

1 ONE QUERY BUCK

TARA KIZER

*Tara Kizer hikes mountains
to burn off the crazy from her
production DBA on-call days.*



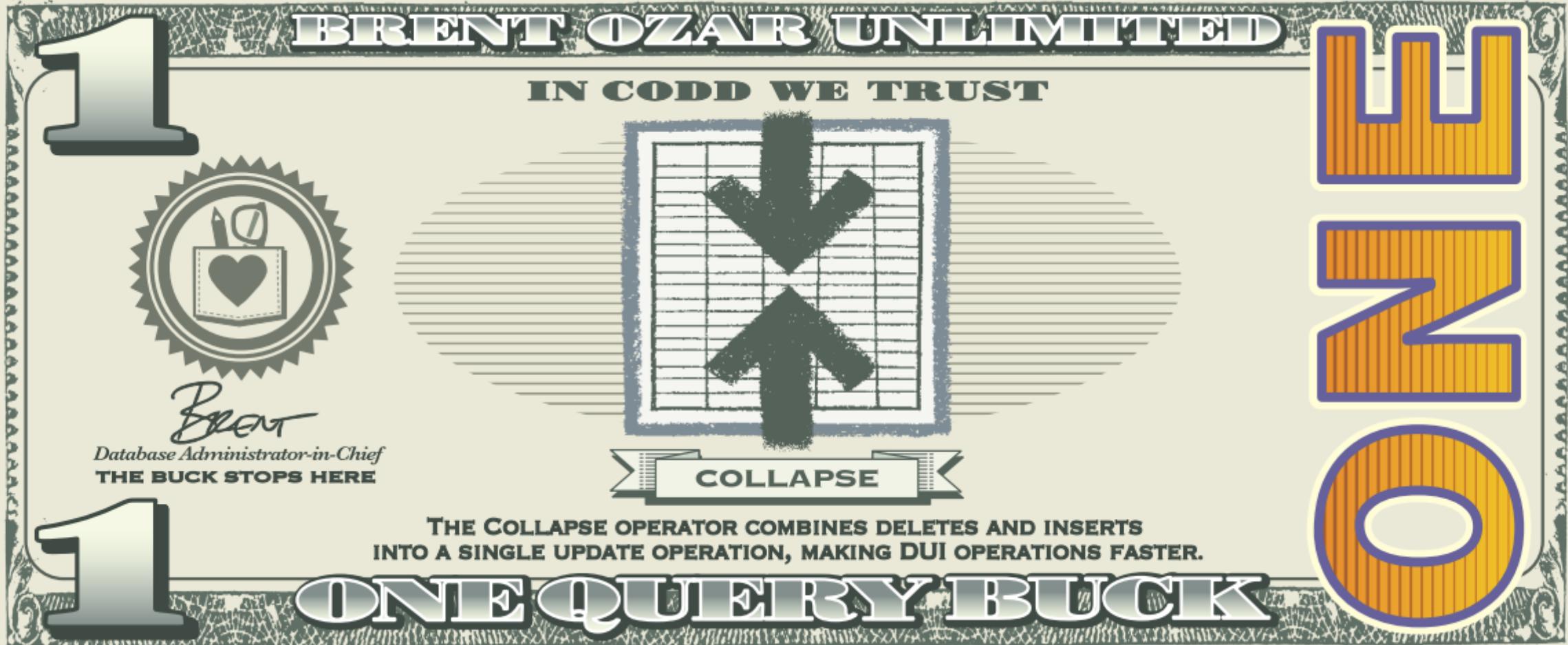
MICROSOFT SQL SERVER 1

THIS ISN'T REALLY LEGAL TENDER,
BUT IT'S GOOD FOR
ALL QUERY COSTS...
CLOUD AND ON-PREMISES.



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Brent
Database Administrator-in-Chief
THE BUCK STOPS HERE

THE COLLAPSE OPERATOR COMBINES DELETES AND INSERTS
INTO A SINGLE UPDATE OPERATION, MAKING DUI OPERATIONS FASTER.

ONE QUERY BUCK

2 TWO QUERY BUCKS

BRENT OZAR

*Brent tunes servers and is
saving his Query Bucks
for a Porsche 911 Targa.*



*Database Administrator-in-Chief
THE BUCK STOPS HERE*

MICROSOFT SQL SERVER 2

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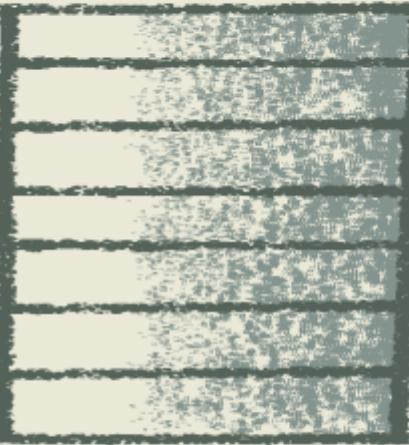


