GraphQL and Microservices

Integration Strategies

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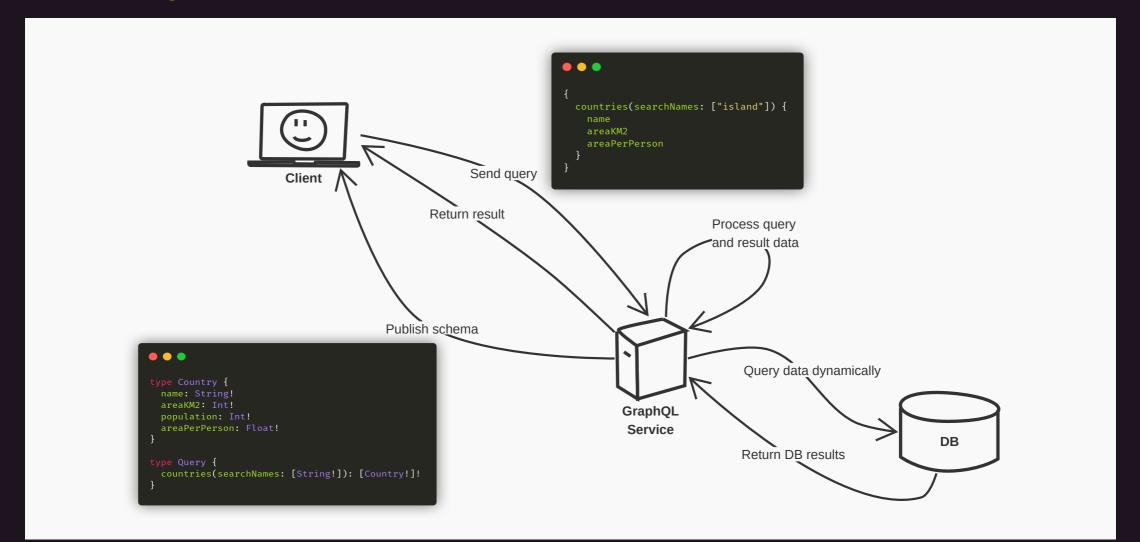
GraphQL and Microservices 2 / 1.

Agenda

- Leveling the playing field -- what's GraphQL anyway?
- The difficulty of interating with service architectures
- Solution proposals

