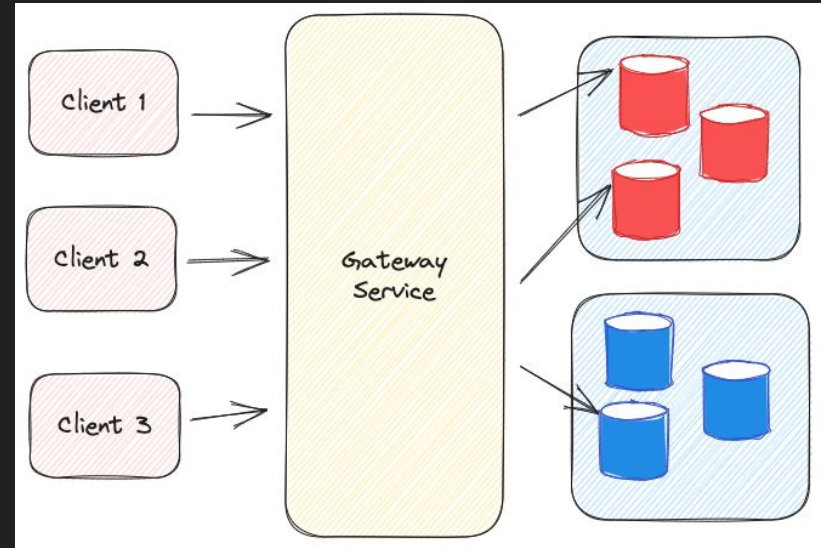


Composable Gateway for Databases

Speaker: Aditya Jalan (Meta Platforms, Inc.)

Gateway and its responsibilities

- Intermediary between application and databases
- Connection Management
- Routing and Discoverability
- Authorization and Authentication
- Tenant Isolation
- Load Balancing
- Caching
- Analytics



Do we really need
dedicated gateways?

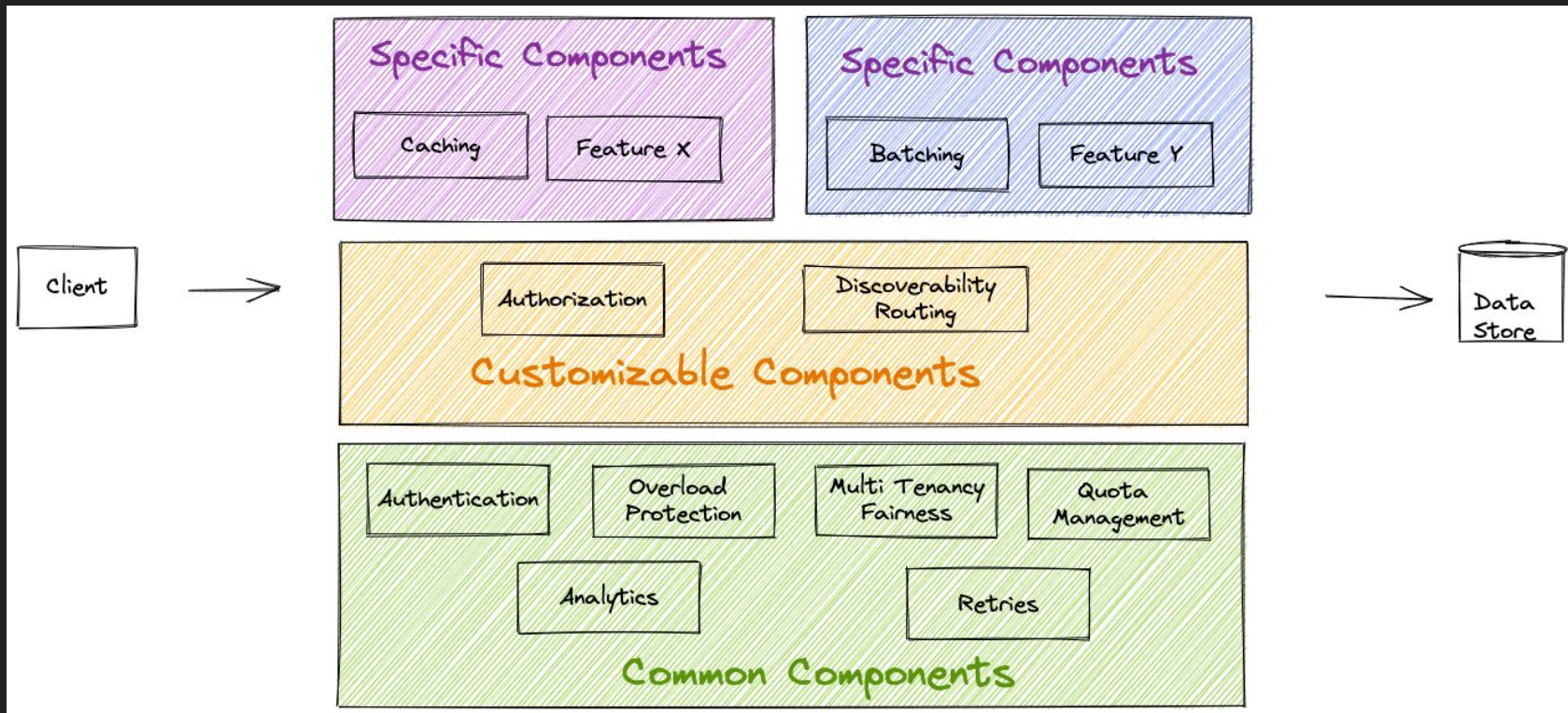
Meta's approach to building a composable gateway

- Different gateways for MySQL and ZippyDB
- Quite a lot of common features between the two

Building a composable pipeline

- Common components are being merged
- Capability to customize required features
- Option to plug additional features
- Migration of MySQL to use thrift

Composable gateway template



Benefits

- Enhanced Developer Productivity
- Reduced maintenance overhead
- Reliability
- Consistent experience across stacks

Thank You