

# Data Sync - common errors

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## Common Errors

When adding an on-premise member database to a datasync2.0 sync group, the end user needs to configure local sync agent:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-get-started-sql-data-sync> 

Sometimes, the end user may run into errors.

“Submitted agent key is invalid. The agent key could not be parsed as expected. Please resubmit a valid agent key”

“Please enter a valid agent key to proceed. The key must be generated from SQL Data Sync web portal”

System.Data.SqlClient.SqlException,Message=Timeout expired. The timeout period elapsed prior to completion of the operation or the server is not responding. This failure occurred while attempting to connect to the routing destination”

Those errors are most likely rooted at the insufficient user permissions. To be able to successfully configure the on-prem sync agent, the login/user, who is setting up the sync, needs the minimum permissions like below:

1. A member of Azure SQL server CONTRIBUTOR
2. A member of < DataSync\_Executor > role in sync metadata database
3. On hub/member databases:

Objects	Permission
Table	CREATE, ALTER
Database	ALTER
Stored Procedure	CREATE
Schema	SELECT, ALTER
User Defined Type	CREATE

How good have you found this content?

