

Writing T-SQL code for the engine, not for you

Cláudio Silva



FEEDBACK



<https://sqlb.it/?10827>



T-SQL Query Tuning - Expectations

Later, on the plane...



If I don't have a
slow query...

... Sorry, I have an emergency! I found

... someone like
burns other's money



What about the query?

I suggest you add an index...or many...one touch it!

Another idea:

Change to a different RDBMS?!

We will land shortly,
please fasten your
seatbelt!



Who am I?

Cláudio Silva

(He / Him)

What do I do?

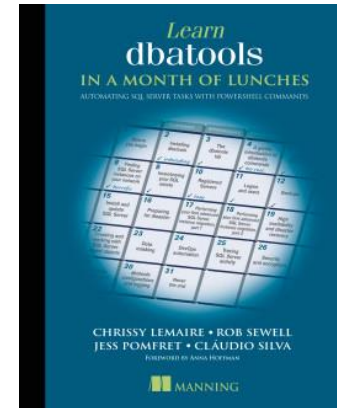


DATAmasterminds

- Performance Tuning
- Automation

Open-Source Contributor

- dbatools
- dbachecks



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T-SQL Query Tuning – Reality Check

Hardware

- CPUs / Memory / Disks
- Physical or Virtual? On-Premises? Cloud maybe? Azure SQL DB? MI? RDS?

SQL Server Edition & Instance configurations

- MaxMemory
- CTfP – Cost Threshold for Parallelism
- DoP – Degree of Parallelism

Database

- Compatibility Level
- Scoped Configurations

Workload type

SHOW US
THOSE
DEMOS!



DEMOS



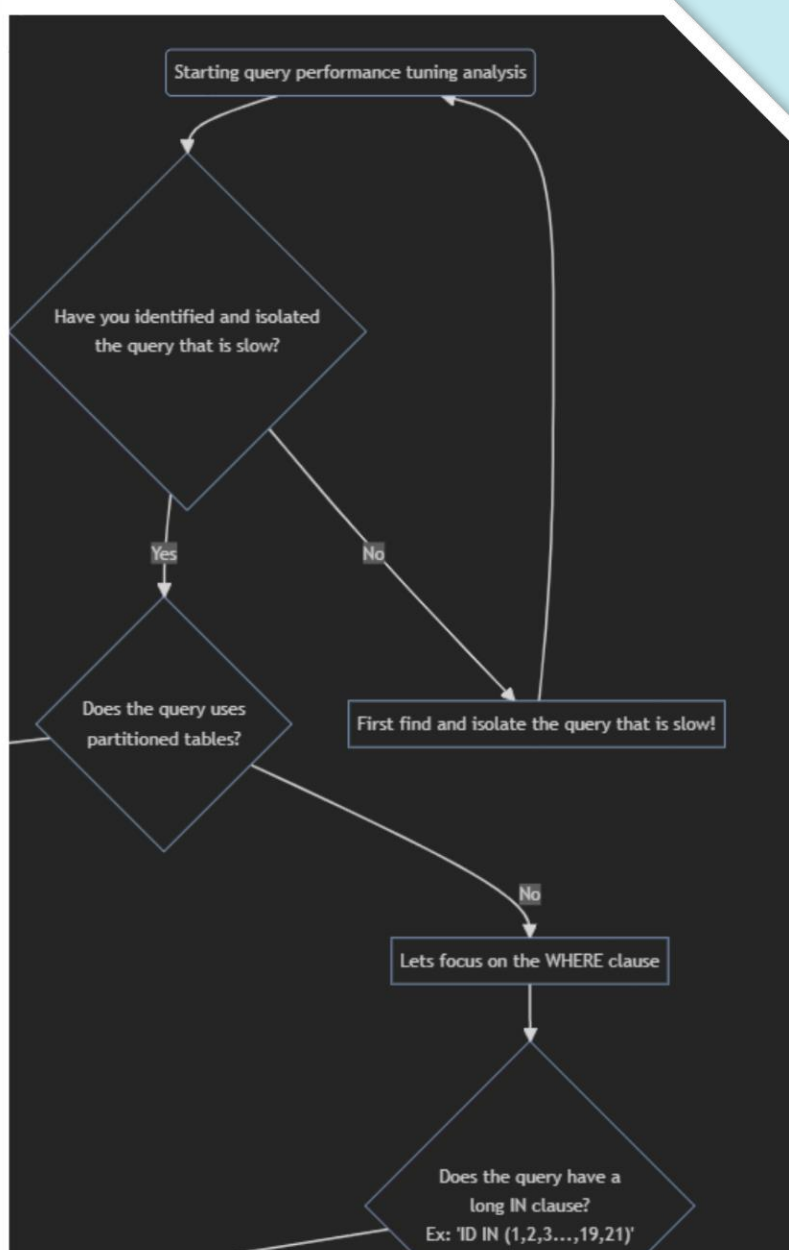


There is

The short answer is no!

It needs a lot of practice

However,...I may have some



[ClaudioESSilva/TSQLPerformanceTuning: Try to track down why your query is slow and get suggestions to fix it \(github.com\)](https://github.com/ClaudioESSilva/TSQLPerformanceTuning)

<https://github.com/ClaudioESSilva/TSQLPerformanceTuning>



Let's recap

- If you find a bad query - don't just make it worse. Take the time to fix it.
- Long IN or long combinations of AND/OR? Try #temp tables
- Data types DO matter!
- If you can have the data sorted when working with uniqueness, that can help
- Expecting parallelism but got serial? Check the parallelism inhibitors!



Questions?



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