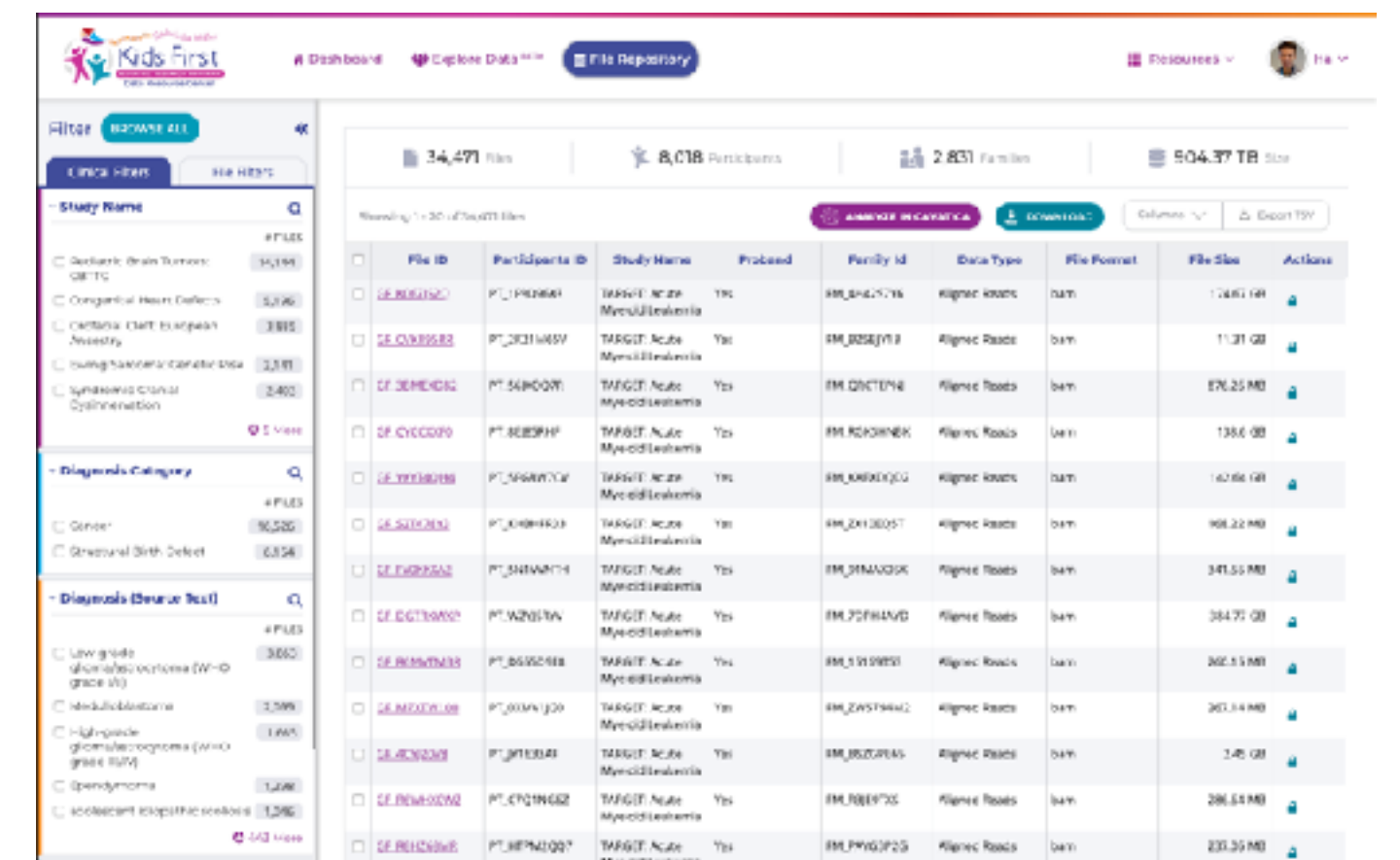
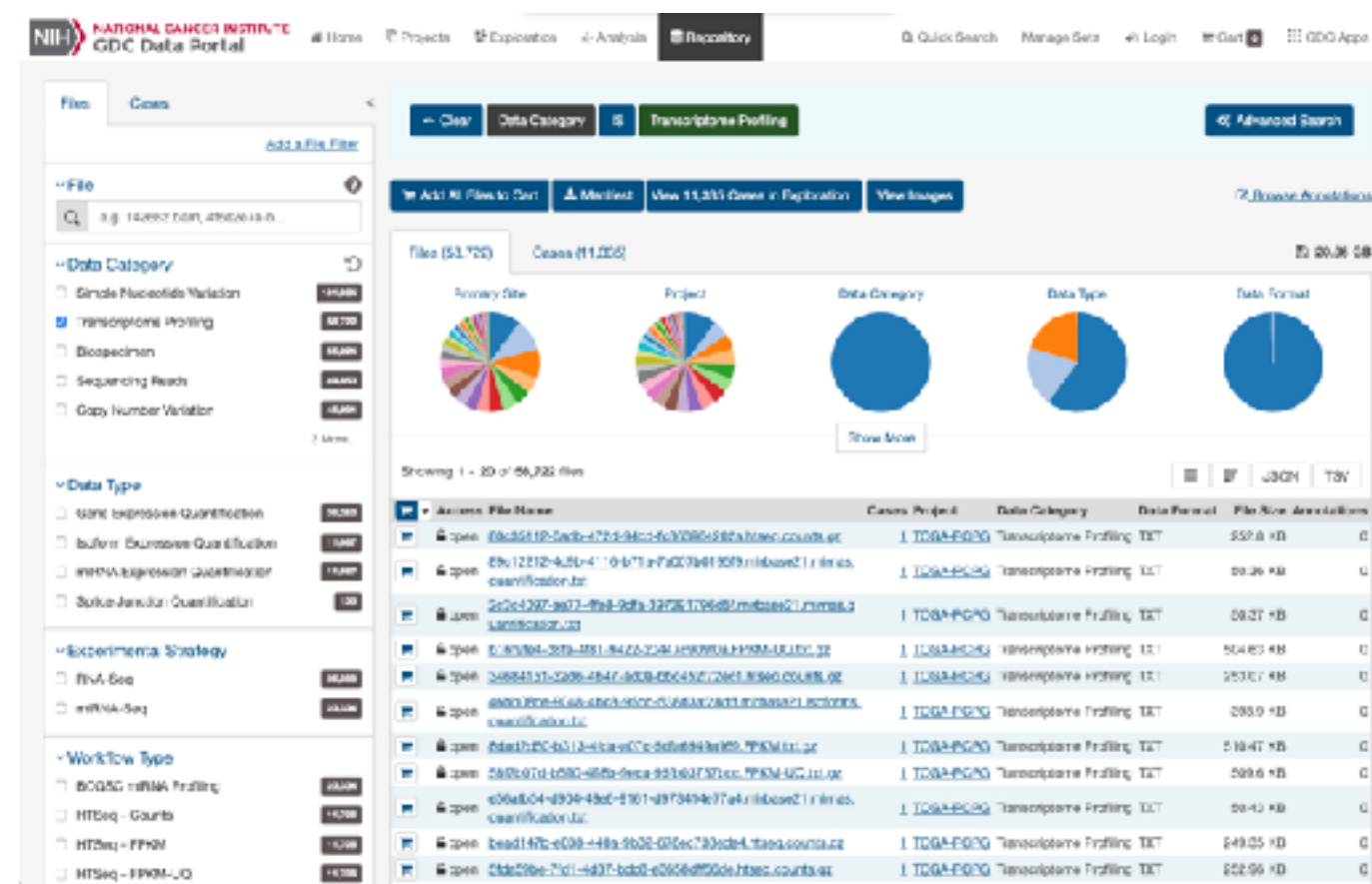
