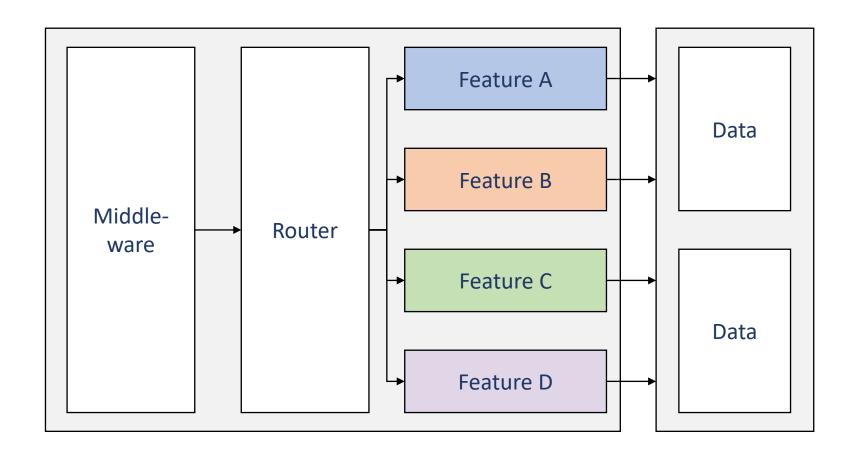


Today

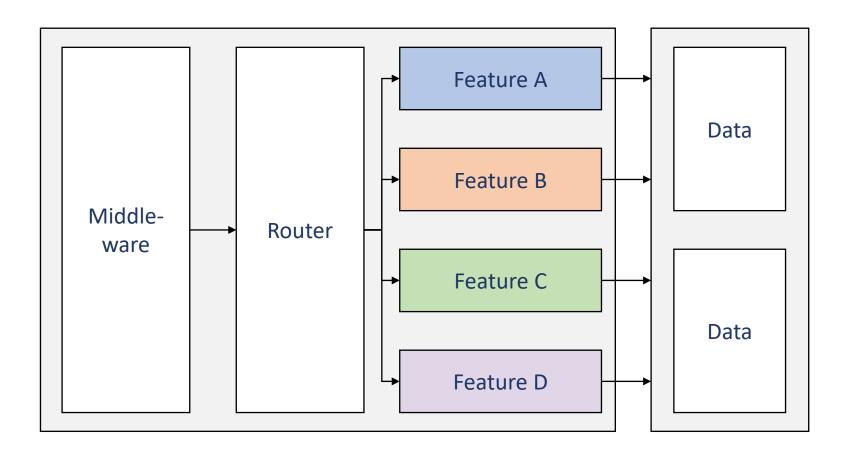
- Monolithic Architecture
- Micro-Service Architecture
- Data Management Between Services
- Database Per Service

This is probably how you are building your systems right now.



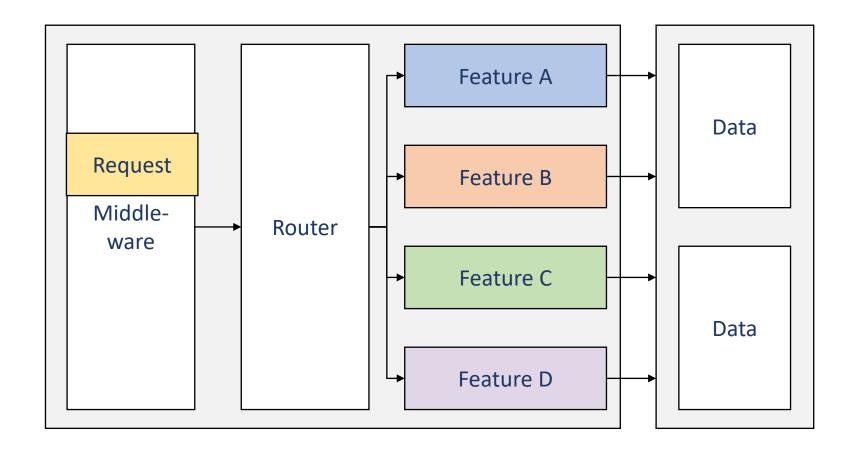
A request arrives on some port given some route.

