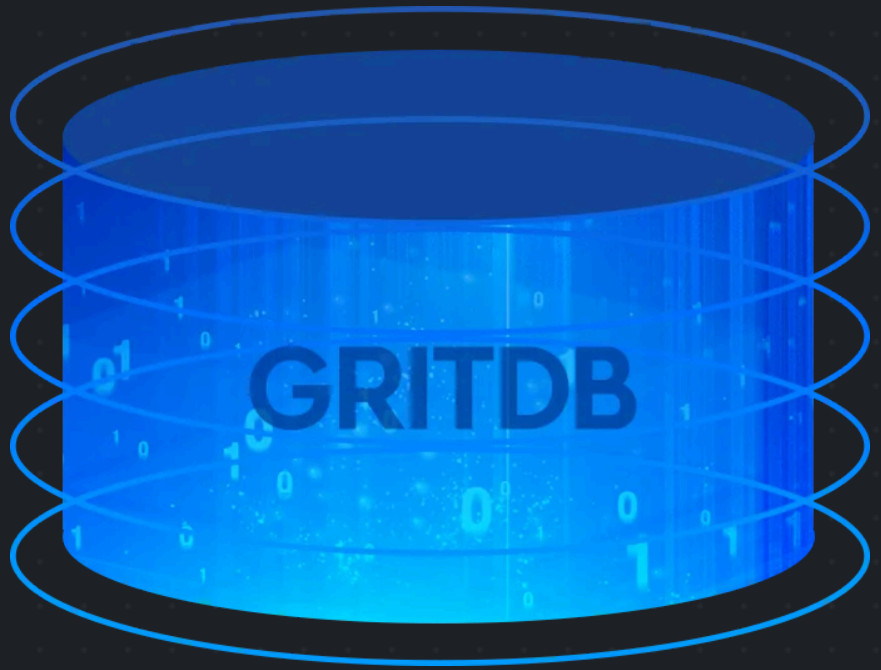
GritDB

Dual-engine database · PostgreSQL-compatible

Faster reports. Less load on your operational database.



