

[SQL MI] How to connect to SQL MI for Data Flow (Public Endpoint)

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

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Issue: -

How to open and connect to the public endpoint of a SQL MI and connect to a data factory for copy/dataflow activity. The customer has whitelisted the DataFactory Service Tag and the Linked Service tag connection is successful but preview fails with below error

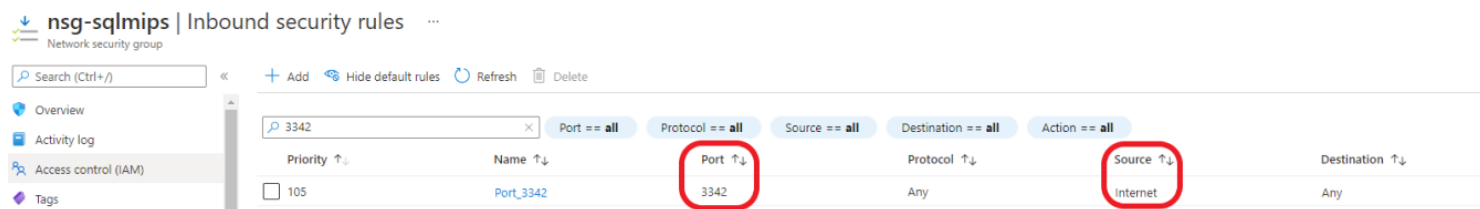
Error at Source 'source1': java.lang.RuntimeException: Cannot connect to SQL database: 'jdbc:sqlserver://xxxx.

Cause

Linked Service network connection uses "Data Factory IP's/service tag" while Data Flow uses spark cluster in the backend and they have a dynamic IP which is not part of Data Factory Service Tag.

Resolution

Customer needs to change the NSG rule from allowing the "DataFactory" service tag to open the port to "Internet" service tag or "Source" as "Any"



Note :

The customer might be hesitant on opening port 3342 to the internet due to security risk but currently, due to limitation there are only 2 option to use SQL MI in Data Flow

1. Open Port 3342 to the Internet
2. Stage the Data using Copy activity to another source (SQL or Blob) and then continue with Data Flow.

For instance: -

- Stage 1: - SQL MI -> Copy - > Blob
- Stage 2: - Blob -> Data Flow -> Blob
- Stage 3: - Blob -> Copy -> SQL MI

How good have you found this content?