Request

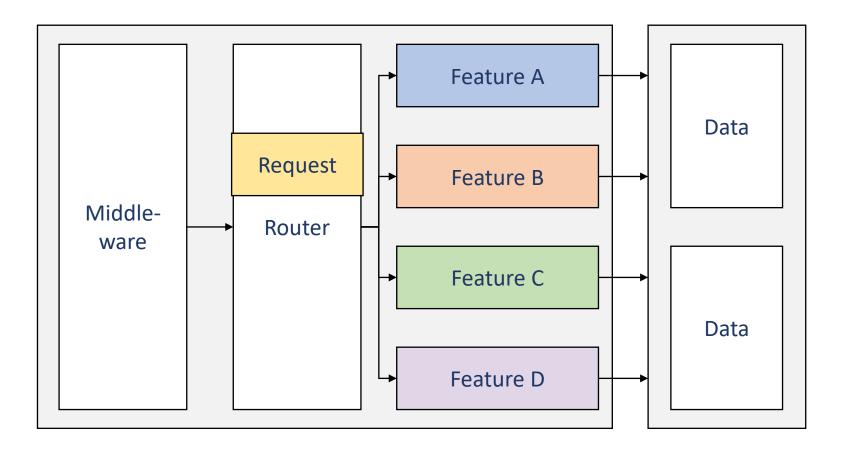


The various middleware processes the request.

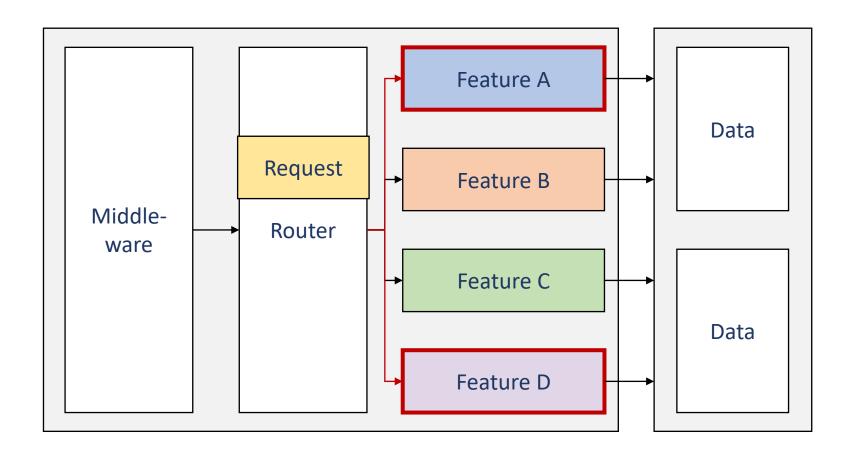
Body parsing, sessions, authentication, etc.



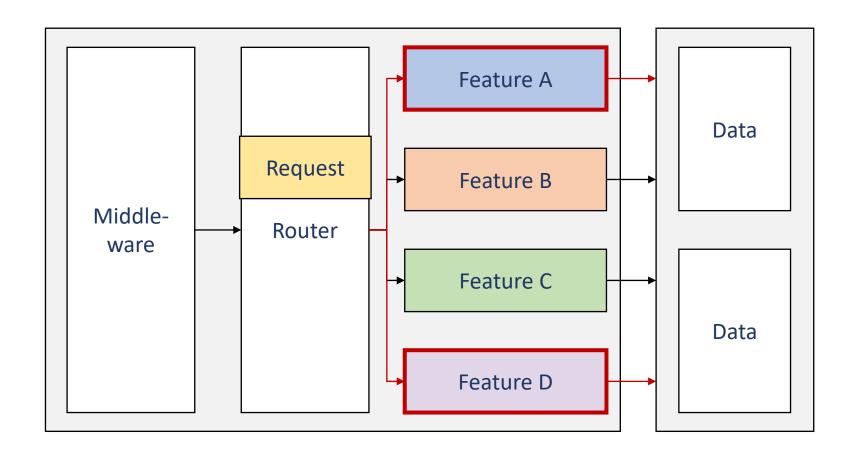
The router looks at the route to determine what the request and invokes the appropriate controller.