Product brief

If this sounds familiar

You want analytics off your operational database

Run reports and statistics on the operational database,

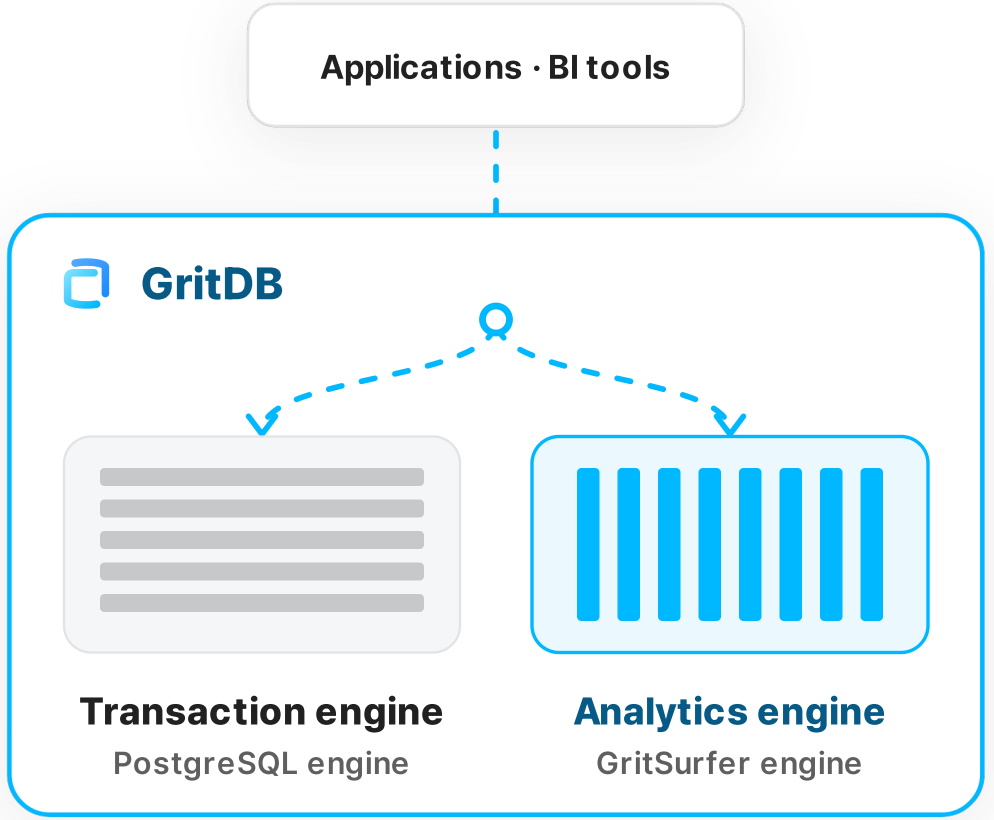
and business work

slows down or stops

Run them on a database that stores rows,

and aggregating a few columns

still reads whole rows

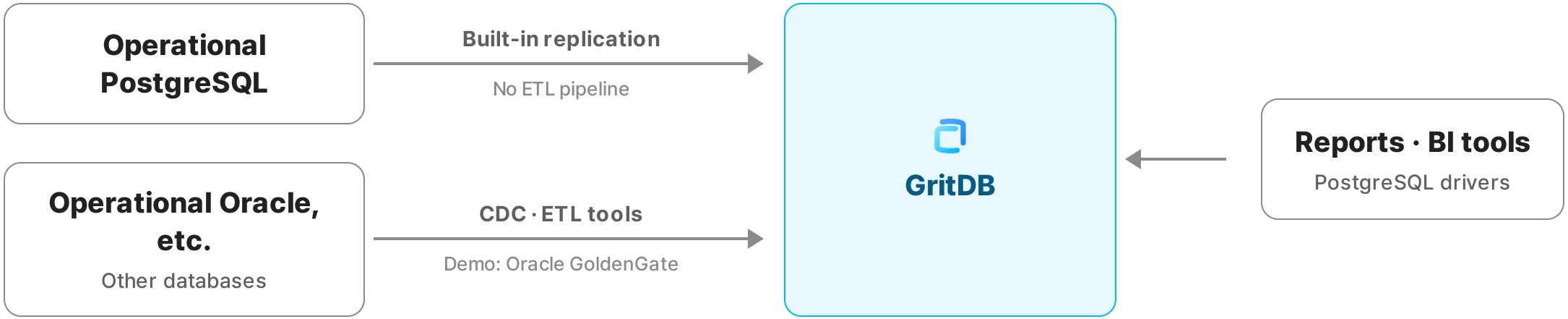


Dual engine (HTAP) · writes go to the transaction engine, analytics queries to the analytics engine

Operational database · built-in replication · CDC · ETL tools

Wherever PostgreSQL can be a target, so can GritDB

Your operational database keeps its binaries, data and applications as they are.



A change that GritDB receives usually shows in analytics queries **after 12 seconds** (our tests · 99 times out of 100 within 22 seconds). Add the replication or CDC time.

Speed up Amazon Aurora · RDS with GritDB
Demo video · 1 min 50 s

Speed up Oracle with GritDB
Demo video · 29 s

Amazon RDS and Amazon Aurora are trademarks of Amazon.com, Inc. or its affiliates. Oracle and Oracle GoldenGate are registered trademarks of Oracle and/or its affiliates.

In-house test · analytics queries derived from TPC-H · same server type

The bigger the data, the wider the gap with PostgreSQL

Largest gap · Q18 · how many times faster GritDB is than PostgreSQL

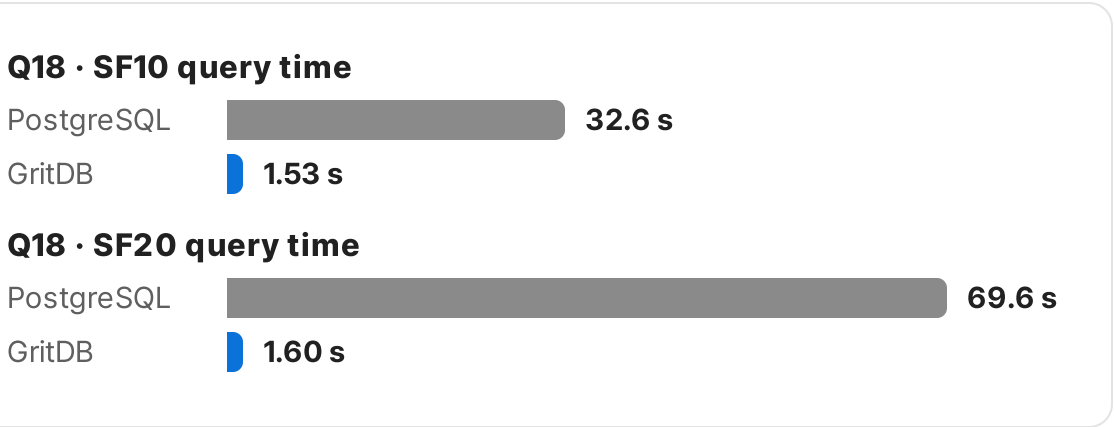
21.3×
SF10 (86.58 million rows)

→

43.5×
SF20 (2× the data)

