



Overview of Serverless Design Patterns

Understanding the Importance and Characteristics of Serverless Design Patterns







What are design Patterns

Reusable solutions to common problems

Best practices and proven solutions

• Building blocks for maintainable, scalable, and robust software







Why Design Patterns Mattern

Address complexity

Encourage best practices and standardization

Enhance code readability and maintainability

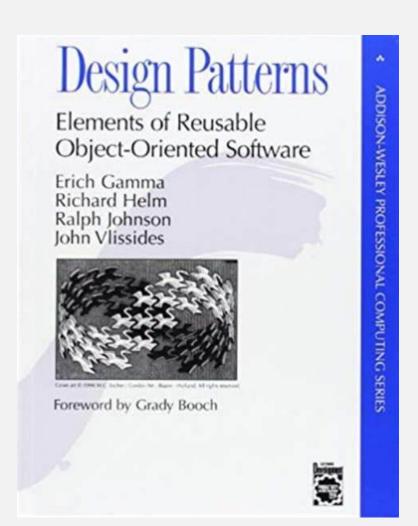
Facilitate collaboration







Gang of Four











Types of Design Patterns

Creational

Structural

Behavioral

Concurrency

Architectural

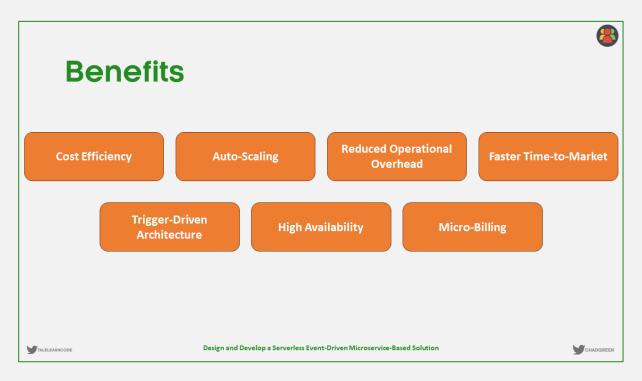
Cloud







Serverless Design Patterns











Common Characteristics

Event-Driven

Scalability

Microservices

Managed Services







Exploring Serverless Design Patterns

Sample of Serverless Design Patterns







High-Level Patterns



Types of Serverless Architecture

Function as a Service (FaaS)

Backend as a Service (BaaS)



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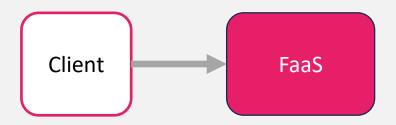








