystem: agent <name-of-distrib-agent>-1 failed. The process could not bulk copy into table "dbo"."xxx_table_name".ErrorId = 42179, SourceTypeId = 0 ErrorCode = " ErrorText = "*

Error 2 - Error: 1326/2250 - *The process could not read file X due to OS error 1326 [ERROR_LOGON_FAILURE, The user name or password is incorrect.]. As a result of this failure, the agent attempted to close the connection, however, that also failed with: Disconnected from Azure Storage Y with OS result code: 2250 [ERROR_NOT_CONNECTED, This network connection does not exist.].*

Error 3 - Error: 13800 - *INSERT BULK statement does not support recompile*

Error 4 - Error: 21036 - *Another distribution agent for the subscription or subscriptions is running, or the server is working on a previous request by the same agent.*

Investigation / Analysis

All the errors could be seen on Replication monitor. The Distribution Agent Job also contains the errors mentioned. Tables [MSrepl_errors](#), [MSdistribution_history](#), and [MSsnapshot_history](#) from the distribution database can also be queried.

Mitigation



Error 1 - In general, this error occurs during BCP-in command when there are parallel index rebuilds and/or auto update stats is on while BCP command is executing. In a certain setup, it has been observed that the affected subscriber table had more indexes than the corresponding publisher table. Regardless of that, customer is advised to remove/disable all indexes on subscriber tables while BCP operations are in progress and also to check and if necessary to turn off the auto update stats on the subscriber side.

Error 2 - Check [Error 2250 - Distribution agent error](#)

Error 3 - While this Error is still under active investigation, initial analysis states that dropping all indexes (except PK) on the Subscriber side and retrying the operation might fix the issue. A second theory relates this to a defect, results pending with ongoing investigation. A third theory also states that the error is produced if an Index Rebuild Job and Snapshot loading job in replication step over one another. Disabling the Index rebuild job has helped in some situations.

Error 4 - It already suggests that there are multiple Distribution Agents running at the same time. This error is thrown only in cases when Distribution Agent is running and trying to acquire a lock that ensures only one agent is running at a time. If it cannot acquire it, it means there is another agent already running and the abovementioned error is thrown. The easiest solution is to stop all Distribution Agents and run only one instance. It is also possible that the Distribution Agent had crashed previously and left an orphaned connection behind. The orphaned connection will be cleaned up eventually, but you might also check `sys.dm_exec_connections` and `sys.dm_exec_sessions` and kill any left-over agent connections.

Internal reference

- [Work Item 1589492](#) 
- [ICM 281683524](#) 

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