



BRENT OZAR
UNLIMITED®

Lab 2: Caching Multiple Plans

1.6 p1

Setting up for the 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 2
4. (No SQLQueryStress for this lab)

1.6 p2



Goal: fix these 3 parameters

EXEC RecentPostsByLocation N'Germany'

EXEC RecentPostsByLocation N'Iceland'

EXEC RecentPostsByLocation N'Hafnarfjordur, Iceland'

Get them all to run in <5 seconds no matter which one is called first.

1.6 p3



Gotchas

Recompile hints are off-limits

You're not allowed to add or drop indexes:
they're all used by other queries,
and we've already got blocking problems

1.6 p4



How to turn in your homework

Use PasteThePlan.com to share your original query plan and your revised one:



Brent Ozar 6:12 AM

I worked on mqt_Lab1_Level1. Here was the query plan when I started:

<https://www.brentozar.com/pastetheplan/?id=HylHWohu4> And here's the query plan now that I replaced the temp table with a CTE:

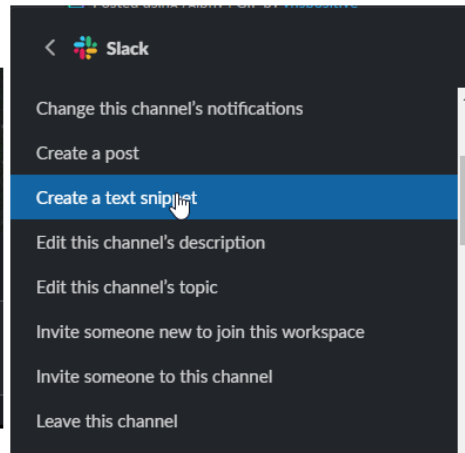
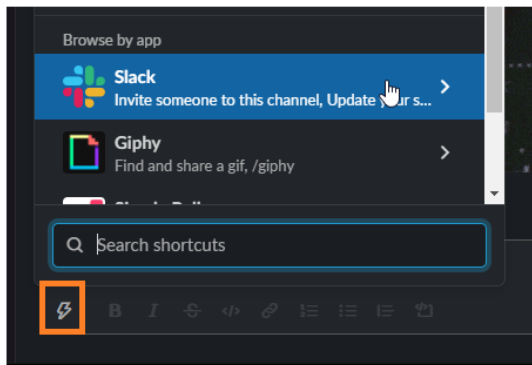
<https://www.brentozar.com/pastetheplan/?id=SkWKzy6d4>

To use PasteThePlan.com: when looking at an actual query plan, right-click on the white space, click View XML, copy all of that, go to PasteThePlan.com, paste it there. You'll get a URL that you can share with others.

1.6 p5



To turn in your homework in Slack



1.6 p6



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

1.6 p7