3.4× to 43.5× per query

9.5× for the 20 queries in total (SF20)



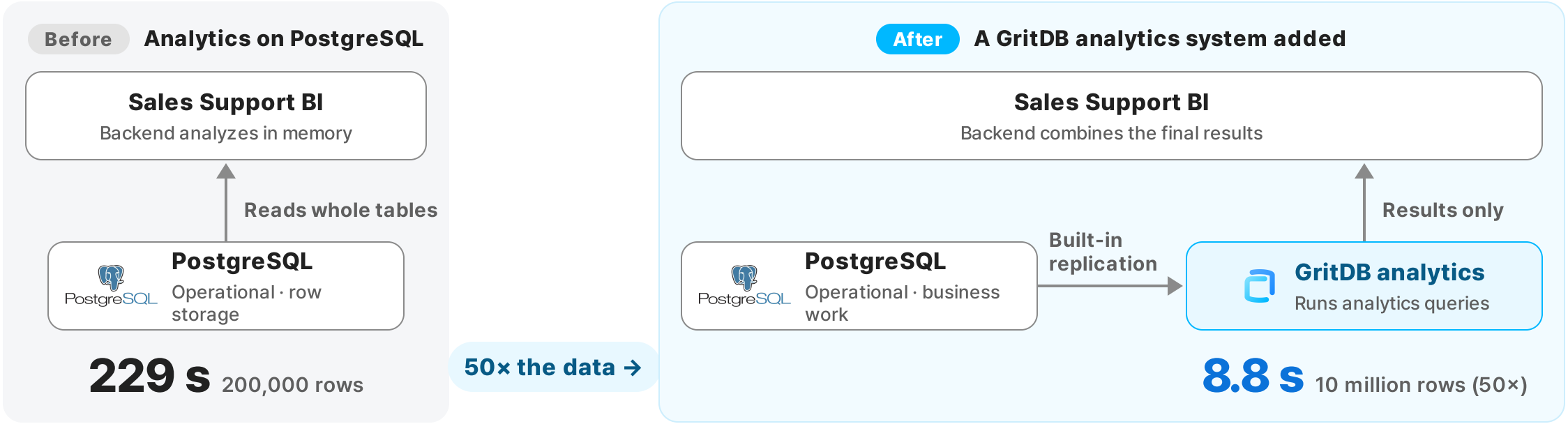
In-house test (2026-09) · both databases on Amazon EC2 r8i.16xlarge (64 vCPU, 512 GB) · SF10 is the same data as the Oracle demo video on the previous page
PostgreSQL ran with the default parallel and work_mem settings (2 parallel workers per query, work_mem 4MB).
Speedups and the total count 20 queries, leaving out the 2 that PostgreSQL did not finish (GritDB: about 1 second each) · Derived from TPC-H, not official TPC-H results.

TPC-H is a trademark of the Transaction Processing Performance Council. Amazon EC2 is a trademark of Amazon.com, Inc. or its affiliates.

Validated on customer data (PoC) · Financial services

50 times the data, report query from 229 s to 8.8 s

MIRAE ASSET 미래에셋금융서비스



Customer's real data and real report queries, 2026-08. Both times are the time the database took to run the query.
The GritDB time was measured with 50 times the data, so this is not a comparison on data of the same size.

The Mirae Asset Financial Services logo is a trademark of Mirae Asset Financial Services or its affiliates.

Installation

GritDB installs on the servers you choose



On-premises

One server next to your operational database



Cloud virtual server

The same installation files
Not tied to one cloud



Air-gapped network

No internet access
Install from the files you bring in

How to start

Start with a few slow reports

GritDB is HTAP and handles both transactions and analytics, but we recommend starting with faster analytics.

1

Discovery meeting

One hour with your DBA on a few slow reports
Your data stays with you

2

PoC

A test on your servers with your data

3

Subscription

A quote based on server size and term (yearly)

Contact

We are always open to a GritDB meeting

What we would like to talk about

1. **Heavy reports and statistics on DBMSs such as Oracle or PostgreSQL**
2. **Connecting GritDB with the CDC, ETL and BI tools you use**
3. **Moving your report SQL to PostgreSQL syntax**

In person or by video call,
at a time that suits you.

Email	**ask@datagrit.co**
Phone	**+82-70-7576-4947**
Address	Unit 1209, Building B, SKV1, 128 Beobwon-ro, Songpa-gu, Seoul, Republic of Korea
Web	www.datagrit.us

Datagrit Corp. · founded October 2024
Selected for TIPS by the Ministry of SMEs and Startups (2025) · engine developed in-house
1 registered patent · 5 pending patents

PostgreSQL is a trademark of the PostgreSQL Community Association of Canada.