

Class 11 Final Project

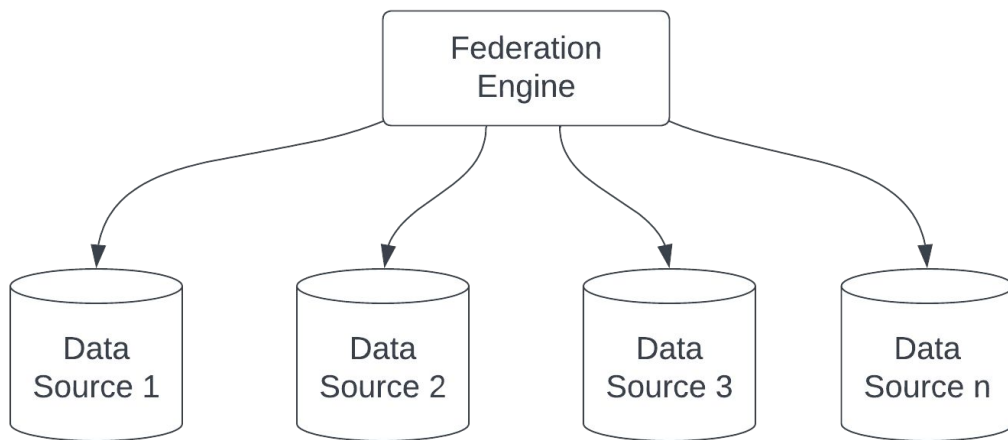
Elements of Databases

Nov 17, 2023

Problem Space

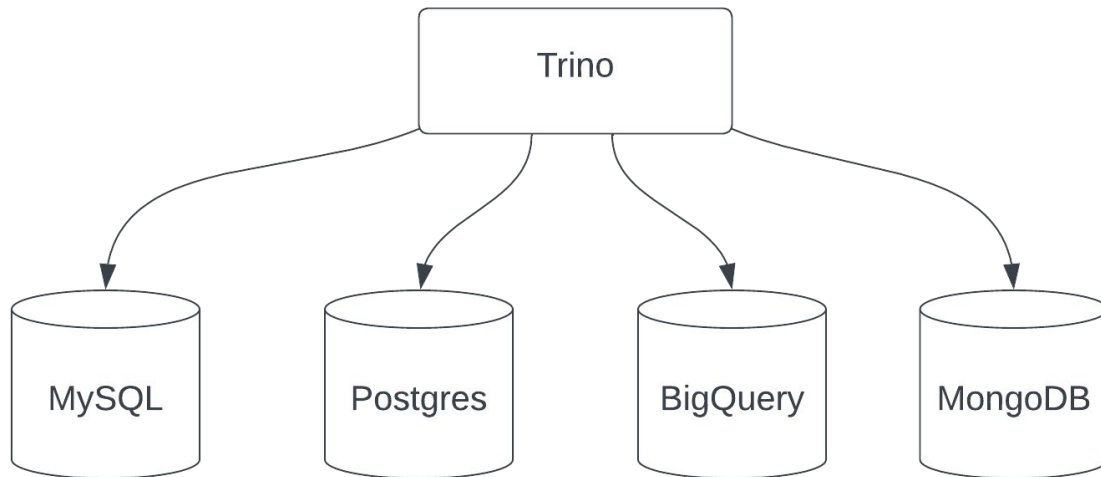
- Data is siloed across my multiple database and file systems
- Replicating data into a warehouse or lake is both time consuming and expensive
- Moving from one query language to another is also expensive and time consuming
- There is a growing desire and push to simplify the data landscape

