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Fundamentals of Query Tuning

Up first: intros & logistics.

We're going to cover

- How SQL Server builds plans in phases
- How to find the right slow queries to tune
- How parameters influence cached plans
- How to improve estimation accuracy
- 5 common T-SQL antipatterns
(and how they wreck cardinality)



We're using Stack Overflow data.

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XML dump: archive.org/details/stackexchange

SQL Server db: BrentOzar.com/go/querystack

StackOverflow2013 database (50GB)

(but you can use newer/larger ones too –
it'll just take longer to create indexes)



About my setup

SQL Server 2022
(but the database will usually
be in an older compat level)

SQL Server Management Studio 20

StackOverflow2013 50GB database

VM with 4 cores, 32GB RAM



Let's do this!

