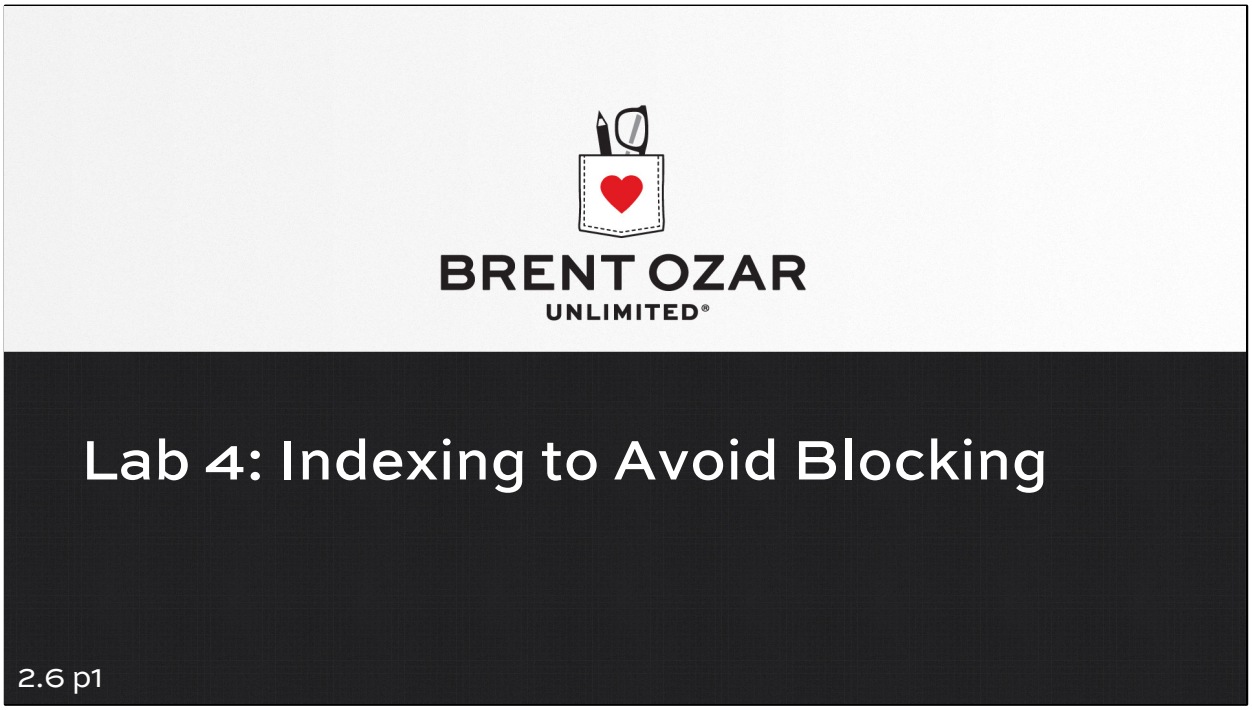


Setting up for lab 4 (20 minutes)

1. Restart your SQL Server service (clear all stats)
2. Restore your StackOverflow database (Agent job)
3. Copy & run the setup script for Lab 4
4. Start SQLQueryStress with the lab #4 workload:
    1. File Explorer, \Labs, SQLQueryStress.exe
    2. Click File, Open, \Labs\IndexLab4.json, Go

In this one, lots of deadlock exceptions are expected.

Doing the lab later?

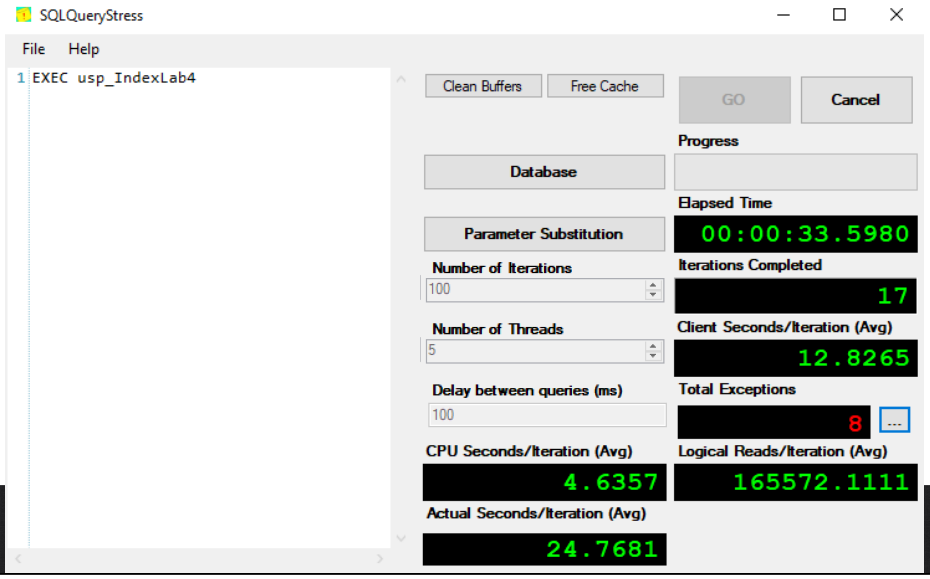
Set this to 100000.