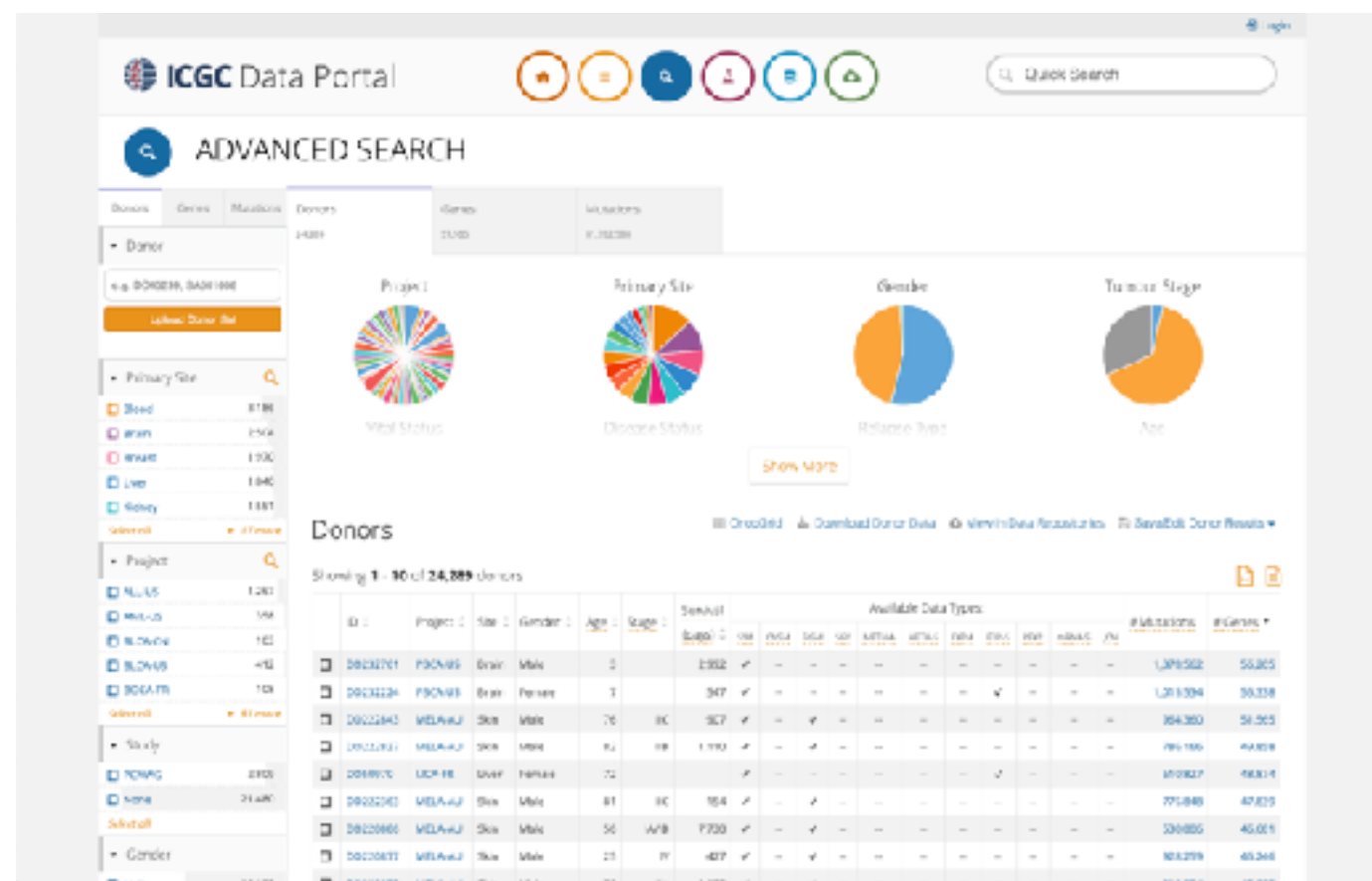


