



ZIMCORE HUBS INC.

KNOWLEDGE BASE ARTICLE#1

How to check the status of a SQL Server job

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Why are SQL Server jobs important?

SQL Server can automate tasks, such as running database backups, deleting older backups, and rebuilding indexes. These jobs sometimes go offline due to various circumstances, such as low hard drive space. It is up to you, the analyst, to diagnose the error with these jobs and come to a resolution, without escalation if possible.

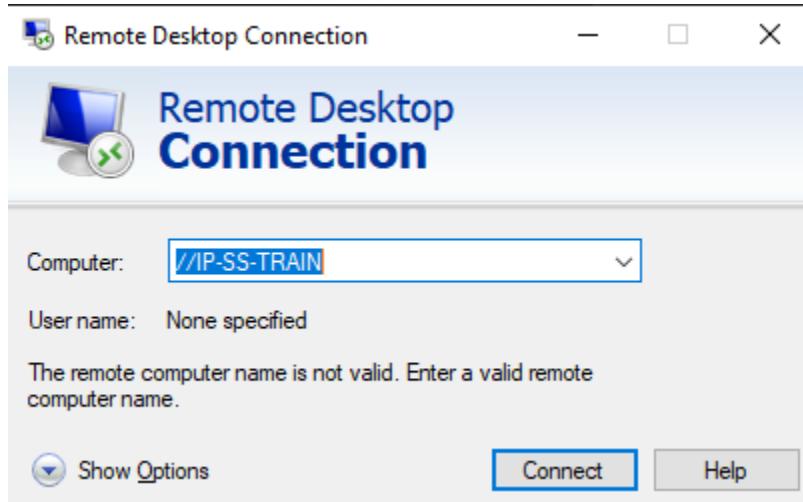
What you will need

1. “Blue” admin card
2. Server(instance name
3. Remote Desktop Connection
4. Employee badge
5. Admin access to the specific server