Brent
Database Administrator-in-Chief
THE BUCK STOPS HERE

2

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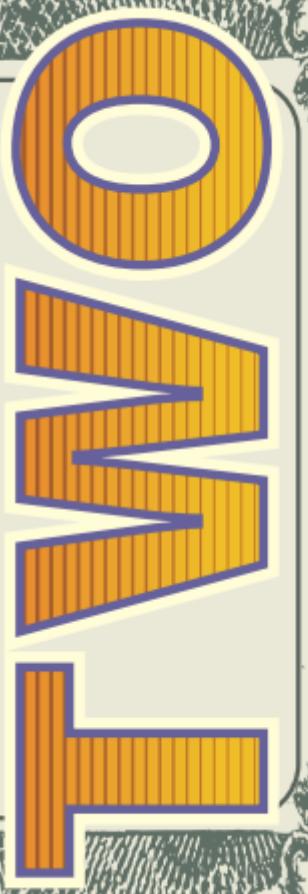
IN CODD WE TRUST



STREAM AGGREGATE

WHEN YOUR DATA IS ORGANIZED INTO A NICE INDEX, AND WE NEED TO
CALCULATE RUNNING TOTALS, IT'S SUPER-FAST WITH STREAM AGGREGATES.

TWO QUERY BUCKS



5 FIVE
QUERY
BUCKS

KENDRA LITTLE

*Kendra coined the term
“Query Bucks” and she blogs
at LittleKendra.com.*

**MICROSOFT
SQL SERVER 5**

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Database Administrator-in-Chief
THE BUCK STOPS HERE

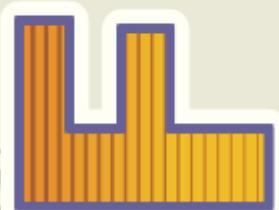
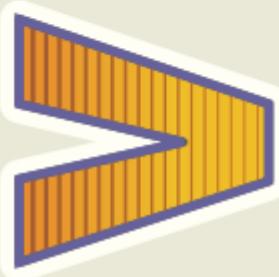
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NESTED LOOP

WHEN YOU JOIN TWO OBJECTS TOGETHER, SQL SERVER MIGHT DO A NESTED LOOP,
SEARCHING ON AN INNER INDEXED TABLE FOR EACH ROW OF AN OUTER TABLE.

FIVE QUERY BUCKS



10 TEN QUERY BUCKS

ERIK DARLING

*Erik Darling lifts heavy weights
and drops knowledge
on query plan internals.*

10



MICROSOFT SQL SERVER 10

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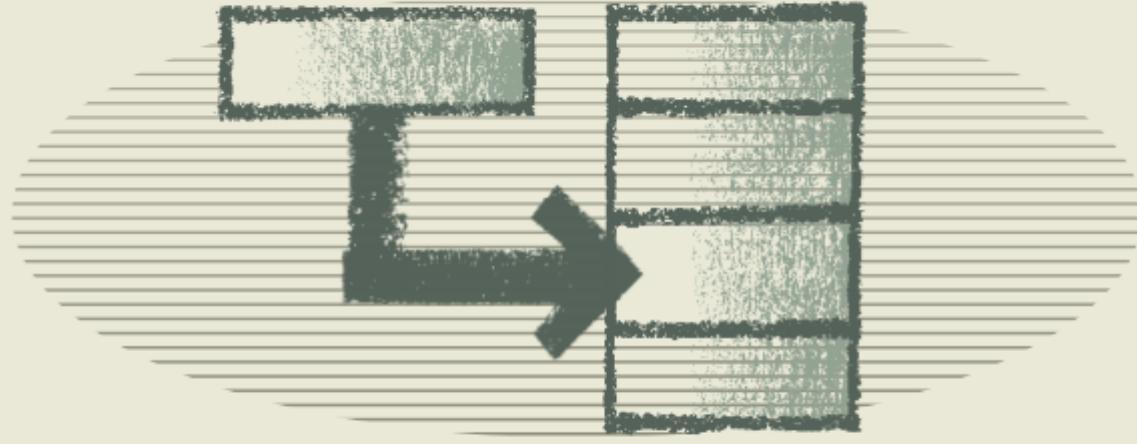
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Database Administrator-in-Chief
THE BUCK STOPS HERE

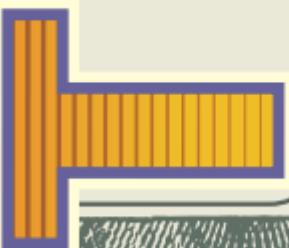
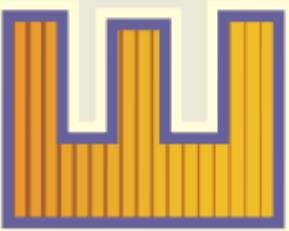
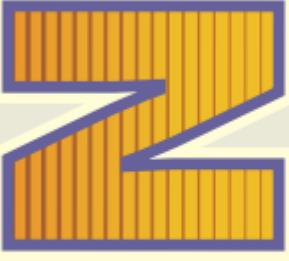
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TEN QUERY BUCKS



HASH MATCH

DESPITE THE NAME, HASH MATCH ISN'T ABOUT MATCHING A GREAT PLATE OF POTATOES FOR BREAKFAST - IT'S ABOUT MAKING A HASH TABLE FOR BIG AGGREGATES.