Conquering Micro-services with GraphQL

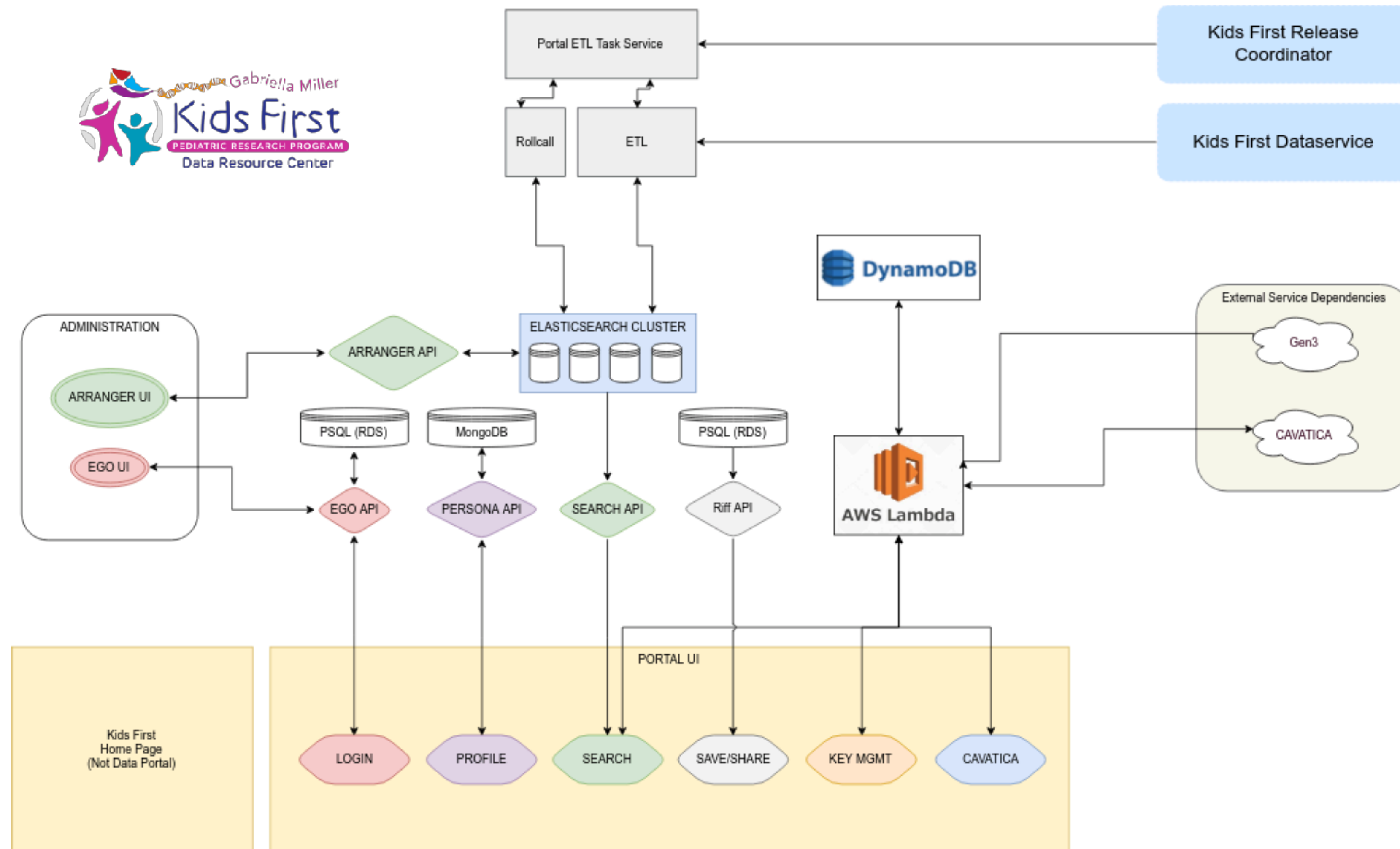