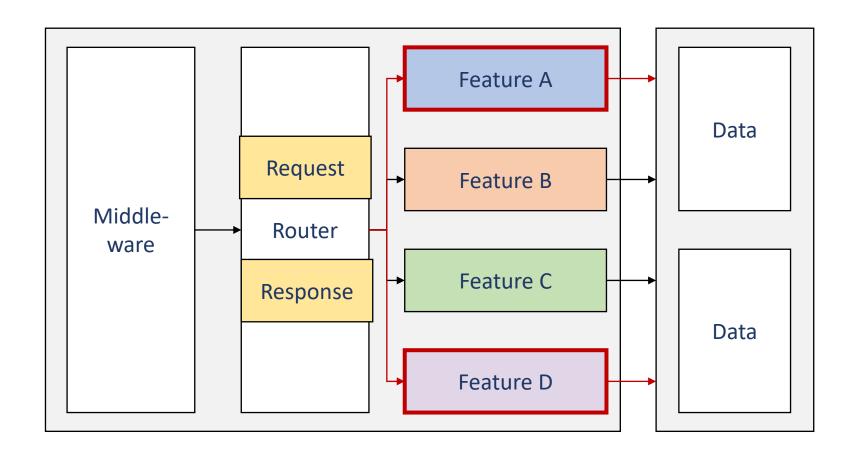
This, in turn, causes various features to be activated.



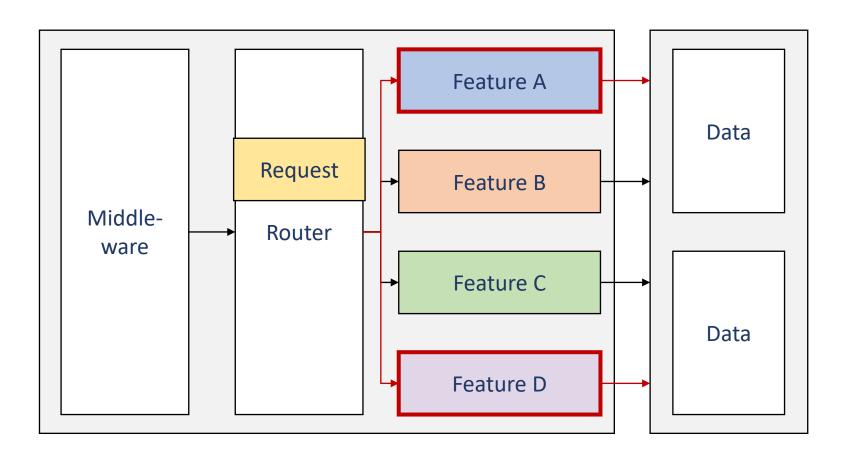
Data is fetched/stored through various CRUD operations.



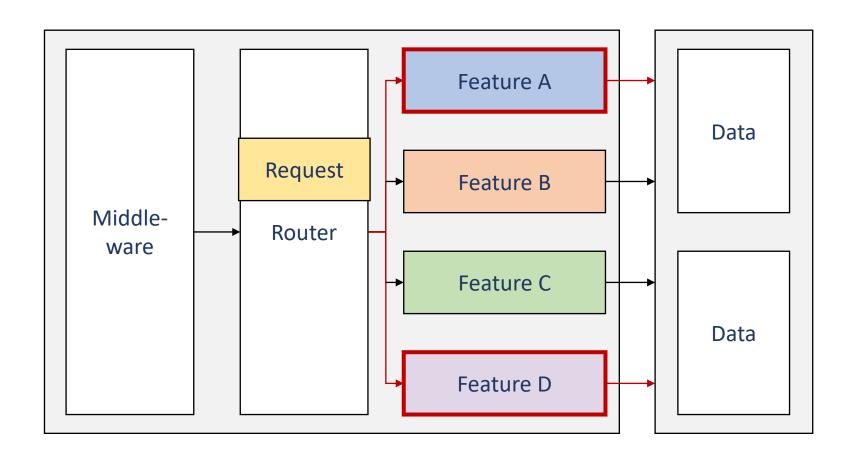
The activated features complete and a response is constructed.



