



# No risk SQL schema changes

*Remove the risk of DB schema changes by introducing Quesma's SQL normalization and routing processor at the front of your DB*

## Avoid downtime and data loss during schema changes with Quesma's DB gateway

Introducing new versions of database schema including: split/merge of columns, rename tables or modifying data types, **creates lots of risk in the domain of stability and reliability of the production database systems.** Changes need to be synchronized across all the client stack at the same time when change happens in the backend, making any mistakes and mishaps very costly.

Quesma database gateway helps to tackle that problem by placing itself at the front of your database and **providing intelligent routing and normalization of incoming SQL queries.**

### Quesma SQL normalization and routing processor:

- connects to multiple DB replicas in **blue-green deployment pattern**
- acts as a smart router to **distribute queries based on their version**
- translate old version queries to new schema, **preserving backward compatibility** for as long as you want

### THE PROBLEM

DB schema migrations are **hard, risky and often a painful process to go through.** Moving to a new schema or version of a production DB – chills down the spine...

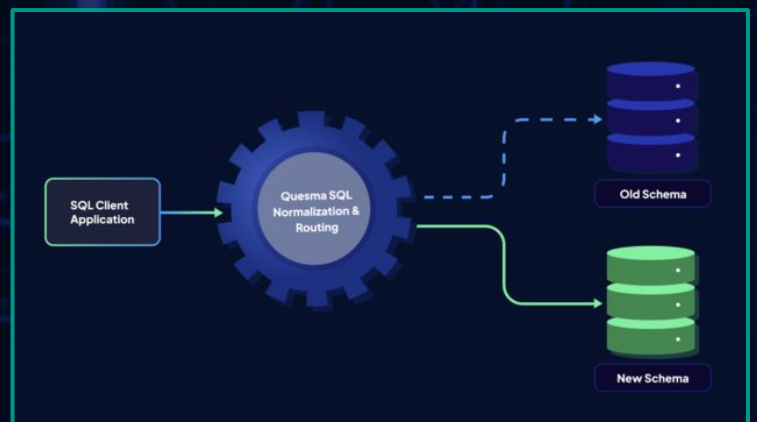
### THE SOLUTION

Use Quesma's DB gateway with SQL query normalization and routing processor, to enable step by step migration to new schema by **enabling two DB replicas** (production and staging) to run (read & write) concurrently while **translating queries on-the-fly.**

### BENEFIT

**Save money, time and precious resources of engineering team** by innovating without risk and introducing:

- Non-disruptive way of changes
- Clients' backward compatibility
- Safe way to roll-back changes



### GET IN TOUCH

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