Our plan for Argo

from  softeng with  

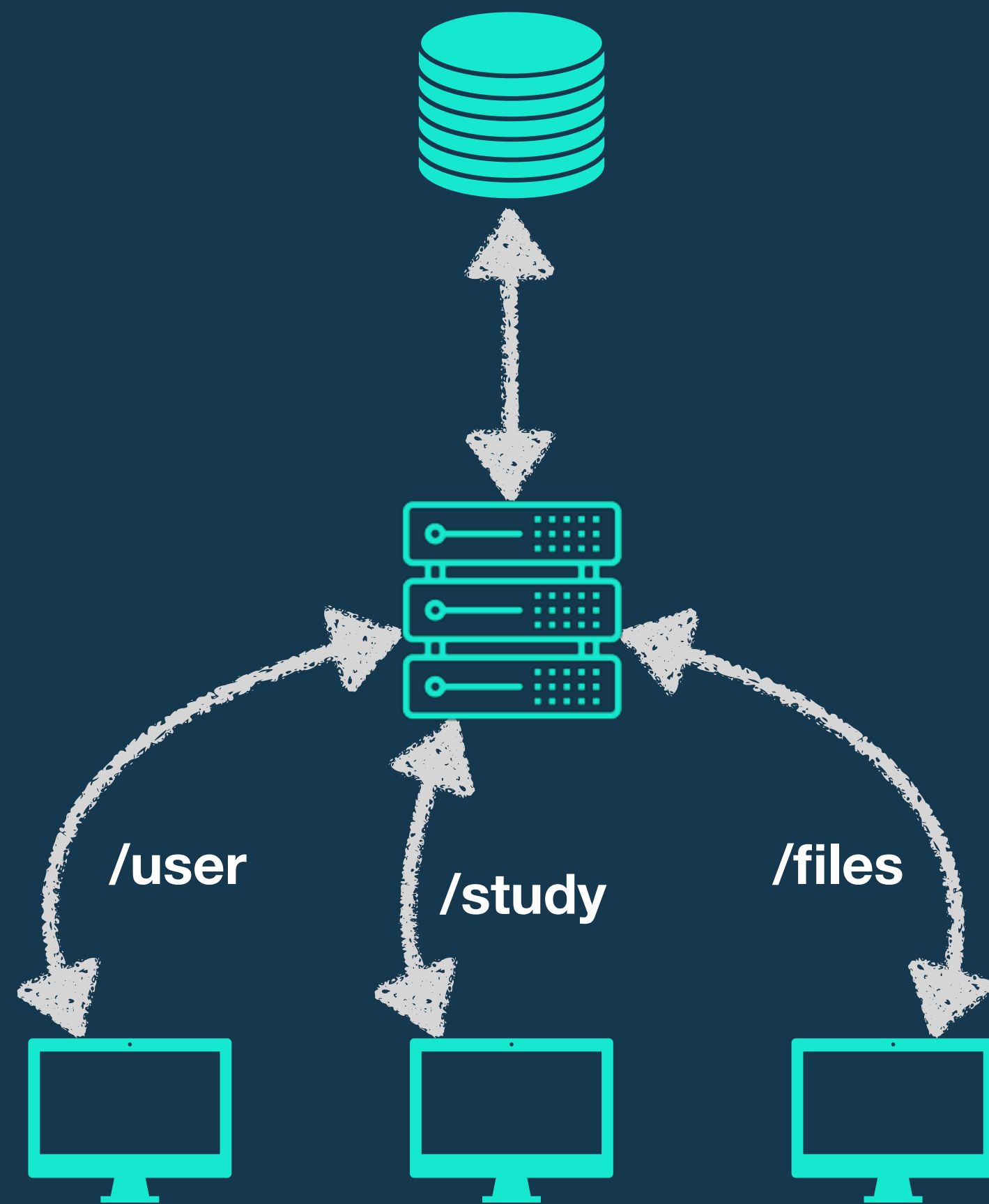


and more...