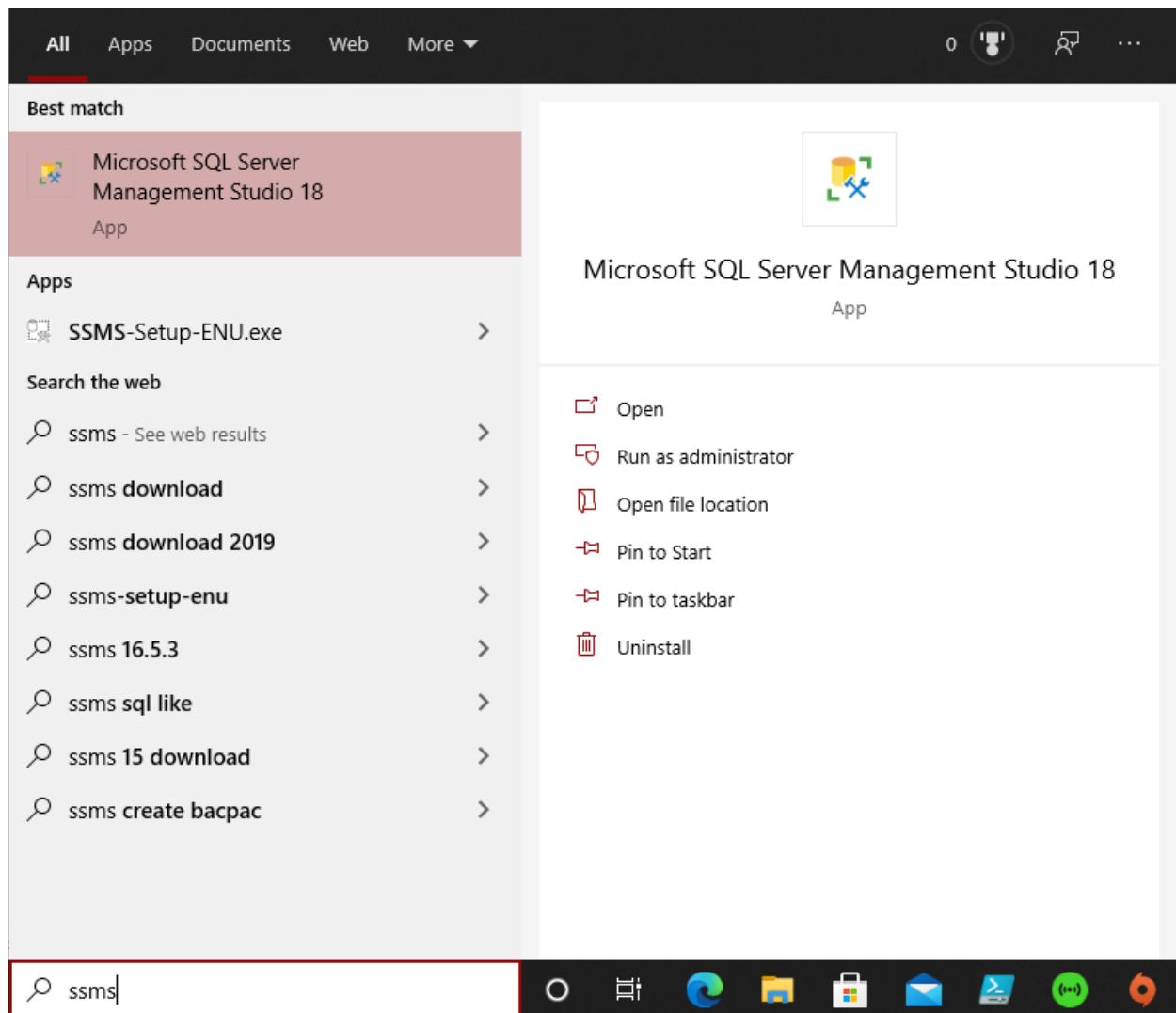
How to open SQL Server

- Once you’re connected to the VPN, copy the server(instance name from the subject of the email alert

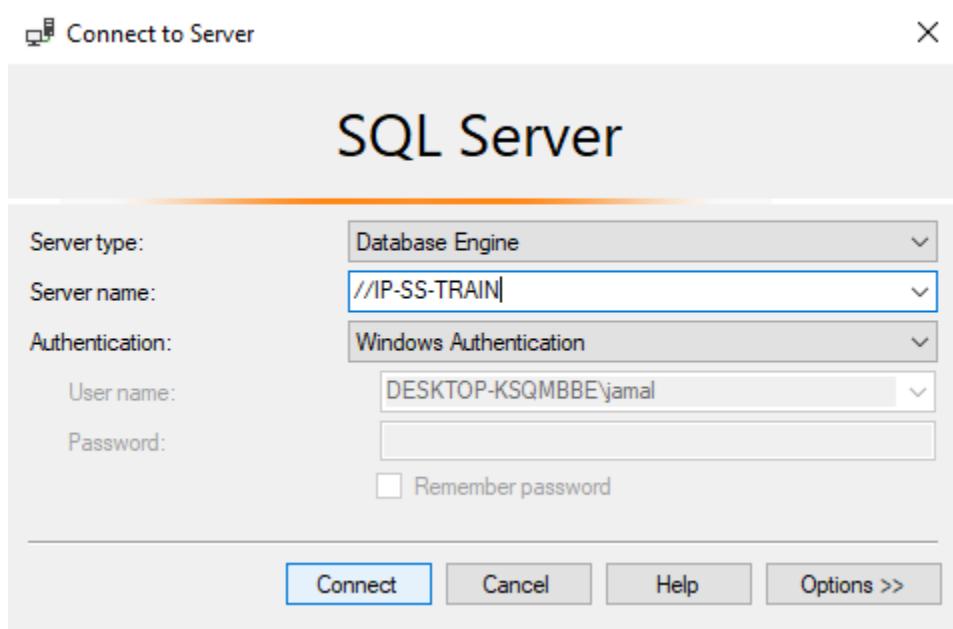
- Click the magnifying glass in the bottom left corner, then search for “Remote Desktop Connection”



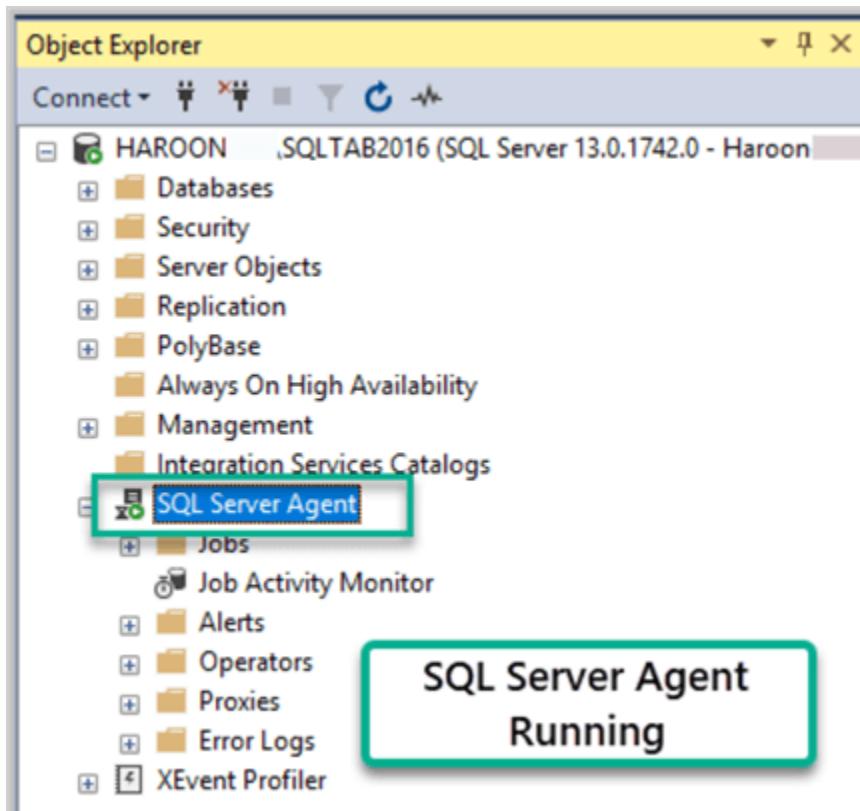
- Paste the server/instance name into the “Computer” box
- Click on the “Sign in with your administrator card” option, then enter the PIN number associated with your card
- Once the server loads, click on the magnifying glass again, then search for “SSMS”



