

# Service broker

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## Public Doc Reference

### Service broker support in MI

Cross-instance service broker isn't supported:

- **sys.routes:** As a prerequisite, you must select the address from sys.routes. The address must be LOCAL on every route. See [sys.routes](#).
- **CREATE ROUTE:** You can't use CREATE ROUTE with ADDRESS other than LOCAL. See [CREATE ROUTE](#).
- **ALTER ROUTE:** You can't use ALTER ROUTE with ADDRESS other than LOCAL. See [ALTER ROUTE](#).


<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance-transact-sql-information>

### Service Broker

<https://docs.microsoft.com/en-us/sql/database-engine/configure-windows/sql-server-service-broker?view=sql-server-ver15>

**Below is the recommended solution customer was presented before creating a support request for this topic.**

## Service broker and Query Notifications

[Service broker](#)  technology in Managed Instance enables you to implement native and reliable in-database asynchronous message passing functionalities.

## Recommended Steps

If you are experiencing some issues with Service Broker or Query notifications, some of the following steps might help you to troubleshoot the issues:

- Look at the [known issues and limitations](#) ☐ and check are you using some unsupported syntax or feature. As an example, cross-instance message passing or [Event notifications](#) ☐ are not supported.
- Check the status of the messages in `sys.transmission_queue` view.
- If you are using message passing with encryption, make sure that you have setup database encryption keys.
- Try to identify some issues in error log such as `Message Service Broker needs to access the master key in the database .`
- Monitor Service Broker using [XEvents](#) ☐
- Use Profiler to track the following events: `Broker/Broker:Conversation` , `Broker/Broker:Message Undeliverable` and `Broker/Broker:Remote Message Acknowledgement` .
- Make sure that you implement retry-logic in the application code that handles Query Notifications. Depending on the value of [SqlNotificationInfo](#) ☐ in [SqlNotificationEventArgs](#) ☐ you need to handle events such as `Error` or `Restart` and retry the query.
- If the messages are sent but the activation procedure is not triggered, check does the user who is authorized to run the procedure has enough permission. As a temporary solution try to assign more permission to the user using `ALTER AUTHORIZATION ON DATABASE::<database name> TO <login name>` Or set `ALTER DATABASE <database name> SET TRUSTWORTHY ON` to see would this resolve the issue.

## Recommended Documents

- [Service broker in Managed Instance](#) ☐

**How good have you found this content?**

