Send Daily DB Backup Report via a SQL Agent Job (Author: [SANJAY HUMANIA](https://www.ourtechideas.com/blog/author/sanjay/))

<https://www.ourtechideas.com/blog/database-backup-report-via-email/>

# Scenario

Send Database backup report daily by a Job. Here we will use a TSQL script for the activity.

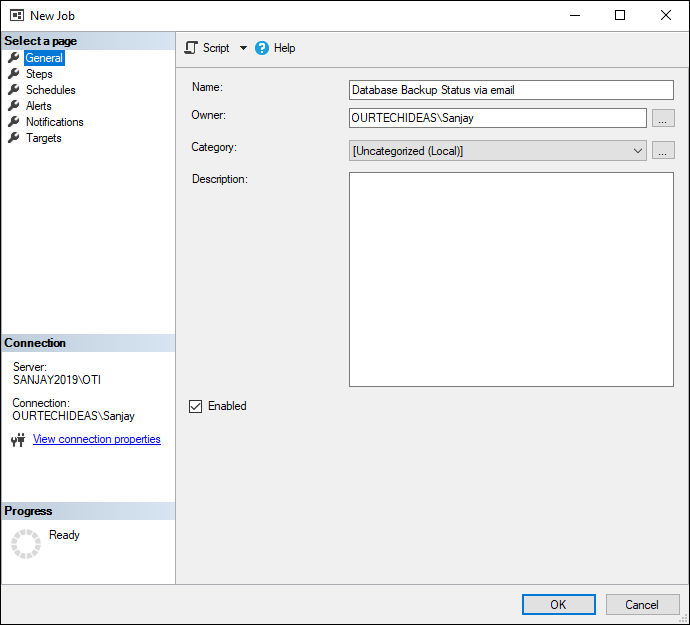
The script will create two temporary tables for the activity and use Database mail profile to send the report via email.

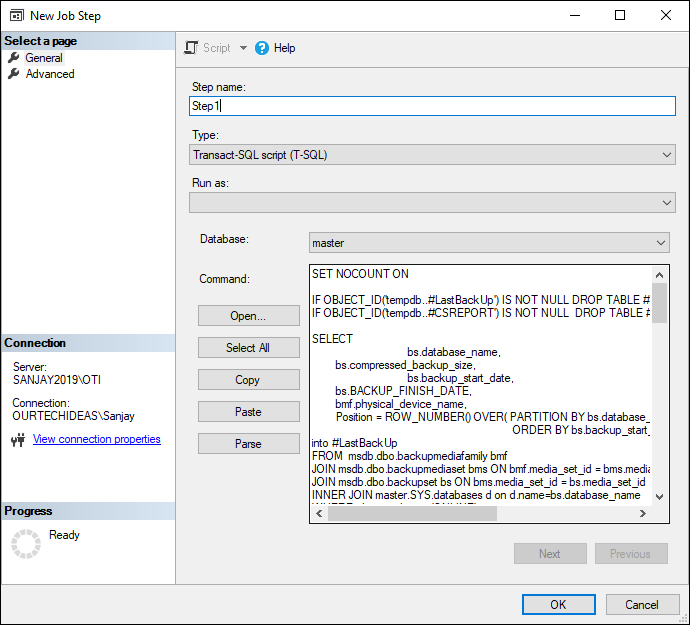


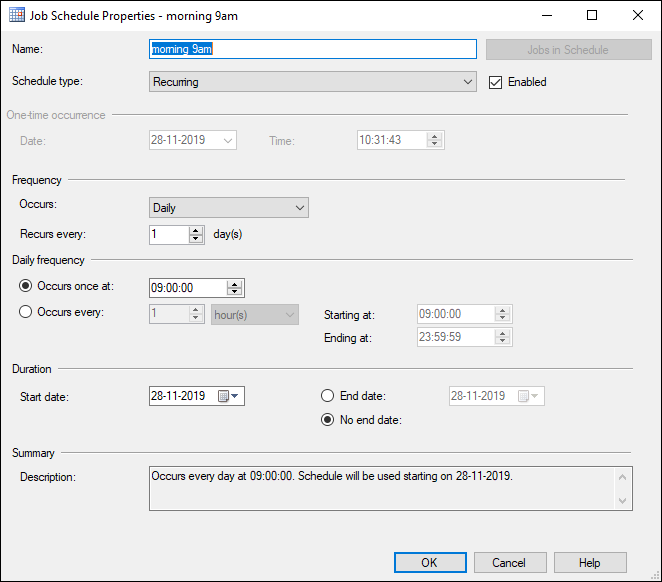
# Steps

1) First Configure Database mail in SQL Server if it is not configured before. You can follow the link for instruction: <https://www.ourtechideas.com/blog/configure-database-mail/>

