Unable to see SQL Agent role in Managed Instance after provisioning required roles

Last updated by | Vitor Tomaz | Aug 5, 2020 at 12:45 PM PDT

There is a bug in Managed Instance where customer are able to see the SQL Agent in SSMS if using the sysadmin account but when trying to provision the following (msdb) roles to additional users, these users are not able to see the Agent:

- SQLAgentUserRole
- SQLAgentReaderRole
- SQLAgentOperatorRole

From <https://docs.microsoft.com/en-us/sql/ssms/agent/sql-server-agent-fixed-database-roles?view=sql-server-2017>

Workaround is the following:

1. Run this script on the Managed Instance presenting the issue. This is to alter a required stored procedure.
   a. <<SqlAgentRoleMitigation.sql>>
2. Then, we must create a user in master for every login that will access SQL Agent thru SSMS and grant EXECUTE permissions to the following SPs:

   USE [master]

   GO

   CREATE USER [user_name] FOR LOGIN [login_name]

   GO

   GRANT EXECUTE ON master.dbo.xp_sqlagent_enum_jobs TO [user_name]

   GRANT EXECUTE ON master.dbo.xp_sqlagent_is_starting TO [user_name]

   GRANT EXECUTE ON master.dbo.xp_sqlagent_notify TO [user_name]

3. When working with AAD users and/or groups, please note that Managed Instance has AAD logins from external providers in preview, so this works to.

No ETA is available on the fix, but it's already underway.

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