

Restore database stuck due to lack of space available

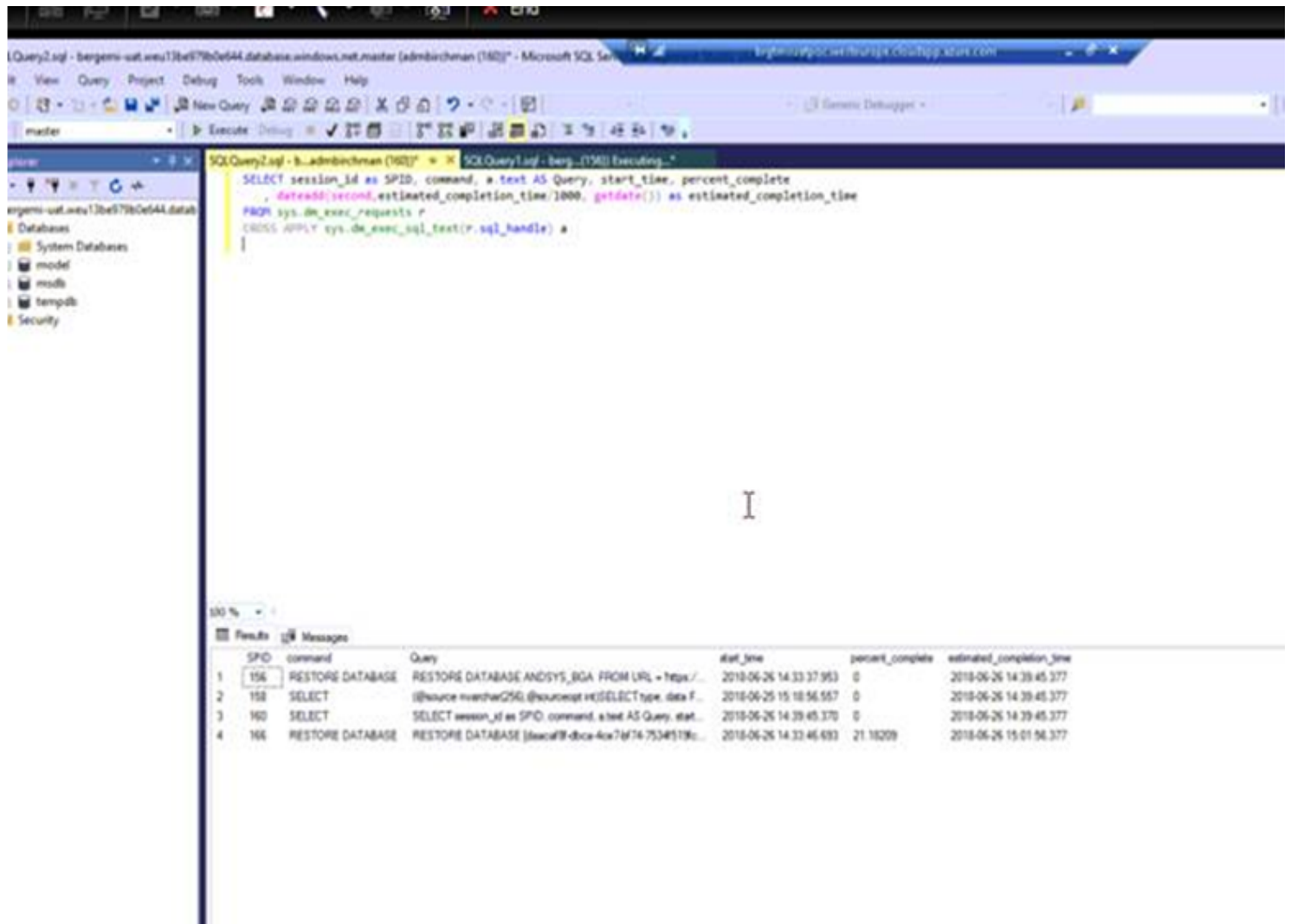
Last updated by | Vitor Tomaz | Sep 16, 2020 at 8:18 AM PDT

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Issue

There is known issue that, when a customer starts a restore operation and there is no space available, the operation will be stuck on 0% and with wait SLEEP_TASK.



The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the server hierarchy for 'bergem-vat.wu13be579b0e644.datab'. The right pane shows a query window with the following SQL query:

```
SELECT session_id as SPID, command, a.text AS Query, start_time, percent_complete  
    , datename(second,estimated_completion_time/1000, getdate()) as estimated_completion_time  
FROM sys.dm_exec_requests r  
CROSS APPLY sys.dm_exec_sql_text(r.sql_handle) a
```

Below the query window, the 'Results' tab is selected, showing a table with 4 rows and 6 columns: SPID, command, Query, start_time, percent_complete, and estimated_completion_time. The data indicates that the restore operation is stuck at 0% completion.

SPID	command	Query	start_time	percent_complete	estimated_completion_time
156	RESTORE DATABASE	RESTORE DATABASE AND SYS_BGA FROM URL = https://...	2018-06-26 14:33:37.953	0	2018-06-26 14:39:45.377
158	SELECT	@source nvarchar(255) @sourceopt nvarchar(255) SELECT type, data F...	2018-06-25 15:18:56.557	0	2018-06-26 14:39:45.377
160	SELECT	SELECT session_id as SPID, command, a.text AS Query, start...	2018-06-26 14:39:45.370	0	2018-06-26 14:39:45.377
164	RESTORE DATABASE	RESTORE DATABASE [source] FROM DISK = 'C:\Program Files\Microsoft SQL Server\...	2018-06-26 14:33:46.693	21.18209	2018-06-26 15:01:56.377

Mitigation

1. Ask customer to increase storage size
2. Check for shrink file opportunities - for instance, a transaction log with huge space allocated.

How good have you found this content?