GraphQL and Microservices 3 / 15

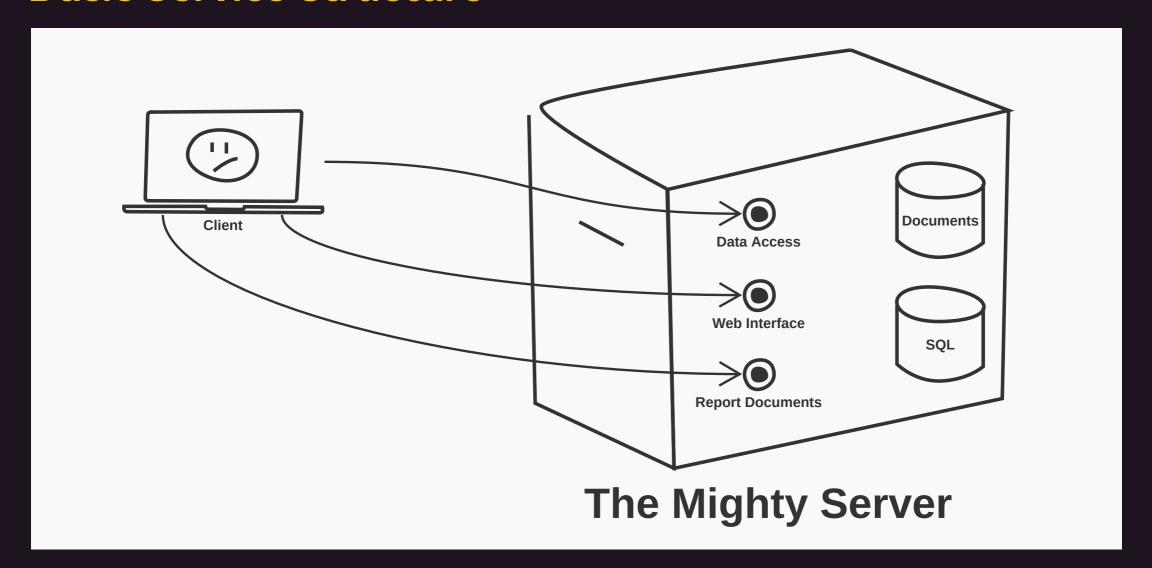
GraphQL



GraphQL and Microservices 4 / 15

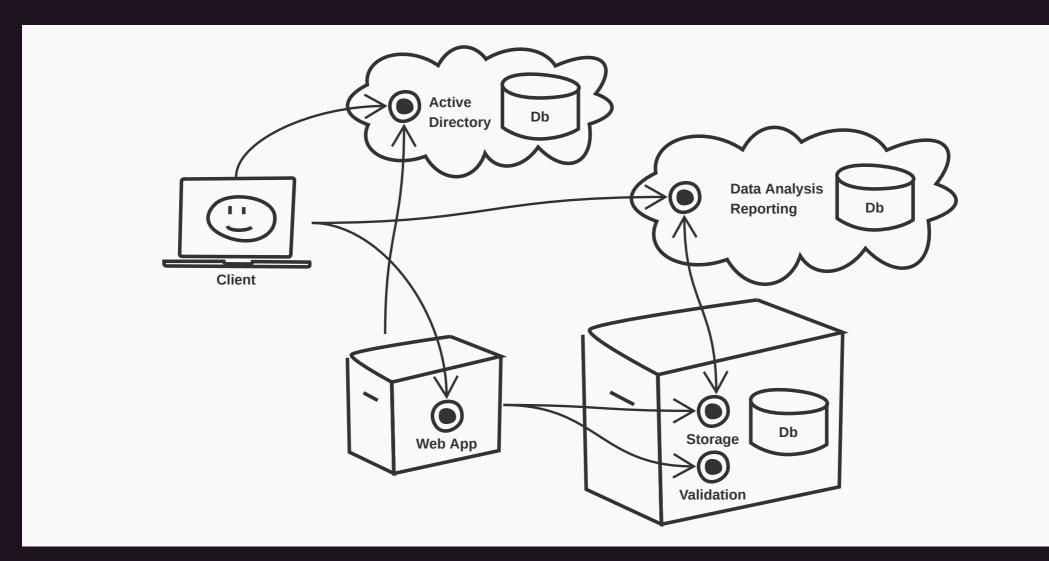
DEMO

Basic Service Structure



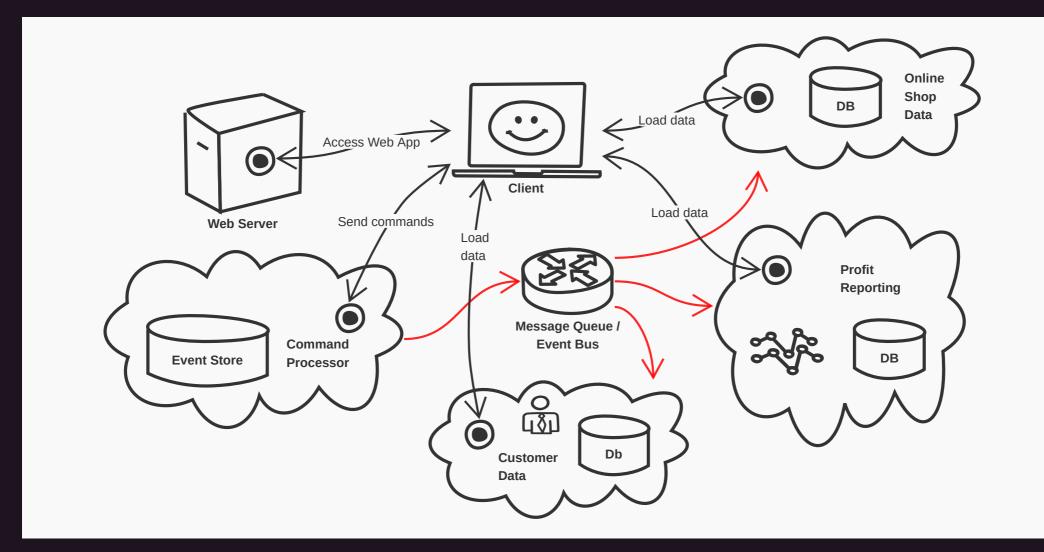
GraphQL and Microservices 6 / 15

Microservices Structure



GraphQL and Microservices 7 / 15

CQRS/ES Structure



GraphQL and Microservices 8 / 15

GraphQL Integration In Service Architectures

There are two integration options.

1. Provide an extra read model endpoint that understands GraphQL queries

GraphQL and Microservices 9 / 1.

