The Final Countdown

Time to show off what you're learned.

4.1 p1

Setting up for the last lab

1. Restart your SQL Server service (clears all stats)

2. Restore your StackOverflow database (Agent job)

3. Copy & run the setup script for Lab 5

4. Run SQLQueryStress with QueryLab5.json.

4.1 p2

This server is in bad shape.

It started out as SQL Server 2005 years ago.

It was gradually upgraded over time.

Lots of people have had their hands in it.

The last DBA left two weeks ago.

The company's hired you to straighten things out fast.

4.1 p3

The way I'd budget time

Hour 1: Index tuning
- Stop SQLQueryStress
- Tune indexes with sp_BlitzIndex
- Start the workload again
- Check sp_BlitzIndex to make sure your new indexes helped

Hours 2-3: Query tuning
- sp_BlitzCache, pick a query to tune
- Measure it, tune it, measure it again
- Repeat the process to find & tune the next bad query

4.1 p4

Remember, indexes affect a lot.

As you add/change indexes while tuning a query, that may affect other top resource-consuming queries.

So if query tuning efforts involve adding an index:
- Deploy it
- Measure your one query to make sure it's better
- Start SQLQueryStress again, wait a few minutes
- sp_BlitzCache again to see the new suckerboard

4.1 p5

I'll stay on Slack for the hour.

You can start working on the lab now.

I'll monitor Slack for questions.

Want to watch me do it? Go watch the Instant Replay videos now.

4.1 p6

You can do this.

For questions, leave comments on the relevant module.

For private help after the class, email Help@BrentOzar.com with:
- A note that you were in this class
- sp_Blitz @CheckServerInfo = 1
- sp_BlitzFirst @SinceStartup= 1

4.1 p7