**DB Growth - Monthly Wise Report**

<https://www.sqlservercentral.com/forums/topic/need-help-monthly-sql-database-growth-calculation-script>

****

Use master

go

IF OBJECT\_ID('dbinfo', 'U') IS NOT NULL

DROP TABLE dbinfo

go

CREATE TABLE DBINFO

(ID INT IDENTITY(1,1) PRIMARY KEY

,DBNAME VARCHAR(200)

,DBID INT

,SIZE\_DATE DATETIME

,FILE\_NAME VARCHAR(200)

,FILE\_PHYSICAL\_NAME VARCHAR(200)

,FILE\_SIZE FLOAT

,TYPE\_DESC VARCHAR(100)

)

DECLARE @DBNAME VARCHAR(200)

DECLARE @FILENAME VARCHAR(200)

DECLARE @DBID INT

DECLARE @QUERY VARCHAR(200)

DECLARE \_CURSOR CURSOR FOR

SELECT NAME FROM SYS.DATABASES

WHERE STATE\_DESC = 'ONLINE'

OPEN \_CURSOR

FETCH NEXT FROM \_CURSOR INTO @DBNAME

DELETE FROM DBINFO WHERE CONVERT(VARCHAR(100),SIZE\_DATE,111) = CONVERT(VARCHAR(100),GETDATE(),111)

WHILE @@FETCH\_STATUS = 0

BEGIN

SET @QUERY = 'SELECT NAME,PHYSICAL\_NAME,SIZE,TYPE\_DESC FROM '+@DBNAME+'.SYS.DATABASE\_FILES'

PRINT @QUERY

INSERT INTO DBINFO(FILE\_NAME,FILE\_PHYSICAL\_NAME,FILE\_SIZE,TYPE\_DESC)

EXEC(@QUERY)

UPDATE DBINFO SET DBNAME = @DBNAME,DBID = DB\_ID(@DBNAME),SIZE\_DATE = GETDATE()

WHERE DBNAME IS NULL

FETCH NEXT FROM \_CURSOR INTO @DBNAME

END

CLOSE \_CURSOR

DEALLOCATE \_CURSOR

SELECT distinct DBNAME AS DATABASENAME

,((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP2 WHERE TMP2.TYPE\_DESC = 'ROWS' AND TMP2.DBID=TMP1.DBID

AND SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 23:59:59')\*8)/1024

+((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP3 WHERE TMP3.TYPE\_DESC = 'LOG' AND TMP3.DBID=TMP1.DBID

AND SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 23:59:59')\*8)/1024 AS TOTAL\_DATABASE\_SIZE

,((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP2 WHERE TMP2.TYPE\_DESC = 'ROWS' AND TMP2.DBID=TMP1.DBID

AND TMP2.SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 23:59:59' )\*8)/1024 AS CURRENT\_DATA\_SIZE

,((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP3 WHERE TMP3.TYPE\_DESC = 'LOG' AND TMP3.DBID=TMP1.DBID

AND SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 23:59:59')\*8)/1024 AS CURRENT\_LOG\_SIZE

,((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP2 WHERE TMP2.TYPE\_DESC = 'ROWS' AND TMP2.DBID=TMP1.DBID

AND TMP2.SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE()-1,111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE()-1,111) AS VARCHAR(100))+' 23:59:59')\*8)/1024 AS LAST\_DAY\_DATA\_SIZE

,((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP2 WHERE TMP2.TYPE\_DESC = 'ROWS' AND TMP2.DBID=TMP1.DBID

AND TMP2.SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 23:59:59')\*8)/1024

-((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP2 WHERE TMP2.TYPE\_DESC = 'ROWS' AND TMP2.DBID=TMP1.DBID

AND TMP2.SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE()-1,111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE()-1,111) AS VARCHAR(100))+' 23:59:59')\*8)/1024 AS PER\_DAY\_INCREMENT

,((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP2 WHERE TMP2.TYPE\_DESC = 'ROWS' AND TMP2.DBID=TMP1.DBID

AND TMP2.SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE()-30,111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE(),111) AS VARCHAR(100))+' 23:59:59')\*8)/1024

-

((SELECT SUM(FILE\_SIZE) FROM DBINFO TMP2 WHERE TMP2.TYPE\_DESC = 'ROWS' AND TMP2.DBID=TMP1.DBID

AND TMP2.SIZE\_DATE BETWEEN CAST(CONVERT(VARCHAR(100),GETDATE()-60,111) AS VARCHAR(100))+' 00:00:00'

AND CAST(CONVERT(VARCHAR(100),GETDATE()-30,111) AS VARCHAR(100))+' 23:59:59')\*8)/1024 AS PER\_MONTH\_INCREMENT

FROM DBINFO TMP1

WHERE DBID IN(SELECT DISTINCT DBID FROM DBINFO)

Sample Output:

