

Operation timeout while joining MI to hybrid link

Last updated by | Vitor Tomaz | Feb 24, 2023 at 3:31 AM PST

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Issue

Customer may face an operation timeout while joining Managed Instance to hybrid link

New Managed Instance link



Results

[Introduction](#)[Requirements](#)[Select Databases](#)[Select Managed Instance](#)[Specify Distributed AG Options](#)[Summary](#)**Results**[Help](#)

Summary:

Statu	Task	Details
✓	Scripting setup	Success
✓	Create Microsoft PKI certificate	Success
✓	Create DigiCert PKI certificate	Success
✓	Export Managed Instance certificate	Success
✓	Import Managed Instance certificate to local server	Success
✓	Export local server certificate	Success
✓	Import local server certificate to Managed Instance	Success
✓	Create availability group (database 'db-prem-01')	Success
✓	Availability group health check	Success
✓	Create distributed availability group (database 'db-prem-01')	Success
✗	Join Managed Instance to hybrid link (database 'db-prem-01')	Error
	Scripting cleanup	

Microsoft SQL Server Management Studio



Operation timeout. Please check there exists network connectivity and a firewall rule allowing traffic on port 5022 between SQL Server and Managed Instance.

HTTP Status Code: 408

Operation ID: 24125d97-888d-408e-8b15-5956511b7e05 (Microsoft.SqlServer.Management.HadrTasks)

[Help](#)[Copy message](#)[Show details](#)[OK](#)[< Previous](#)[Next >](#)[Close](#)

Error message details

```
=====

Operation timeout. Please check there exists network connectivity and a firewall rule allowing traffic on port
HTTP Status Code: 408
Operation ID: xxxxx-888d-408e-8b15-5956511b7e05 (Microsoft.SqlServer.Management.HadrTasks)

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For help, click: https://go.microsoft.com/fwlink?ProdName=Microsoft+SQL+Server&ProdVer=16.100.47021.0&EvtSrc=M
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Program Location:

    at Microsoft.SqlServer.Management.Hadr.ManagedInstanceLink.ManagedInstanceLinkWizardData.<>c__DisplayClass2
    at Microsoft.SqlServer.Management.Hadr.ManagedInstanceLink.MIHybridLinkWorkItem.DoWork()
    at Microsoft.SqlServer.Management.TaskForms.SimpleWorkItem.Run()

<----->
```

Investigation/Analysis

Both 5022 and 11000-11999 ports need to be reachable from SQL Server.
You can use the steps available in [How-to test failover group connectivity between primary and secondary SQL Managed Instances](#) to test connectivity from SQL Server to Azure SQL MI.

Note that SQL MI does not need to reach SQL Server on 11k range.

Here's an example where 11k range is not reachable:

Results Messages						
	step_name	TcpTestResult	RemoteAddressResult	run_status	run_duration	message
1	Test Port 5022	TcpTestSucceeded : True.	RemoteAddress : 10.44.1.254	1	4	Executed as
2	Test HADR Port	TcpTestSucceeded : False.	RemoteAddress : 10.44.1.4	1	30	Executed as

Mitigation

Fix the connectivity between SQL Server and SQL Managed Instance.

Public Doc Reference

- [Test bidirectional network connectivity](#)

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause:
Root Cause: Azure SQL v3\Surface Area\Managed Instance Link

How good have you found this content?