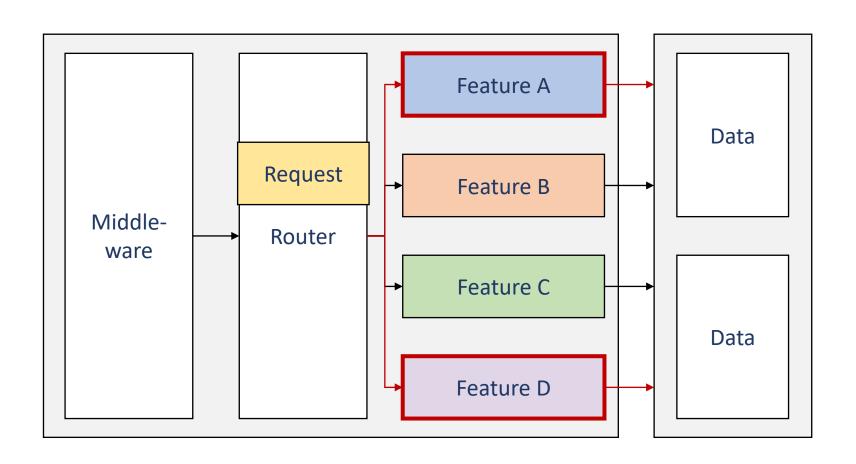
The response is then sent back to the requesting client.



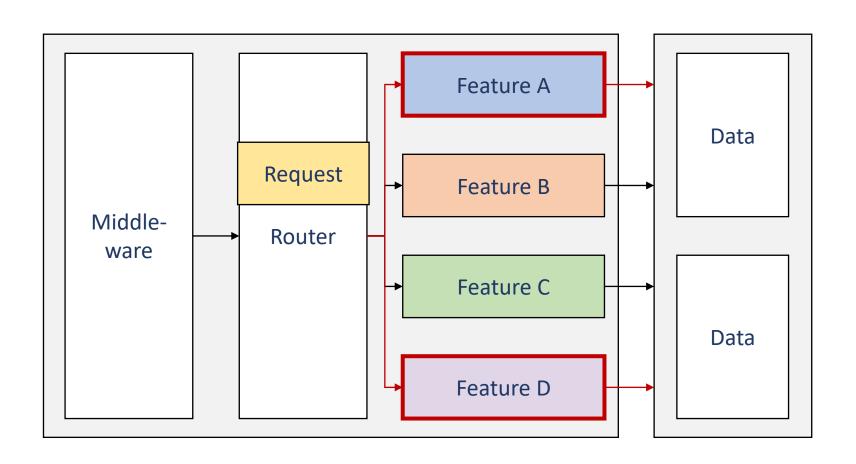
This is not an unreasonable approach to building a web system.



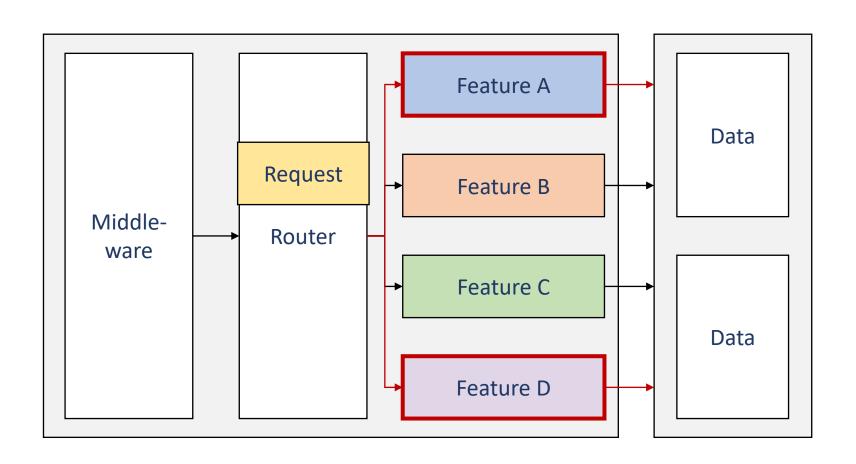
Do other architectures exist for doing this?



Are there ways to make this more efficient?



What if we scale this to a million requests per second?



Code Example: 01-monolith