Query Federation



- Single interface
- Dialect mapping
- Type mapping
- Predicate pushdowns

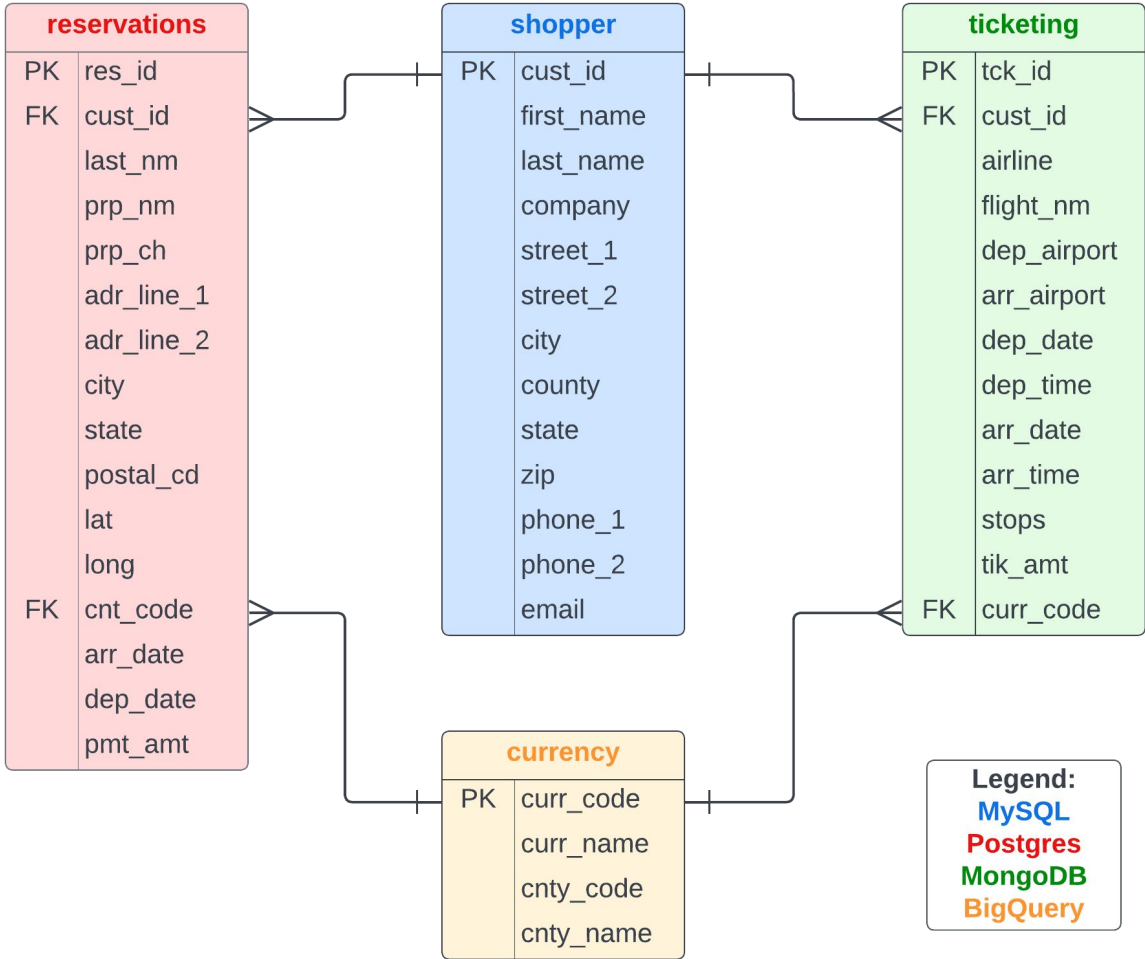
Query Federation



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Trino documentation: <https://trino.io/docs/current>

Final Project ERD



Next Steps

- Two milestones: [Milestone 1](#) and [Milestone 2](#)
- Work collaboratively with your partner
- Work independently as a team
- We're here to guide you, not co-develop
- We've assigned each group a [breakout room](#)
- Come to the main room if you get stuck and need help
- If you need GCP credits, consult [our guide](#)
- We will regroup at ~3:45pm to share updates and lessons learned