2) Create a Job for the activity & schedule as per your requirement







3) Modify the script & use it in the Job

* *Must modify in the script*
  + *Email Sender Name*
  + *DB Mail Profile*
  + *Recipients Email*
  + *Copy Recipients Email*

**TSQL Script**

SET NOCOUNT ON

IF OBJECT\_ID('tempdb..#LastBackUp') IS NOT NULL DROP TABLE #LastBackUp;

IF OBJECT\_ID('tempdb..#CSREPORT') IS NOT NULL DROP TABLE #CSREPORT;

SELECT

bs.database\_name,

bs.compressed\_backup\_size,

bs.backup\_start\_date,

bs.BACKUP\_FINISH\_DATE,

bmf.physical\_device\_name,

Position = ROW\_NUMBER() OVER( PARTITION BY bs.database\_name,bs.[type]

ORDER BY bs.backup\_start\_date DESC ),d.recovery\_model\_desc,bs.[type]

into #LastBackUp

FROM msdb.dbo.backupmediafamily bmf

JOIN msdb.dbo.backupmediaset bms ON bmf.media\_set\_id = bms.media\_set\_id

JOIN msdb.dbo.backupset bs ON bms.media\_set\_id = bs.media\_set\_id

INNER JOIN master.SYS.databases d on d.name=bs.database\_name

WHERE d.state\_desc = 'ONLINE'

AND d.is\_read\_only = 0

AND d.source\_database\_id IS NULL

and ISNULL(bs.backup\_finish\_date, GETDATE()-1) > GETDATE() - 3

SELECT

@@servername as servername,

CASE WHEN ISNULL((backup\_finish\_date), GETDATE()-10000) < GETDATE()-31

AND [type] = 'D' THEN 'FAILED'

WHEN ISNULL((backup\_finish\_date), GETDATE()-10000) < GETDATE()-1

AND [type] = 'I' THEN 'FAILED'

WHEN ISNULL((backup\_finish\_date), GETDATE()-10000) < GETDATE()-1

AND [type] = 'L' THEN 'FAILED'

WHEN [type] IS NULL THEN 'FAILED'

ELSE 'BACKUP SUCCESS' END AS BackupStatus,

datediff(d, (backup\_finish\_date), getdate()) as 'full\_dayssincelast',

CASE WHEN [type] = 'D' THEN 'Full Backup'

WHEN [type] = 'I' THEN 'Differential Backup'

WHEN [type] = 'L' THEN 'Transaction Log Backup' END AS BackupType,

database\_name as databasename ,

recovery\_model\_desc AS RecoveryMode,

backup\_start\_date,

BACKUP\_FINISH\_DATE,

CAST((compressed\_backup\_size) / 1048576 AS DECIMAL(10, 2) ) AS backup\_size\_mb,

physical\_device\_name as path,

GETDATE() as insert\_date

INTO #CSREPORT FROM #LastBackUp

ORDER BY backup\_finish\_date desc

DECLARE @tableHTML NVARCHAR(MAX) ;

declare @servername varchar(max)

set @servername=@@SERVERNAME

SET @tableHTML =

N'<H2>Database Backup Status </H2>' +

N'<table border="1" Cellspacing="0" cellpadding="0" style="font-size:x-small;">' +

N'<tr style="background-color:#999999;color:black;font-weight:bold;" align="center">

<td>ServerName</td>' +

N'<td>BackupStatus</td>' +

N'<td> BackupType</td>' +

N'<td> Databasename</td>' +

N'<td> RecoveryMode</td>' +

N'<td> Backup\_start\_date</td>' +

N'<td> BACKUP\_FINISH\_DATE</td>' +

N'<td>Backup\_size\_mb</td>' +

N'<td> Path</td></tr>' +

CAST ( ( SELECT

td = ServerName,'',

td = BackupStatus,'',

td = BackupType,'',

td = Databasename,'',

td = RecoveryMode,'',

td = Backup\_start\_date,'',

td = BACKUP\_FINISH\_DATE,'',

td = Backup\_size\_mb,'',

td = Path,''

FROM #CSREPORT

FOR XML PATH('tr'), TYPE

) AS NVARCHAR(MAX) )+

N'</table>' + N'<BR><BR><BR><BR><BR>Thanks<BR> Sanjay Humania<BR><BR><BR><BR><BR>' ; -- Email Sender Name

if (select count(\*) FROM #CSREPORT) > 0

Begin

declare @sqlstr varchar (500)

set @sqlstr = 'Database Backup Information '+ @servername

EXEC msdb.dbo.sp\_send\_dbmail @profile\_name = 'SQL\_DB\_Email', -- DB Mail Profile

@recipients='sanjay.humania@gmail.com', -- Recipients Email

@copy\_recipients = 'sanjayhumania@gmail.com', -- Copy Recipients Email

@subject = @sqlstr,

@body = @tableHTML,

@body\_format = 'HTML' ;

End

# Sample Mail Result

