

[SQL MI] How to connect to SQL MI for Copy Activity (Public Endpoint)

Last updated by | Veena Pachauri | Mar 9, 2023 at 12:00 AM PST

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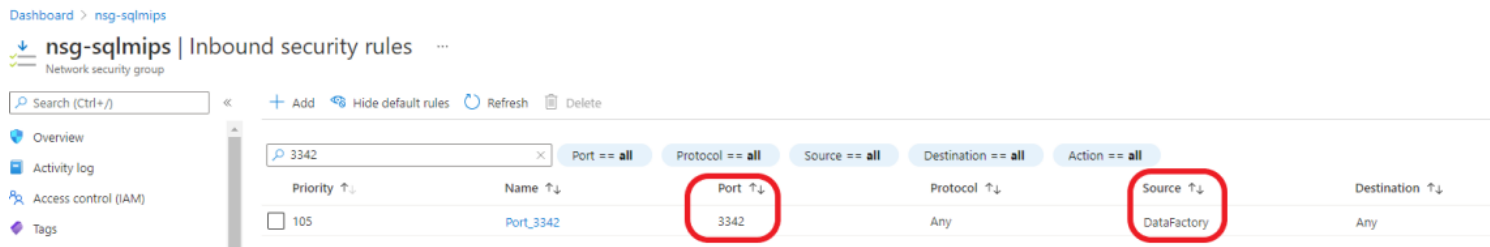
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Issue

The customer wants to open and connect to the public endpoint of a SQL MI and connect to a data factory for copy/dataflow activity.

Resolution

1. By default when enabling Public Endpoint in SQL MI, the is required to open port 3342 on the corresponding NSG for the subnet.
2. For pipeline activities (like Copy, Lookup, etc) port 3342 can restrict the incoming calls to only Data Factory IPs/Service tag.
3. To open the port, follow the steps below: -
 - Navigate to NSG for SQL MI (NSG name can be found from Virtual network - >Subnets)
 - In NSG open "Inbound security rules" and click on Add.
 - Create a rule with the source as "Service Tag" and the value would be "DataFactory" with Destination port as 3342 and click "Add".
 - Note: Choose a priority where a smaller priority does not block the incoming network on the port.



4. Create a linked service with a public endpoint in Data Factory.

Edit linked service (Azure SQL Database Managed Instance)

Description

Connect via integration runtime * ⓘ

AutoResolveIntegrationRuntime

Connection string

Azure Key Vault

Account selection method ⓘ

☒ From Azure subscription

☐ Enter manually

Azure subscription

MT-Big Data-ADF-Redmond-Microsoft Azure Internal (781f9a96-05be-4947-afd0-39...

Server name *

sqlmi

Endpoint type

☒ Public endpoint

☐ Private endpoint

Database name *

test

Authentication type *

SQL authentication

User name *

psadri

Password *

Additional connection properties

+ New

Apply

✔ Connection successful

Test connection

Cancel

How good have you found this content?

https://supportability.visualstudio.com/AzureDataFactory/_wiki/wikis/AzureDataFactory/463812/-SQL-MI-How-to-connect-to-SQL-MI-for-Copy-Activity-(... 2/2