SQL Agent

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Contents

- Public Doc Reference
    - SQL Agent in MI
    - SQL Server PowerShell
    - SQL Agent Job History Retention
    - SQLAgentReaderRole has permission to create their own job
    - How to deny a user from creating agent jobs?
    - SQL Agent expected behavior during failover

Public Doc Reference

SQL Agent in MI

https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/transact-sql-tsql-differences-sql-server#sql-server-agent

SQL Server PowerShell

SQL Server PowerShell

SQL Agent Job History Retention

For managed instance, it is not supported to change SQL Agent job history retention. Default job history limitation is set to 1000 rows.

If customer wants to persist longer history, they can manually save the job history to temp table. Follow Persisting SQL Agent job history in Managed Instance.

SQLAgentReaderRole has permission to create their own job

https://docs.microsoft.com/en-us/sql/ssms/agent/sql-server-agent-fixed-database-roles?view=sql-server-ver15#sqlagentreaderrole-permissions

How to deny a user from creating agent jobs?

If customer want to deny a user from creating agent jobs, they cannot use SQLAgentReaderRole to achieve the goal since SQLAgentReaderRole has permission to create their own jobs by default.

They can run the script from sysadmin:

```
USE msdb;
DENY EXECUTE ON OBJECT::sp_add_job
    TO <user>;
GO
```

SQL Agent expected behavior during failover

SQL Agent will be impacted by planned or unplanned failover. During the failover, you may see SQL Agent job shows as "not running", "scheduled", but next runnning time is unknown because SQL Agent needs some time to boot.

Agent Job Activity:										
Name ▲	Enabled	Status		Last Run Outcome	Last Run	Next Run	Category	Runnable	Scheduled	Ca
psjob	yes	Idle		Succeeded	3/3/2021 3:35:29 PM	not scheduled	[Uncategorized (Local)]	yes	no	0
sleepjob	yes	Idle		Succeeded	3/6/2021 9:05:01 AM	not scheduled	[Uncategorized (Local)]	yes	yes	0

When SQL Agent boots(few minutes) after the failvoer, we will get the next run time. The job itself will be interrupted because of failover.

Agent Job Activity:									
Name ▲	Enabled	Status		Last Run Outcome	Last Run	Next Run	Category	Runnable	Scheduled
psjob	yes	Idle		Succeeded	3/3/2021 3:35:29 PM	not scheduled	[Uncategorized (Local)]	yes	no
sleepjob	yes	Idle		Succeeded	3/6/2021 9:05:01 AM	3/6/2021 9:20:00 AM	[Uncategorized (Local)]	yes	yes

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