This makes sure your VM stays busy til you're ready.

For the success test, you'll be using the regular iterations to see if the test completes quickly enough.

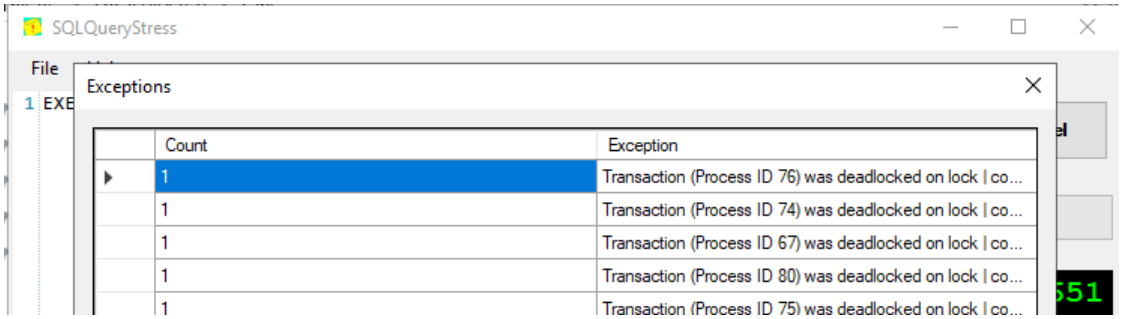
2.6 p3

You'll get more errors in this one.



2.6 p4

They’re gonna be deadlocks.



2.6 p5

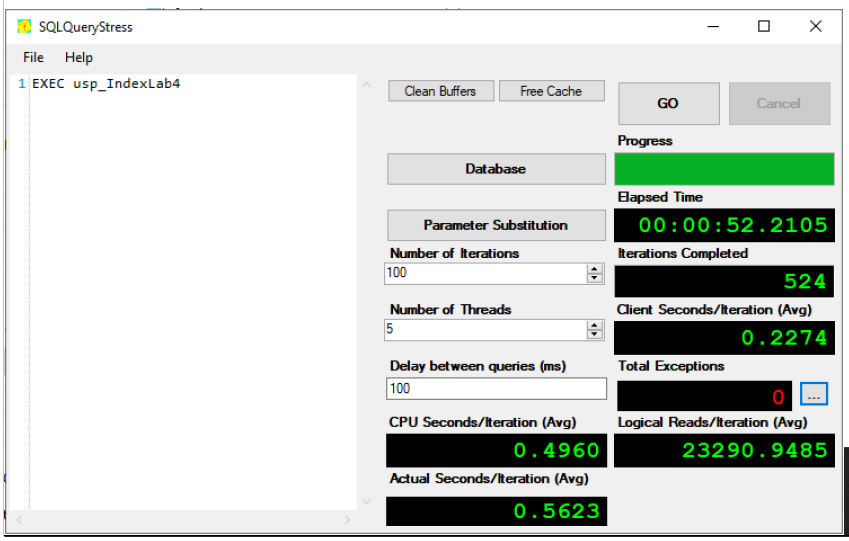
You can use any tool in this lab.

I'll just flat out tell you: you have blocking problems.

1. Use sp_BlitzIndex, sp_BlitzCache, sp_BlitzLock, sp_BlitzWho, sp_WhoIsActive, or all five.
2. Script out changes you want to make, aiming for:
   - 5 or less indexes per table
   - 5 or less fields per index
3. In Slack, tell me what index changes you made, and why.

2.6 p6

With just index changes, you can get the load test to run in 1 minute.



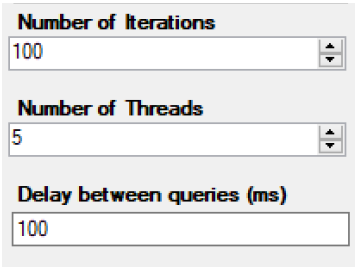
How I'd budget this hour

10-15 minutes: run sp_BlitzIndex, pick one table, and do the DEATH Method on it.

Repeat that process 3x-4x to improve a few tables, implement your changes, post your changes in Slack.

Last: rerun the load test, see if it finishes in 2 minutes.

Want to do the lab in the morning?



Instead of 100 iterations, change that to 1000000 so it runs overnight and piles up lots of data in the DMVs.