**20 TWENTY
QUERY
BUCKS**



*Richie Rump created
StatisticsParser.com
PasteThePlan.com, and
AwayFromTheKeyboard.com.*

**MICROSOFT
SQL SERVER 20**

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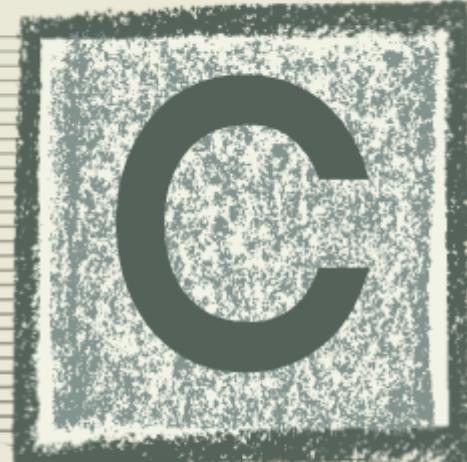


Brent

Database Administrator-in-Chief
THE BUCK STOPS HERE

20

TWENTY QUERYBUCKS



CATCHALL

WE KNOW, SQL SERVER IS SUPPOSED TO BE A SET-BASED SYSTEM
BUT SOMETIMES YOU JUST NEED THAT CURSED CURSOR.

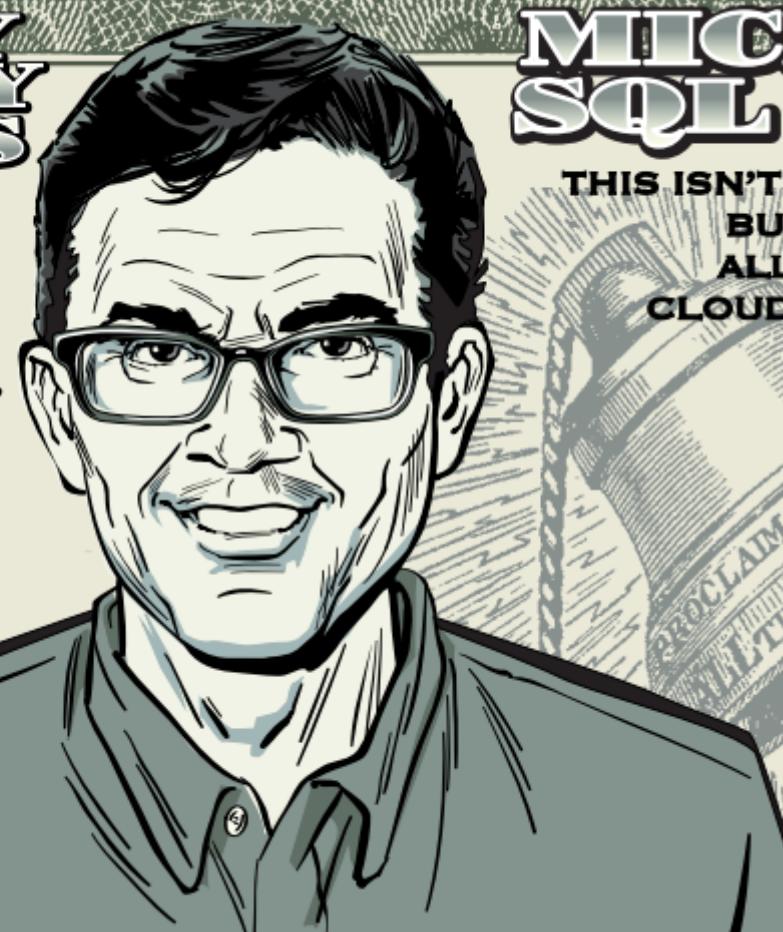
THE NEW F

50 FIFTY QUERY BUCKS

JOE SACK

*Joe Sack is the Microsoftie
to ask about 2017's
hot, new query plans.*

50



MICROSOFT SQL SERVER 50

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ALL QUERY COSTS...
CLOUD AND ON-PREMISES.

