**Identify blocking in SQL Server**

To view blocked process execute the following query:

USE [master]

GO

SELECT session\_id

,blocking\_session\_id

,wait\_time

,wait\_type

,last\_wait\_type

,wait\_resource

,transaction\_isolation\_level

,lock\_timeout

FROM sys.dm\_exec\_requests

WHERE blocking\_session\_id <> 0

GO

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USE [master]

GO

SELECT \* from sys.dm\_tran\_locks

WHERE request\_status = 'CONVERT'

GO

To view locking in the particular database

USE [master]

GO

SELECT tl.resource\_type

,tl.resource\_associated\_entity\_id

,OBJECT\_NAME(p.object\_id) AS object\_name

,tl.request\_status

,tl.request\_mode

,tl.request\_session\_id

,tl.resource\_description

FROM sys.dm\_tran\_locks tl

LEFT JOIN sys.partitions p

ON p.hobt\_id = tl.resource\_associated\_entity\_id

WHERE tl.resource\_database\_id = DB\_ID()

GO

sys.dm\_os\_waiting\_tasks dynamic management view reports information about the blocked

USE [master]

GO

SELECT w.session\_id

,w.wait\_duration\_ms

,w.wait\_type

,w.blocking\_session\_id

,w.resource\_description

,s.program\_name

,t.text

,t.dbid

,s.cpu\_time

,s.memory\_usage

FROM sys.dm\_os\_waiting\_tasks w

INNER JOIN sys.dm\_exec\_sessions s

ON w.session\_id = s.session\_id

INNER JOIN sys.dm\_exec\_requests r

ON s.session\_id = r.session\_id

OUTER APPLY sys.dm\_exec\_sql\_text (r.sql\_handle) t

WHERE s.is\_user\_process = 1

GO

Finally

SELECT

db.name DBName,

tl.request\_session\_id,

wt.blocking\_session\_id,

OBJECT\_NAME(p.OBJECT\_ID) BlockedObjectName,

tl.resource\_type,

h1.TEXT AS RequestingText,

h2.TEXT AS BlockingTest,

tl.request\_mode

FROM sys.dm\_tran\_locks AS tl

INNER JOIN sys.databases db ON db.database\_id = tl.resource\_database\_id

INNER JOIN sys.dm\_os\_waiting\_tasks AS wt ON tl.lock\_owner\_address = wt.resource\_address

INNER JOIN sys.partitions AS p ON p.hobt\_id = tl.resource\_associated\_entity\_id

INNER JOIN sys.dm\_exec\_connections ec1 ON ec1.session\_id = tl.request\_session\_id

INNER JOIN sys.dm\_exec\_connections ec2 ON ec2.session\_id = wt.blocking\_session\_id

CROSS APPLY sys.dm\_exec\_sql\_text(ec1.most\_recent\_sql\_handle)AS h1

CROSS APPLY sys.dm\_exec\_sql\_text(ec2.most\_recent\_sql\_handle)AS h2

GO