



Data Management Design Pattern

When we use database per service pattern, the data is distributed across the microservices within the System, in order to query and aggregate the data within the System we use Api Composer

ApiComposer is an query service, which takes care of delegating the calls to the underlying services, aggregates/joins the data in-memory and returns the data to the client.

advantages:-

1. Through API Composer we can aggregate the data across the services, thus avoiding each service to implement the data aggregation

dis-advantage:-

1. since the data sets are joined within the memory, it leads to increased memory usage and might run into memory issues
2. as we iterate through large datasets of records, the performance would be impacted.