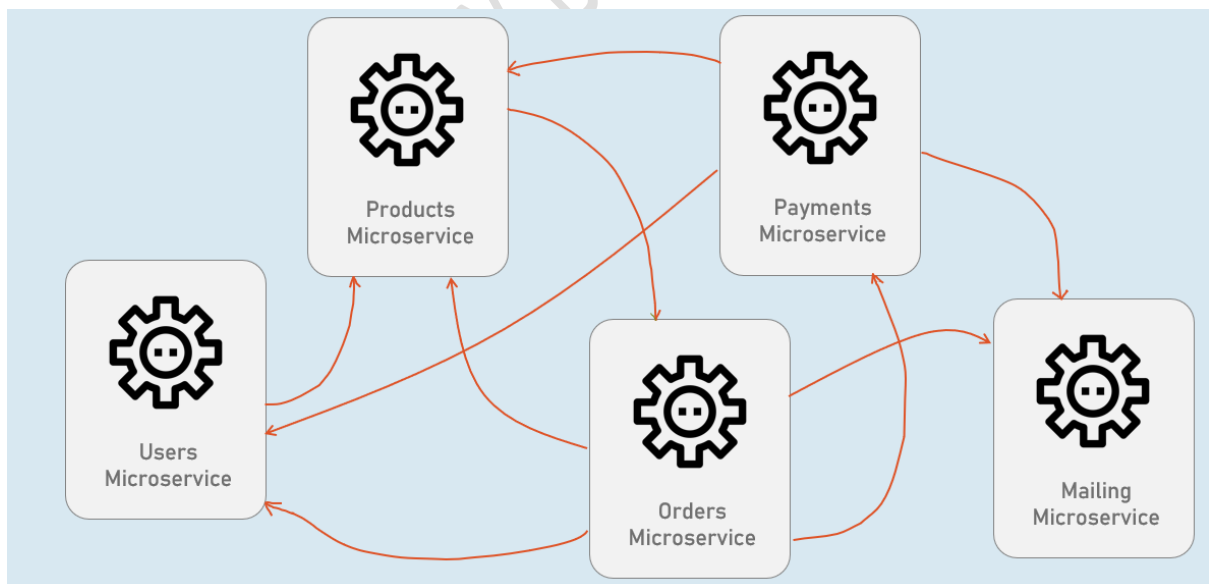
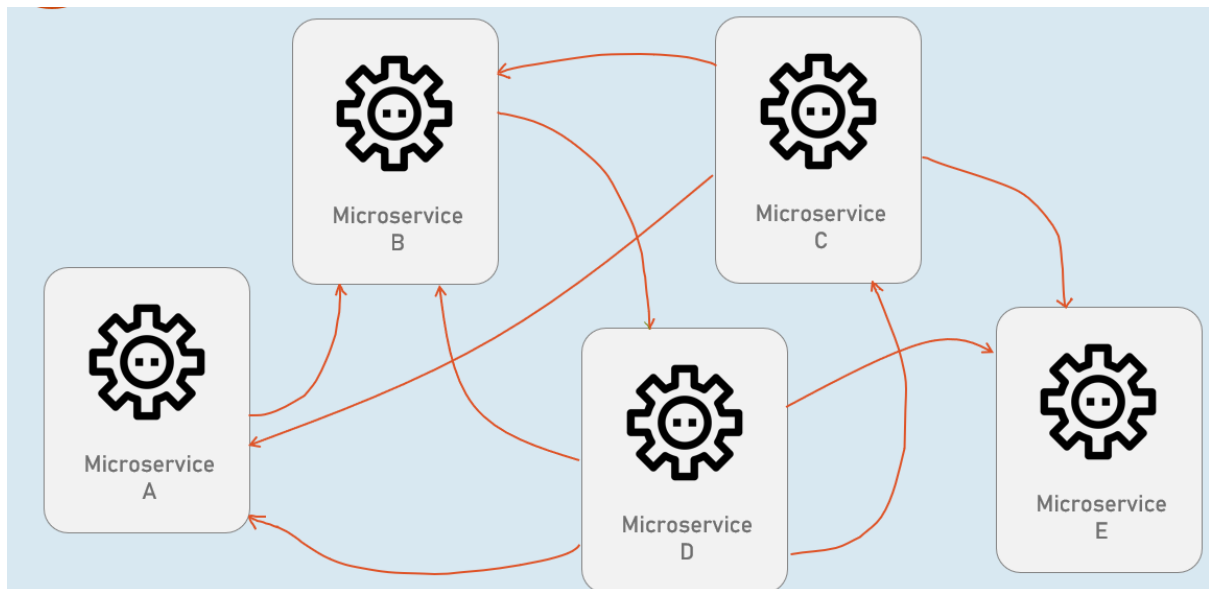


.NET Core Microservices – True Ultimate Guide

Section 7 – Synchronous Microservice Communication – Cheat Sheet

Microservice Communication



Microservice Communication Patterns

1. Synchronous Communication / Brokerless Design

- HTTP / REST
- gRPC (Google Remote Procedure Call)

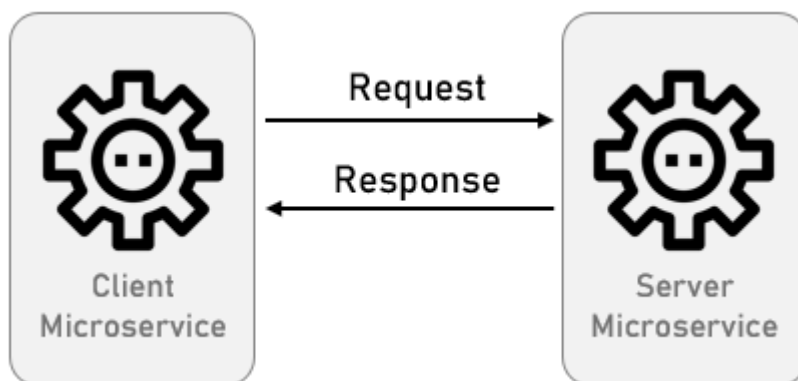
2. Asynchronous Communication / Brokered Design

- RabbitMQ
- Azure Service Bus &
- Azure Event Grid
- Apache
- Kafka
- SQS (Amazon Simple Queue Service)

1. HTTP

Client Microservice sends request to the Server Microservice;

Server Microservice sends response to the Client Microservice.



2. Message Queue

Producer Microservice sends a message to the Message Queue;

The Message Queue stores / holds the message until the Consumer Microservice reads it;

Consumer Microservice reads the message from the Message Queue.



HttpClient

HttpClient is a class for sending HTTP requests to a specific HTTP resource (other microservices' endpoints or third party API endpoints) and receiving HTTP responses from the same.