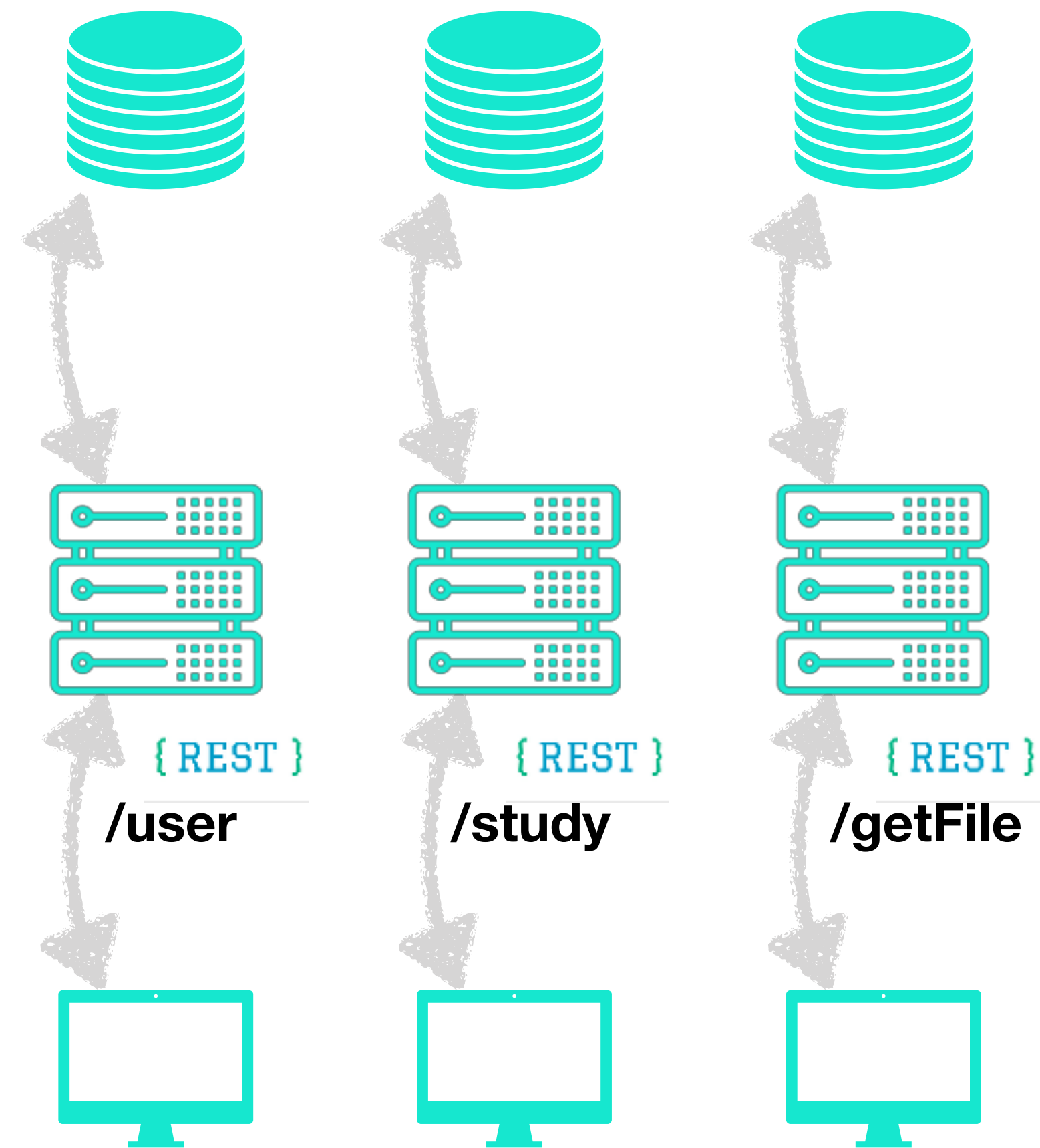
Behind the scene



Monolithic System



Micro-...what?

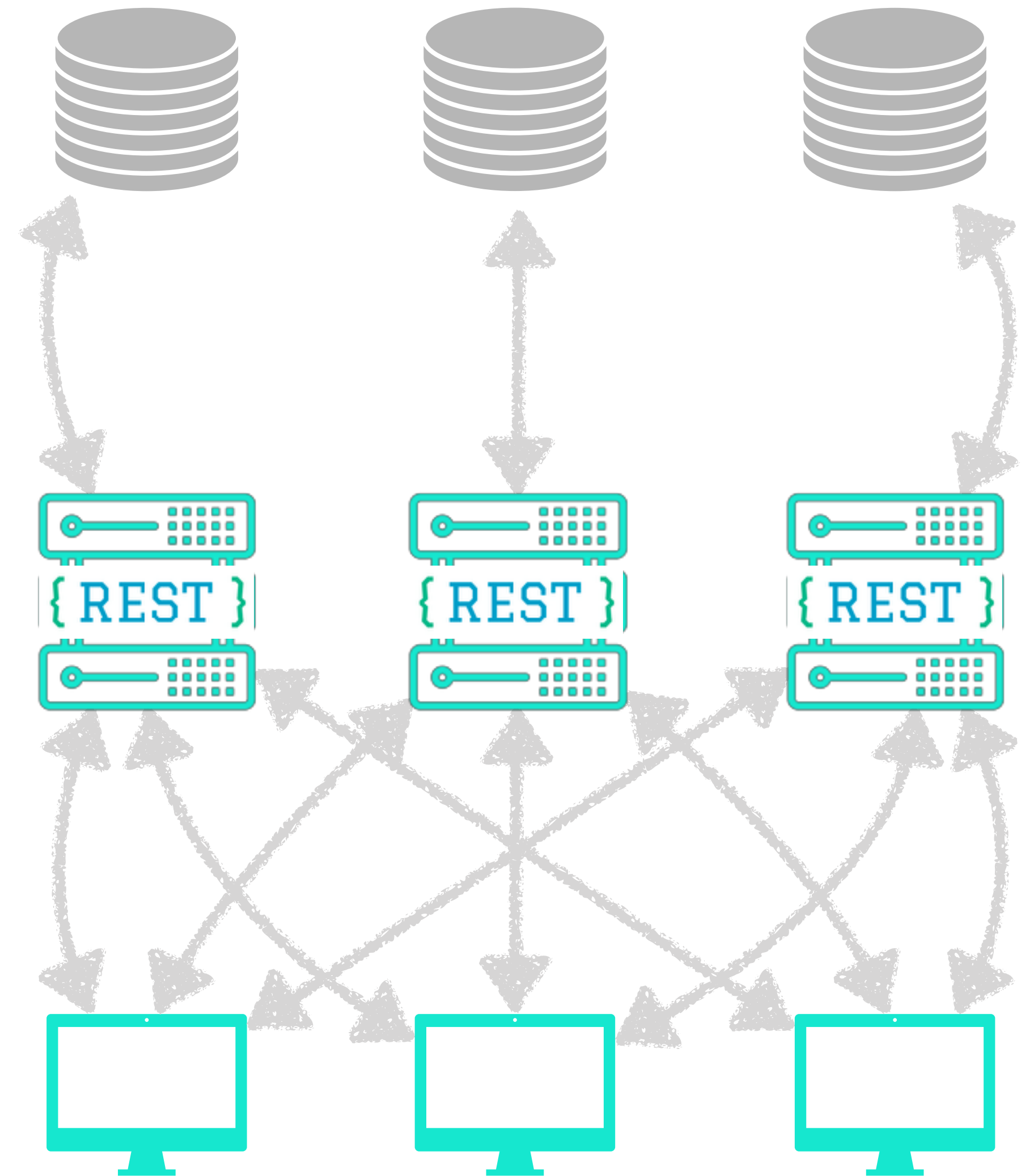


Micro-services System

- Functionally decoupled
- Independently deployable
- Independently scalable

Some challenge

- No place to handle cross-cutting concerns
- Front-end handles heavy business logic
- Inefficiencies with **REST**:
 - Over & under-fetching
 - Lack of API schema -> manual documentation