PROCLAIM LIBERTY
TO ALL THE INHABITANT



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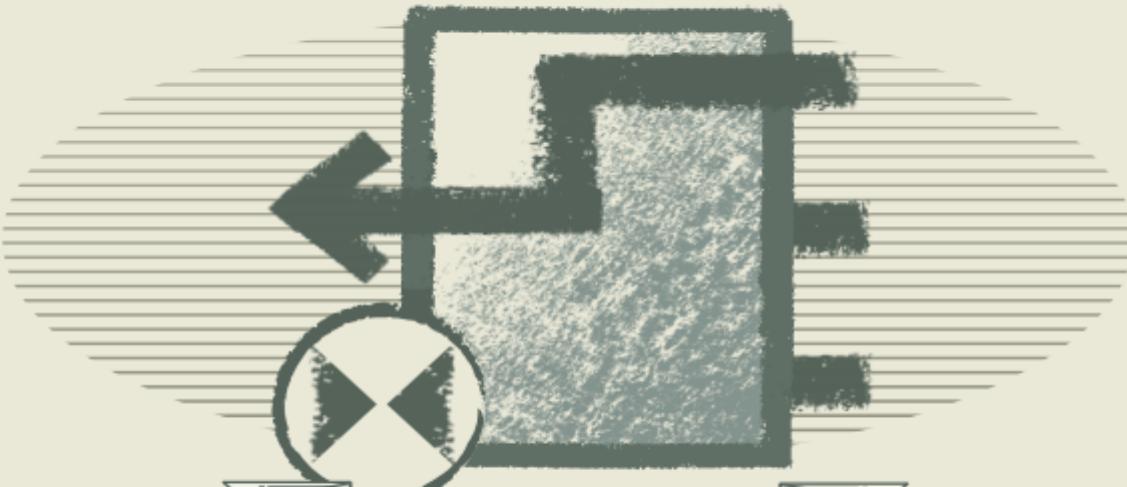


Brent

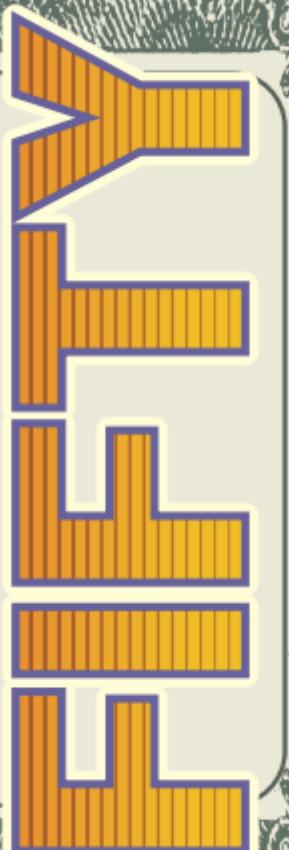
Database Administrator-in-Chief
THE BUCK STOPS HERE

50

FIFTY QUERY BUCKS



SQL SERVER 2017 INTRODUCES ADAPTIVE JOINS - THE ABILITY TO SWITCH
BETWEEN A HASH JOIN OR NESTED LOOPS BASED ON THE DATA QUANTITY IT FINDS.



100 ONE HUNDRED
QUERYBUCKS

**MICROSOFT
SQL SERVER 100**

PAUL WHITE

*Paul White debugs query plans
with actual debuggers
and tweets as @SQL_Kiwi.*

100

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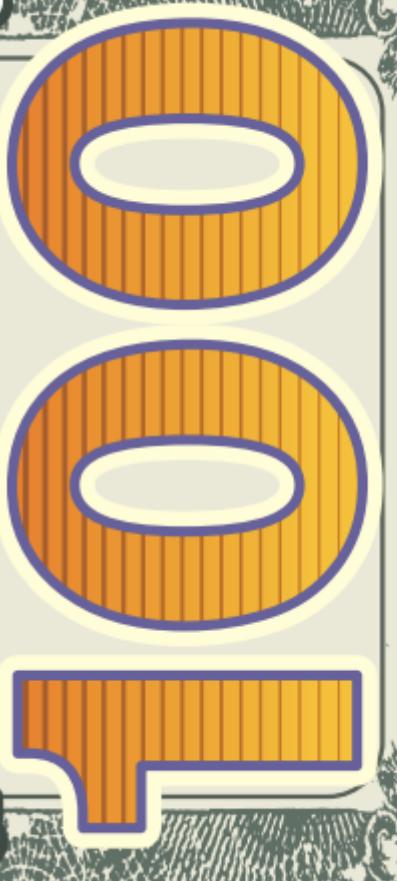


Database Administrator-in-Chief
THE BUCK STOPS HERE



100

ONE HUNDRED QUERY BUCKS



WHEN YOU NEED TO CREATE A NEW VALUE BASED ON THINGS YOU ALREADY KNOW,
LIKE COUNTS, COMPUTE SCALAR MAKES THE MAGIC HAPPEN.