SQL Server Agent

Last updated by | Vitor Tomaz | Nov 22, 2021 at 1:18 PM PST

Contents

Below is the recommended solution customer was presented before creating a support request for this topic.

SQL Server Agent

[SQL Server Agent](#) ⧉ is a Microsoft Windows service that executes scheduled administrative tasks, which are called jobs in SQL Server 2019 (15.x).

Recommended Steps

If you are experiencing problems with SQL Server Agent, some of the following steps might help you to troubleshoot the issues:

I cannot see my SQL Server Agent node in Object explorer

There are three fixed DB [SQL Server Agent roles](#) ⧉:

- SQLAgentUserRole
- SQLAgentReaderRole
- SQLAgentOperatorRole

When users who are not members of one of these roles are connected to SQL Server in SQL Server Management Studio, the SQL Server Agent node in Object Explorer is not visible. A user must be a member of one of these fixed database roles or a member of the sysadmin fixed server role to use SQL Server Agent.

I'm getting "The EXECUTE permission was denied on the object <object_name> (Microsoft SQL Server, Error: 229)" error

Each of the logins added to SQL Agent fixed database roles needs to [explicitly grant EXECUTE permissions](#) ⧉ to the stored procedures listed below:

- `USE [master]`
- `GO`
- `CREATE USER [login_name] FOR LOGIN [login_name]`
- `GO`
- `GRANT EXECUTE ON master.dbo.xp_sqlagent_enum_jobs TO [login_name]`
- `GRANT EXECUTE ON master.dbo.xp_sqlagent_is_starting TO [login_name]`
- `GRANT EXECUTE ON master.dbo.xp_sqlagent_notify TO [login_name]`

How can I disable my SQL Server Agent?

For managed instance enabling and disabling of SQL Server Agent is currently not supported. SQL Agent is always running.

SQL Agent email notifications

Email notifications are supported, although it is required that you configure a Database Mail profile. SQL Server Agent can use only one Database Mail profile, and it must be called **[AzureManagedInstance_dbmail_profile](#)** ⧉ . If this profile is missing you can see errors like "profile name is not valid [SQLSTATE 42000] Error 14607."

SQL Agent job history retention

For managed instance, it is not supported to change SQL Agent job history retention. Default job history retention is set to 1000 rows. If you need this feature due to business requirements, please vote for this feature on **[Azure feedback forum](#)** ⧉

Recommended Documents

- [Managed instance T-SQL differences and limitations (SQL Server Agent)](#) ⧉
- [SQL Agent roles need explicit EXECUTE permissions for non-sysadmin logins](#) ⧉

How good have you found this content?

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