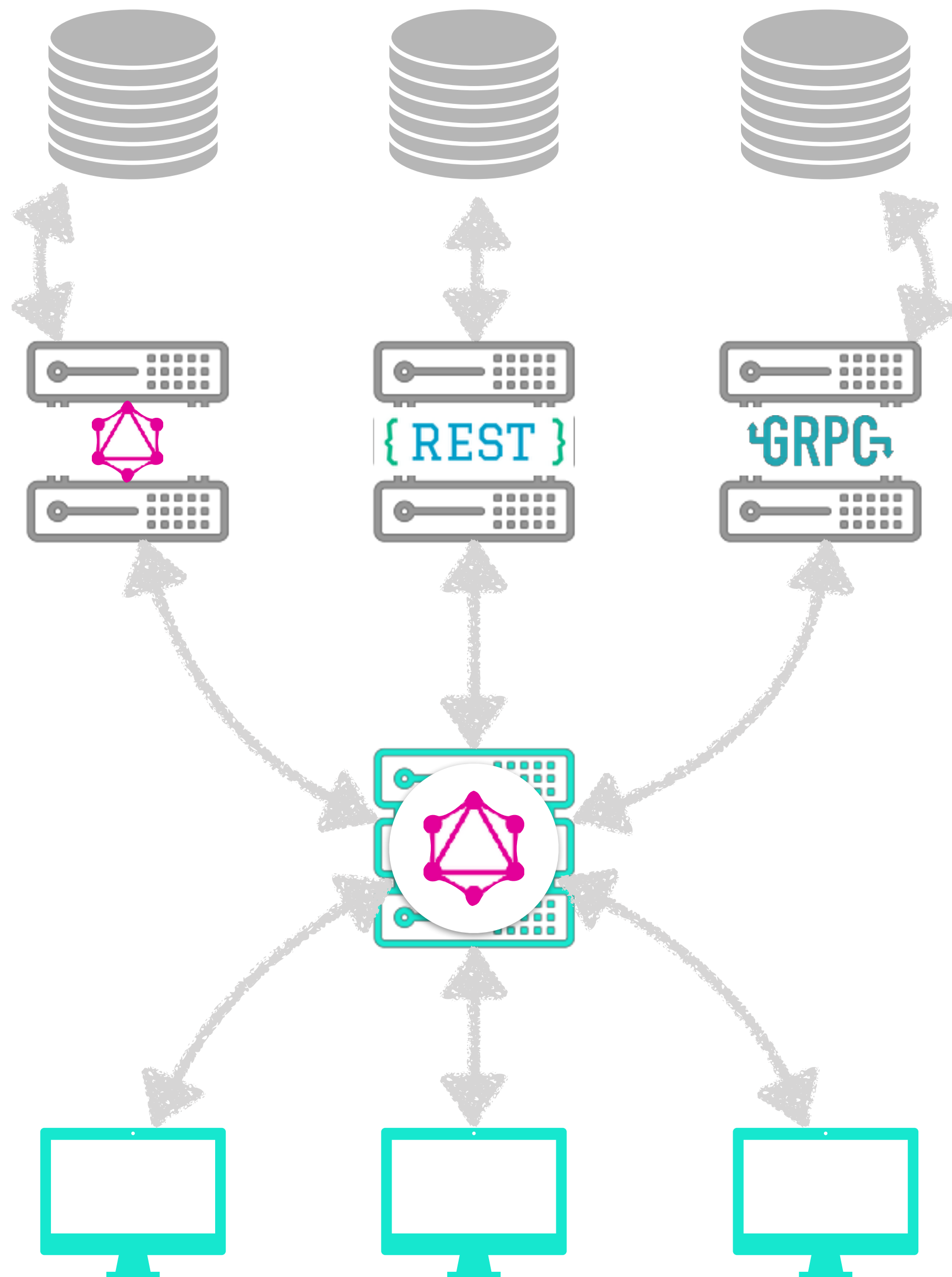




BRACE YOURSELF

ARGO IS COMING





The GraphQL Solution

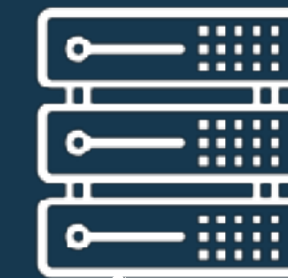
- An **aggregation layer** to handle cross-cutting concern
- **Why GraphQL?**
 - Explorable schema —> self-documenting
- **Schema Stitching:**
 - Modelling underlying services as an independent schemas
 - “Stitch” the schemas together as nodes in a graph
 - Network advantage: batched request

