

MI not enforcing Minimum TLS Version in certain scenarios + mitigation

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Issue

We have recently become aware of possibility for the SQL MI to disregard the minimal TLS version setting, effectively permitting all versions of the TLS protocol to connect to the MI instances.

Investigation/Analysis

For this to happen, two things must hold: • The setting must not have been changed from its value as configured at instance creation time. • The customer must be using the proxy connection type to connect. If these two conditions are true, then customers will be able to connect to the SQL Managed Instance (via either public or private endpoint) using a client that negotiates a lower TLS version than the one configured on the MI side.

Mitigation

To mitigate this and enforce the minimal TLS version, customers can change the minimal TLS version to any other value, then return it to the desired value as described in [Configure minimal TLS version - managed instance - Azure SQL Managed Instance | Microsoft Docs](#). 

RCA Template (optional)

TBD

Public Doc Reference (optional)

[Configure minimal TLS version - managed instance - Azure SQL Managed Instance | Microsoft Docs](#). 

Internal Reference (optional)

A fix is in progress and will be fully deployed / backfilled in the next couple of months.

We expect a very low volume of customers reporting in that they've noticed a discrepancy between the version of TLS used on the client side and the one configured as minimally allowed by the MI. For illustration, out of some 1,000 instances presently meeting the above two criteria, only around 50 have been connected to via a lower-version TLS connection, of which only 1 has ever noticed the discrepancy, over the course of the last year or so.

Root Cause Classification

Managed Instance

How good have you found this content?