Simple Web Service

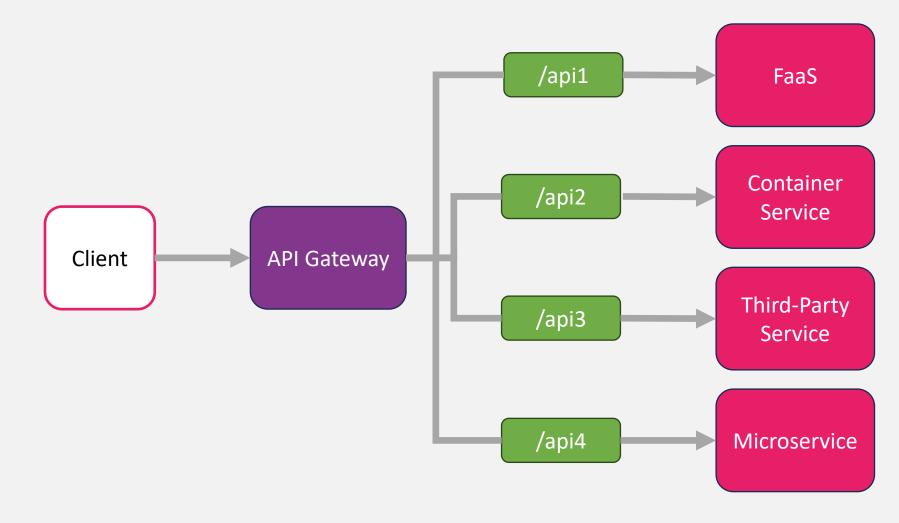








API Gateway

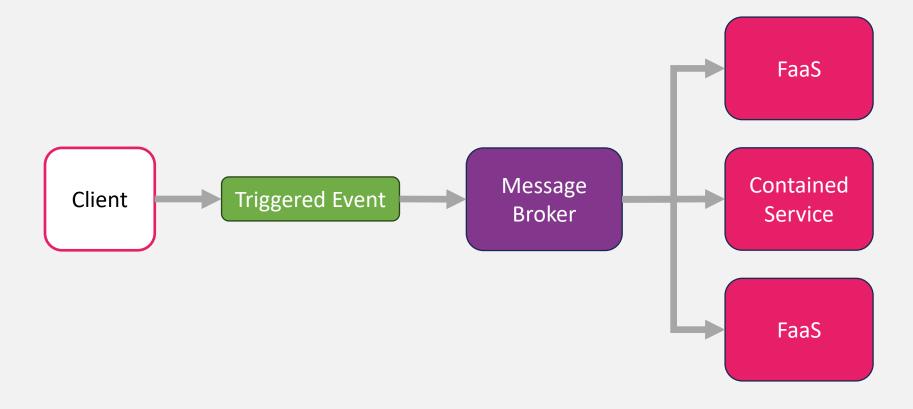








Decoupled Messaging

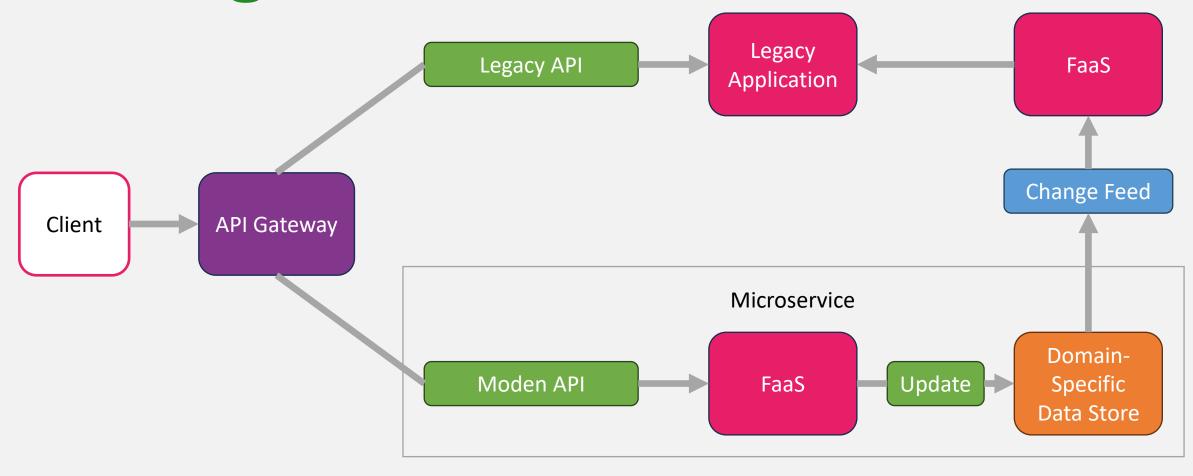








Strangler

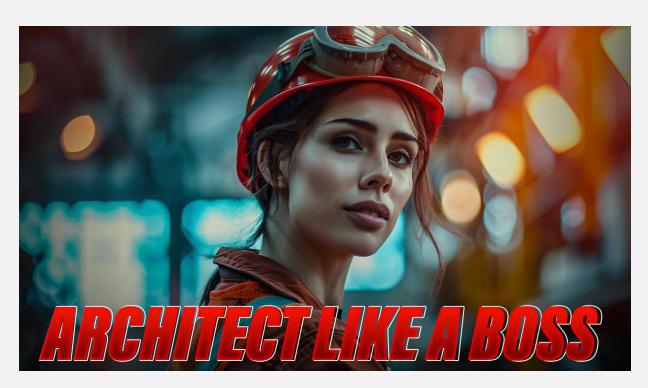








Learn More





Thursday – 4:00 pm Lancaster 2&3 Friday – 11:30 am Arbor 2