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GraphQL and Microservices 9 / 15

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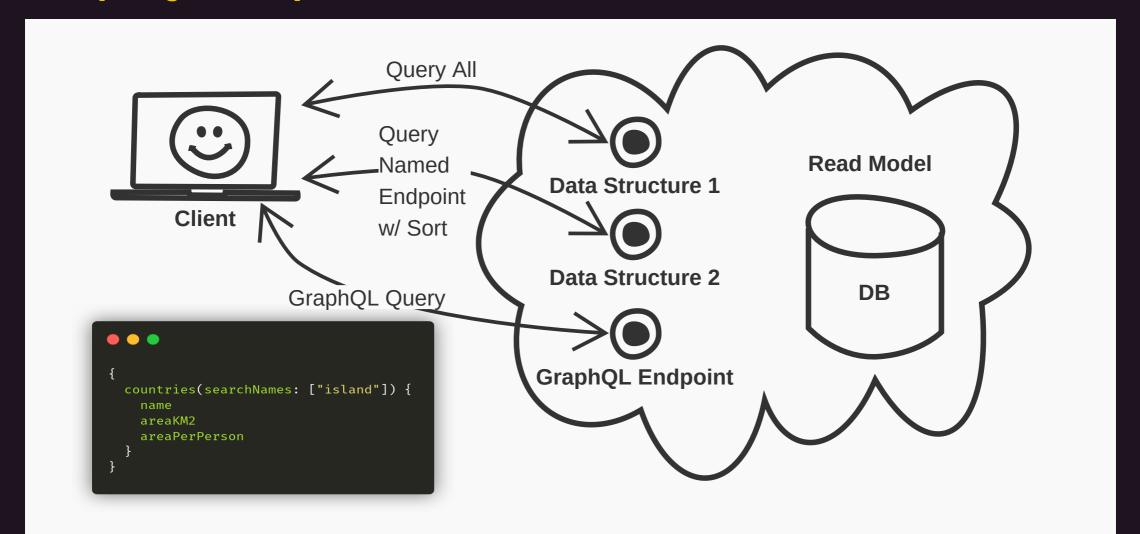
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Of course it is possible to create a special read model for this purpose, instead of using an existing one

2. Create an accumulation service for dynamic GraphQL queries

GraphQL and Microservices 9 / 1.

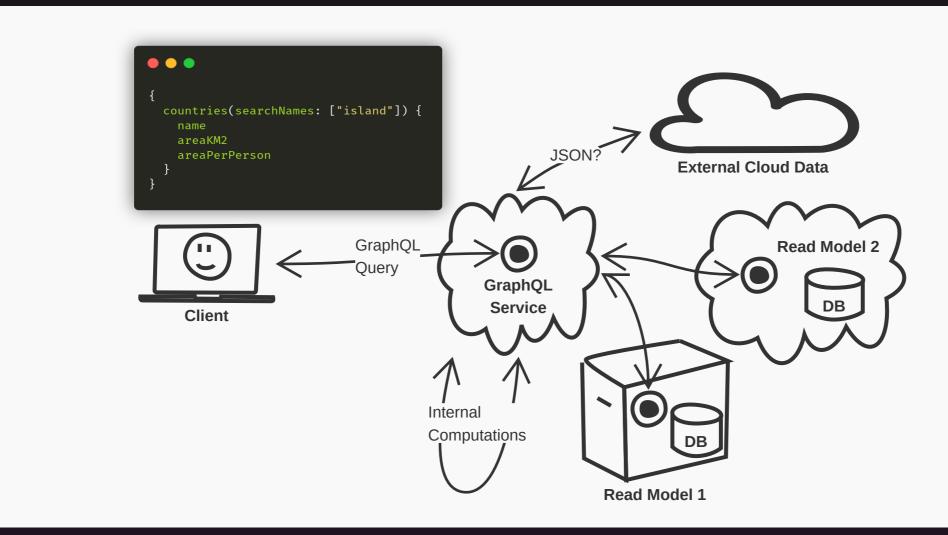
GraphQL Endpoint In The Read Model



GraphQL and Microservices 10 / 15

DEMO

Proxy/Facade/Mash GraphQL Service



GraphQL and Microservices 12 / 15

DEMO

Sources

- This presentation:
 - https://oliversturm.github.io/graphql-and-microservices
 - PDF download:
 https://oliversturm.github.io/graphql-and-microservices/slides.pdf
- Source code: https://github.com/oliversturm/graphql-and-microservices

GraphQL and Microservices 14/15

Thank You

Please feel free to contact me about the content anytime.

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