



Deadlock Detection, Troubleshooting, and Prevention

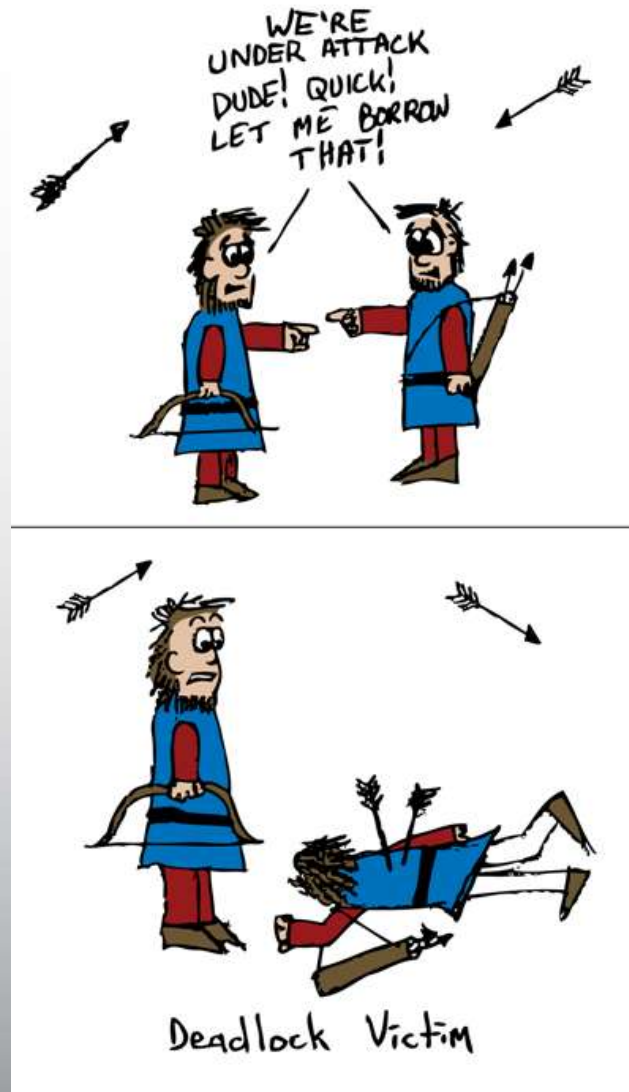
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What is a Deadlock?



Courtesy of Michael Swart (dbwhisperer.blogspot.com)

Detection

Modify error 1205 to be logged

SQL Server 2000
(and earlier)

Trace flag 1204

SQL Server 2005
(and later)

Server-side trace with the
Deadlock Graph event class

Troubleshooting

Database
Engine
Tuning
Advisor

Sanitize
deadlock
data, then
reach out
to the
community

Read blog
posts from
Bart
Duncan

Prevention

Access
tables in the
same order

Keep
transactions
as brief as
possible

Reschedule
batch
processes

Adjust
isolation
levels/
consider
locking
hints

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