demo

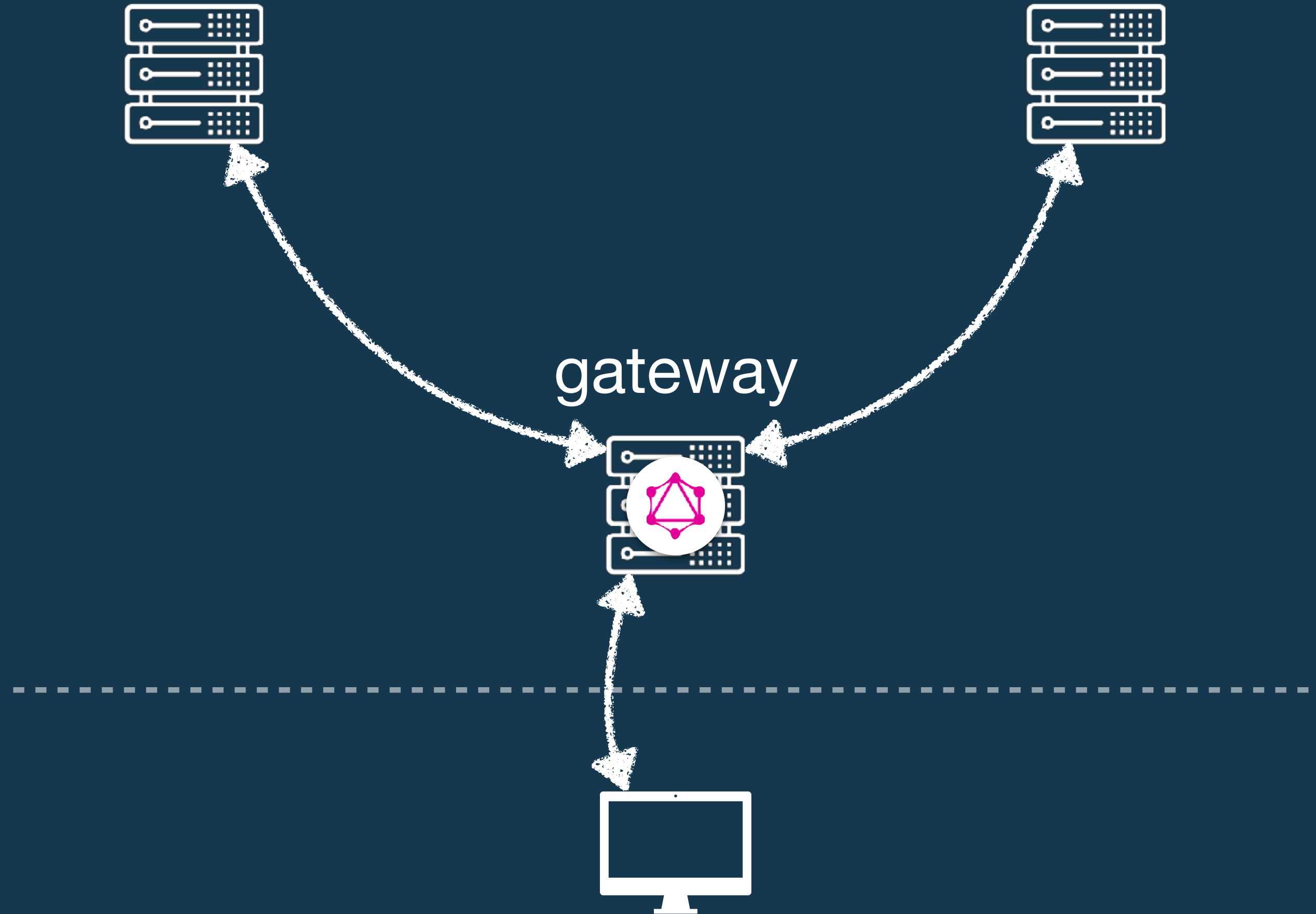
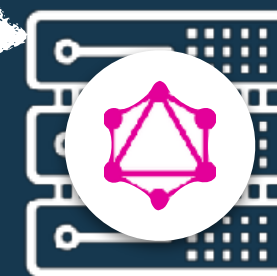
user service



program service



gateway



thank you