- The server information should already be entered into the box. You should have access, assuming you have admin access to the server



- If you do not have admin access, consult the SQL Server Database Administrator in your team
- Once you're connected to the server, click on “SQL Server Agent” > “Jobs”



- Find the name of the job located in the email alert (example: MSDB_DBBackup)
- Right click the job > “View History”

Log File Viewer - SHELDON\SQL2017

The screenshot shows the 'Log File Viewer' interface. On the left, a sidebar titled 'Select logs' lists several log categories: 'Job History' (selected), 'Job with 1 step', 'Job with 5 steps', 'syspolicy_purge_history', 'SQL Server Agent', and 'Database Mail'. The main area is titled 'Log file summary: No filter applied' and contains a table with four columns: Date, Job Name, Step Name, and Step ID. The table lists multiple entries for 'Job with 5 steps' and 'Job with 1 step' from January 23, 2019, at 2:31:40 PM to 2:10:51 PM. Most entries have a green checkmark icon next to the date, indicating success. One entry for 'Job with 1 step' at 2:12:01 PM has a red X icon, indicating failure.

Date	Job Name	Step Name	Step ID
1/23/2019 2:31:40 PM	Job with 5 steps		
1/23/2019 2:31:40 PM	Job with 5 steps	step 5	5
1/23/2019 2:31:40 PM	Job with 5 steps	step 4	4
1/23/2019 2:31:40 PM	Job with 5 steps	step 3	3
1/23/2019 2:31:40 PM	Job with 5 steps	step 2	2
1/23/2019 2:31:40 PM	Job with 5 steps	step 1	1
1/23/2019 2:31:30 PM	Job with 5 steps		
1/23/2019 2:31:31 PM	Job with 5 steps	step 5	5
1/23/2019 2:31:30 PM	Job with 5 steps	step 4	4
1/23/2019 2:31:30 PM	Job with 5 steps	step 3	3
1/23/2019 2:12:01 PM	Job with 1 step		
1/23/2019 2:12:01 PM	Job with 1 step	step 1	1
1/23/2019 2:10:51 PM	Job with 1 step		
1/23/2019 2:10:51 PM	Job with 1 step	step 1	1

- The job succeeded if the most recent alert has a green check mark. The job failed if the most recent alert has a red x
- If you see a red x, click on the alert, and expand the text box at the bottom to view the entire error message

Date	S.	S...	J..	S.	N.	Message	Duration
3/1/2019 8:30:00 AM	W.	S.				The job failed. The Job was invoked by Schedule 43 (S...). The last step to run was step 1 (S...).	00:00:39
3/1/2019 8:30:02 AM	1	W.	S.	S.		Executed as user: . The step failed.	00:00:37
3/1/2019 8:30:02 AM	1	W.	S.	S.		Microsoft (R) SQL Server Execute Package Utility Version 13.0.5201.2 for 64-bit Copyright (C) 2016 Microso...	00:00:37

Selected row details:

Date	3/1/2019 8:30:02 AM
Log	Job History [S...]
Step ID	1
Server	W...
Job Name	S...
Step Name	S...
Duration	00:00:37
Sql Severity	0
Sql Message ID	0
Operator Emailed	
Operator Net sent	
Operator Paged	
Retries Attempted	0
Message	Microsoft (R) SQL Server Execute Package Utility Version 13.0.5201.2 for 64-bit Copyright (C) 2016 Microsoft. All rights reserved.
Started:	8:30:02 AM
Package execution on IS Server failed. Execution ID: 10501, Execution Status:4.	
To view the details for the execution, right-click on the Integration Services Catalog, and open the [All Executions] report	
Started:	8:30:02 AM
Finished:	8:30:37 AM
Elapsed:	35.203 seconds

- The error should be near the bottom of the text box (For example: database is in simple mode, low space, job cannot be found)
- Report your findings to the SQL Server Database Administrator for further action