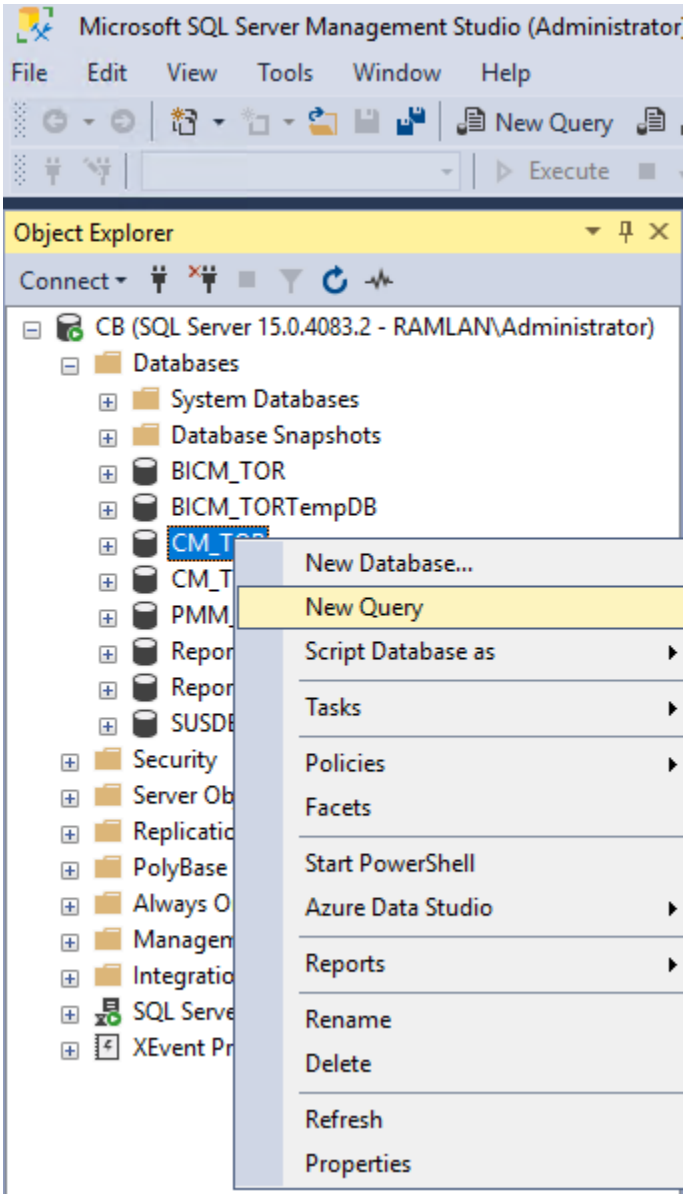
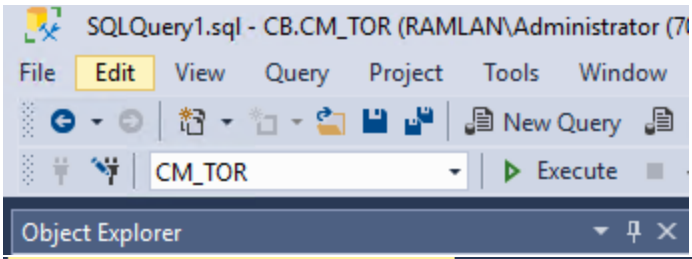
Find Windows Version through SCCM SQL Query

In this post, I am going to share SQL Query that can be used to find Windows version within your network.

In order to run this query, you need access to SSMS and SCCM Database. Open SSMS – Select SCCM Database and run the query.

One of the challenges faced by IT admins is to find the count of Windows 10 machines and their builds and version. This is especially relevant when you want to perform Windows 10 in-place upgrade.





SQLQuery1.sql - CB....Administrator (70))*

```
select v_R_System.Name0 as 'Hostname',
v_R_System.User_Name0 as 'System Username',
v_R_System.Operating_System_Name_and0 as 'Operating System',
v_GS_OPERATING_SYSTEM.BuildNumber0 as 'Windows 10 Build Number',
case
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '19043' then 'Windows 10 21H1'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '19042' then 'Windows 10 20H2'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '19041' then 'Windows 10 2004'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '18363' then 'Windows 10 1909'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '18362' then 'Windows 10 1903'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '17763' then 'Windows 10 1809'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '17134' then 'Windows 10 1803'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '16299' then 'Windows 10 1709'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '15063' then 'Windows 10 1703'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '14393' then 'Windows 10 1607'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '10586' then 'Windows 10 1511'
when v_GS_OPERATING_SYSTEM.BuildNumber0 = '10240' then 'Windows 10 1507'
End as 'Windows 10 Version'
from v_r_system
inner join v_gs_operating_system
on v_R_System.ResourceID=v_GS_OPERATING_SYSTEM.ResourceID
where v_R_System.Operating_System_Name_and0 like '%Microsoft Windows NT Workstation 10.0%'
order by v_R_System.Name0
```

100 %

Results | Messages

	Hostname	System Username	Operating System	Windows 10 Build Number	Windows 10 Version
1	20H2	ram	Microsoft Windows NT Workstation 10.0	19042	Windows 10 20H2
2	21H1MAY	NULL	Microsoft Windows NT Workstation 10.0	19042	Windows 10 20H2

Now we have the result of machines running various Windows 10 version.

Thanks

Ram Lan
20th Jul 2021

Here is the query:

```
select v_R_System.Name0 as 'Hostname',
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v_R_System.Operating_System_Name_and0 as 'Operating System',
v_GS_OPERATING_SYSTEM.BuildNumber0 as 'Windows 10 Build Number',
case
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when v_GS_OPERATING_SYSTEM.BuildNumber0 = '10240' then 'Windows 10 1507'
End as 'Windows 10 Version'
from v_r_system
inner join v_gs_operating_system
on v_R_System.ResourceID=v_GS_OPERATING_SYSTEM.ResourceID
where v_R_System.Operating_System_Name_and0 like '%Microsoft Windows NT Workstation 10.0%'
order by v_R_System.Name0
```