Nesnelerin SQL Server Üzerinde Kullandığı RAM Miktarını Bulma

SQL Server üzerinde yer alan veritabanı ve diğer nesnelerin ne kadar sistem kaynağı tükettiğini bulmak için aşağıdaki iki temel sorguyu kullanabiliriz.

İlk sorgumuzda veritablanı bazında kullanılan RAM miktarını sorgulayabiliriz.

```
SELECT
[DatabaseName] = CASE [database_id] WHEN 32767
THEN 'Resource DB'
ELSE DB_NAME([database_id]) END,
COUNT_BIG(*) [Pages in Buffer],
COUNT_BIG(*)/128 [Buffer Size in MB]
FROM sys.dm_os_buffer_descriptors
GROUP BY [database_id]
ORDER BY [Pages in Buffer] DESC;
```

	DatabaseName	Pages in Buffer	Buffer Size in MB
1	Tfs_Configuration	19203	150
2	HascelikDocs	15240	119
3	Tfs_MetalMatris	6575	51
4	MasterSecurity9	5113	39
5	tempdb	3188	24
6	Resource DB	2781	21
7	HascelikDof	962	7
8	msdb	564	4
9	HasCelikMisafirDB	306	2
10	master	256	2
11	YYS	213	1
12	MMCustumerFeed	182	1
13	MmPriceTrack	179	1
14	hascelikcertification	175	1
15	Inventory	173	1
16	HascelikMetaDatas	169	1
17	PTS_Metcom	167	1
18	model	29	0

Veritabanı Kullanılan RAM Sorgusu

Diğer sorgumuzda ise Index ve benzeri diğer nesnelerin kullandığı RAM miktarını sorgulayabiliriz.

```
SELECT obj.name [Object Name], o.type_desc [Object Type],
i.name [Index Name], i.type_desc [Index Type],
COUNT(*) AS [Cached Pages Count],
COUNT(*)/128 AS [Cached Pages In MB]
FROM sys.dm_os_buffer_descriptors AS bd
INNER JOIN
(
SELECT object_name(object_id) AS name, object_id
,index_id ,allocation_unit_id
FROM sys.allocation_units AS au
INNER JOIN sys.partitions AS p
ON au.container_id = p.hobt_id
AND (au.type = 1 OR au.type = 3)
UNION ALL
SELECT object_name(object_id) AS name, object_id
,index_id, allocation_unit_id
FROM sys.allocation_units AS au
INNER JOIN sys.partitions AS p
```

```
ON au.container_id = p.partition_id
AND au.type = 2
) AS obj
ON bd.allocation_unit_id = obj.allocation_unit_id
INNER JOIN sys.indexes i ON obj.[object_id] = i.[object_id]
INNER JOIN sys.objects o ON obj.[object_id] = o.[object_id]
WHERE database_id = DB_ID()
GROUP BY obj.name, i.type_desc, o.type_desc,i.name
ORDER BY [Cached Pages In MB] DESC;
```

Results | Messages

	Object Name	Object Type	Index Name	Index Type	Cached Pages Count	Cached Pages In MB
1	syssingleobjrefs	SYSTEM_TABLE	clst	CLUSTERED	4	0
2	sysdbreg	SYSTEM_TABLE	nc2	NONCLUSTERED	3	0
3	syscerts	SYSTEM_TABLE	nc2	NONCLUSTERED	4	0
4	sysiscols	SYSTEM_TABLE	clst	CLUSTERED	4	0
5	sysasymkeys	SYSTEM_TABLE	nc3	NONCLUSTERED	1	0
6	sysallocunits	SYSTEM_TABLE	nc	NONCLUSTERED	5	0
7	syspru	SYSTEM_TABLE	cl	CLUSTERED	2	0
8	sysbrickfiles	SYSTEM_TABLE	clst	CLUSTERED	5	0
9	syscerts	SYSTEM_TABLE	nc1	NONCLUSTERED	4	0
10	sysxlgns	SYSTEM_TABLE	nc2	NONCLUSTERED	3	0
11	syscerts	SYSTEM_TABLE	cl	CLUSTERED	4	0
12	sysdbreg	SYSTEM_TABLE	nc1	NONCLUSTERED	3	0
13	sysowners	SYSTEM_TABLE	clst	CLUSTERED	3	0
14	sysxlgns	SYSTEM_TABLE	cl	CLUSTERED	3	0
15	sysnsobjs	SYSTEM_TABLE	clst	CLUSTERED	1	0
16	syscolpars	SYSTEM_TABLE	nc	NONCLUSTERED	32	0
17	syssingleobjrefs	SYSTEM_TABLE	nc1	NONCLUSTERED	4	0
18	syscolpars	SYSTEM_TABLE	clst	CLUSTERED	32	0
19	sysnsobjs	SYSTEM_TABLE	nc	NONCLUSTERED	1	0
20	sysscalartypes	SYSTEM_TABLE	nc1	NONCLUSTERED	3	0
21	sysxlgns	SYSTEM_TABLE	nc1	NONCLUSTERED	3	0
22	sysrscols	SYSTEM_TABLE	clst	CLUSTERED	13	0
23	sysschobjs	SYSTEM_TABLE	nc1	NONCLUSTERED	70	0
24	sysidxstats	SYSTEM_TABLE	clst	CLUSTERED	5	0
25	syslnklgns	SYSTEM_TABLE	cl	CLUSTERED	1	0
26	sysasymkeys	SYSTEM_TABLE	cl	CLUSTERED	1	0
27	sysallocunits	SYSTEM_TABLE	clust	CLUSTERED	5	0
28	sysschobjs	SYSTEM_TABLE	clst	CLUSTERED	70	0

Nesnelerin Kullandığı RAM Miktarı