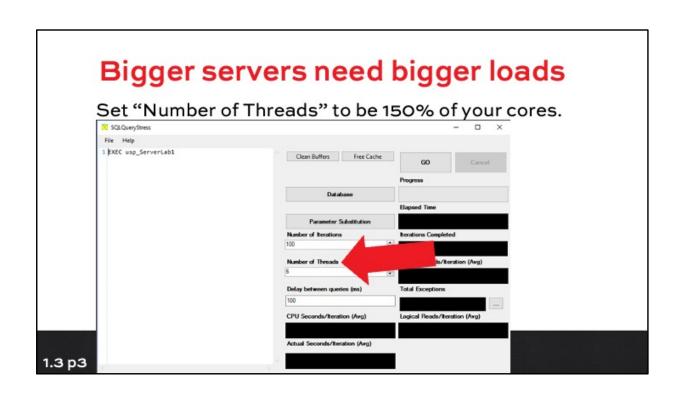
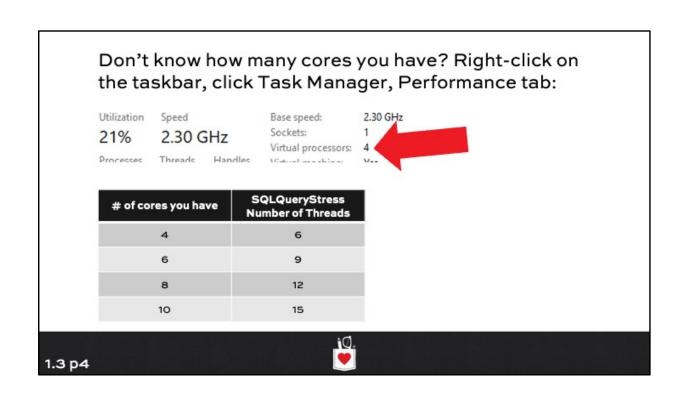


Setting up the workload

- 1. If you've been playing around changing tables or indexes, restore your StackOverflow database.
- 2. Restart your SQL Server instance. (For sp_BlitzIndex)
- 3. Copy & run the setup script for Lab 1.
- 4. Start SQLQueryStress:
 - 1. File Explorer, \Labs, double-click SQLQueryStress.exe
 - 2. Click File, Open, \Labs\ServerLab1.json
 - 3. Set "Number of Threads" based on your CPUs
 - 4. Click Go







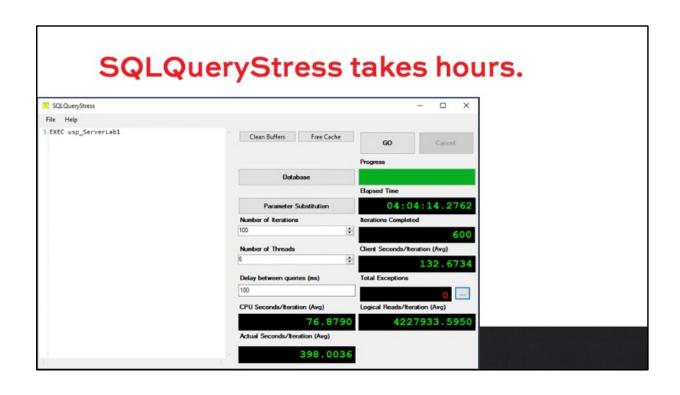
What the setup script does

Creates some stored procedures

Drops all nonclustered indexes

Sets MAXDOP = 1 (because we're not ready to cover parallelism yet)





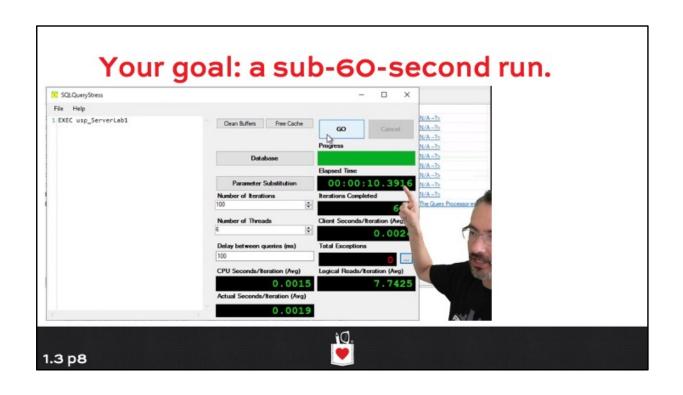
Find the problems, fix 'em.

While the test runs, take a long sample of waits: sp_BlitzFirst @Seconds = 60, @ExpertMode = 1

Cancel & close SQLQueryStress, then:

- Investigate to see if indexes will help:
 sp_BlitzIndex@GetAllDatabases = 1
- See what queries are causing those waits: sp_BlitzCache @SortOrder = 'reads'





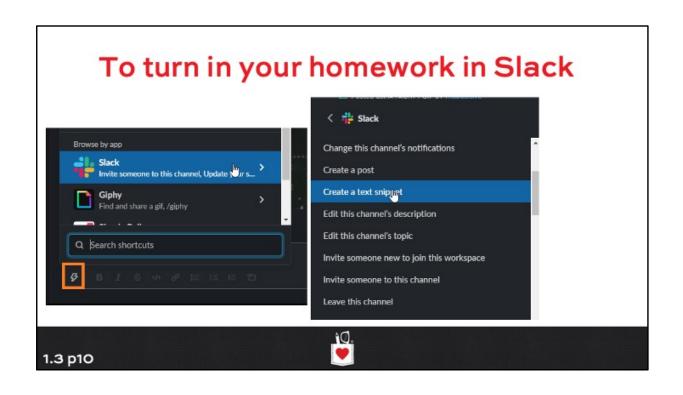
How I'd spend this 2 hours

- 1. Lunch (1 hour)
- Check the server's top wait types, the queries causing those wait types, and write down your metrics (10 min)

```
sp_BlitzFirst @Seconds = 60, @ExpertMode = 1;
sp_BlitzIndex @GetAllDatabases = 1
sp_BlitzCache @SortOrder = 'reads'
```

- 3. Change a couple/few things on your server (5-10 min)
- 4. Go back to #2





Stumped? Take a peek at Slack.

The Slack room lets you see:

- Other peoples' answers
- · How quick (or slow) you are compared to them
- · How thorough you are compared to them
- Who you should cheat off of during the final exam

