Introduction to Integration With Apache Camel

Introduction to Enterprise Integration

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Apache Camel

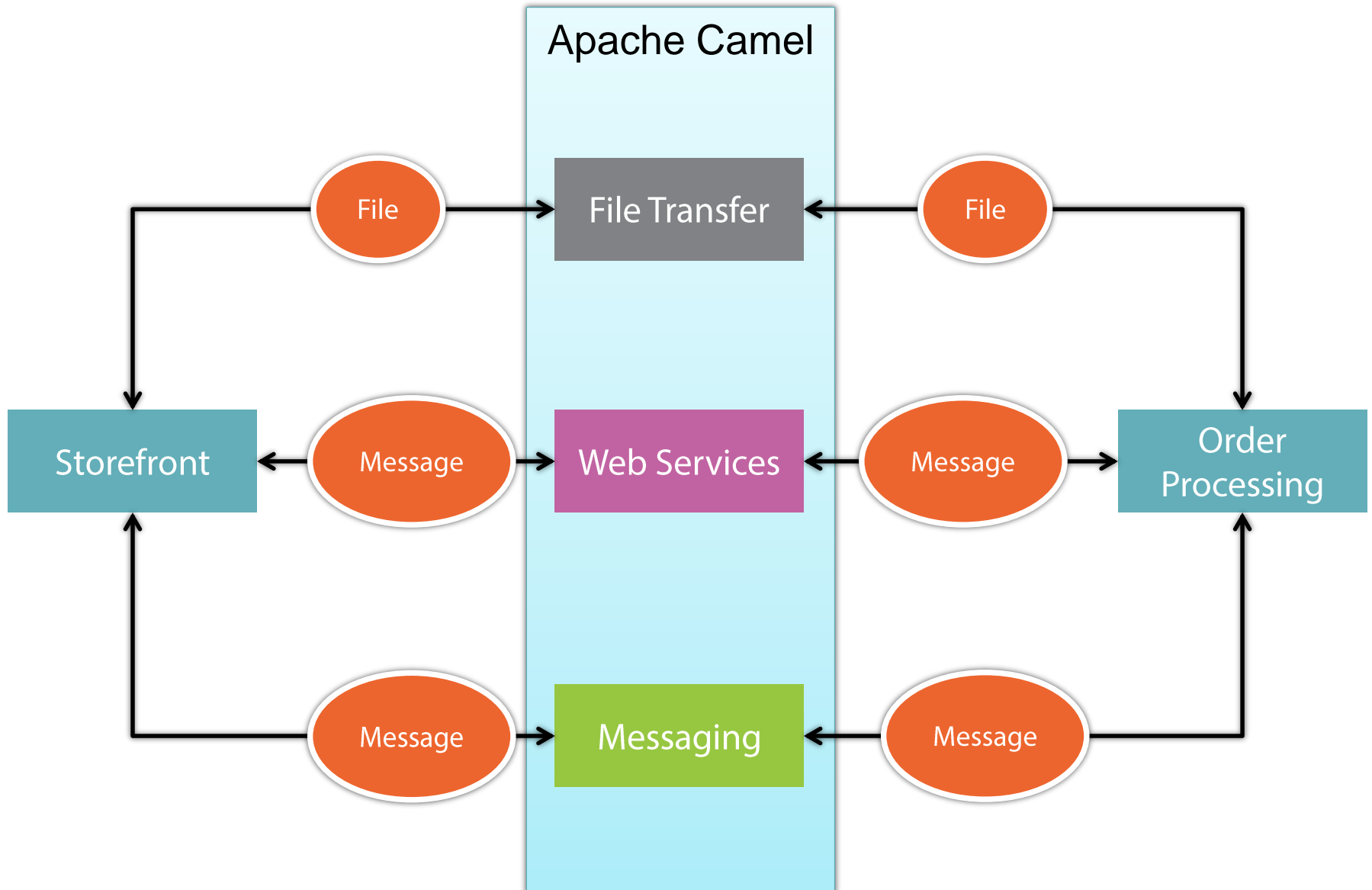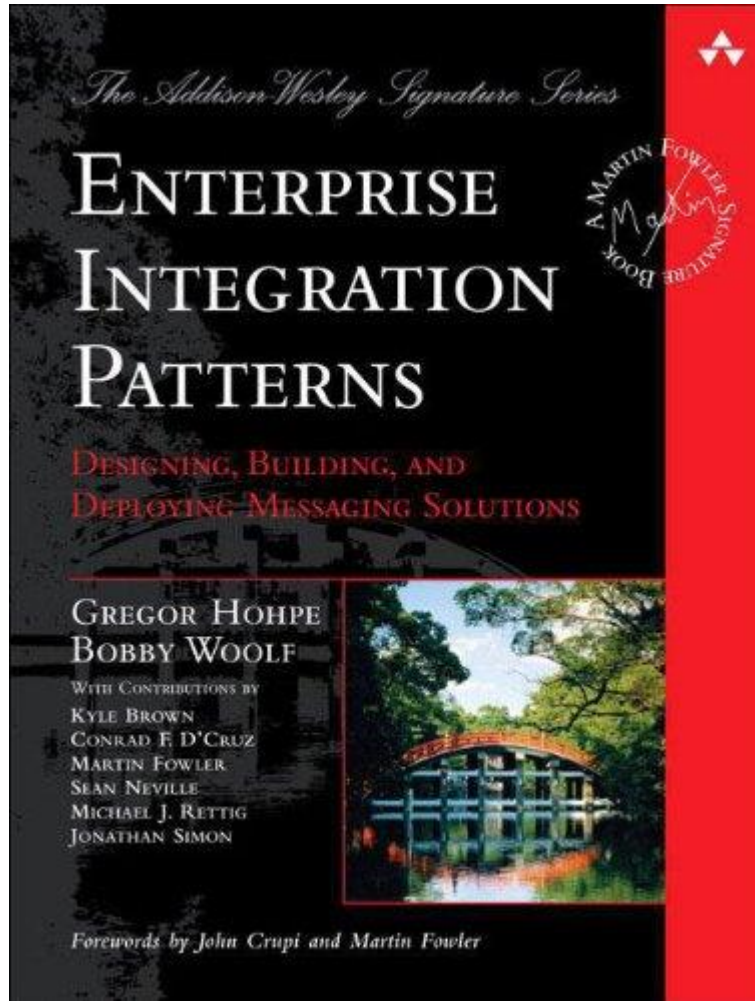| Enterprise Integration	Camel Fundamentals	Case Study
✓ Enterprise Integration Patterns	✓ Mediation ✓ Routing ✓ Endpoints	✓ Order Fulfillment ✓ Introduce Camel Mediation

Enterprise Integration
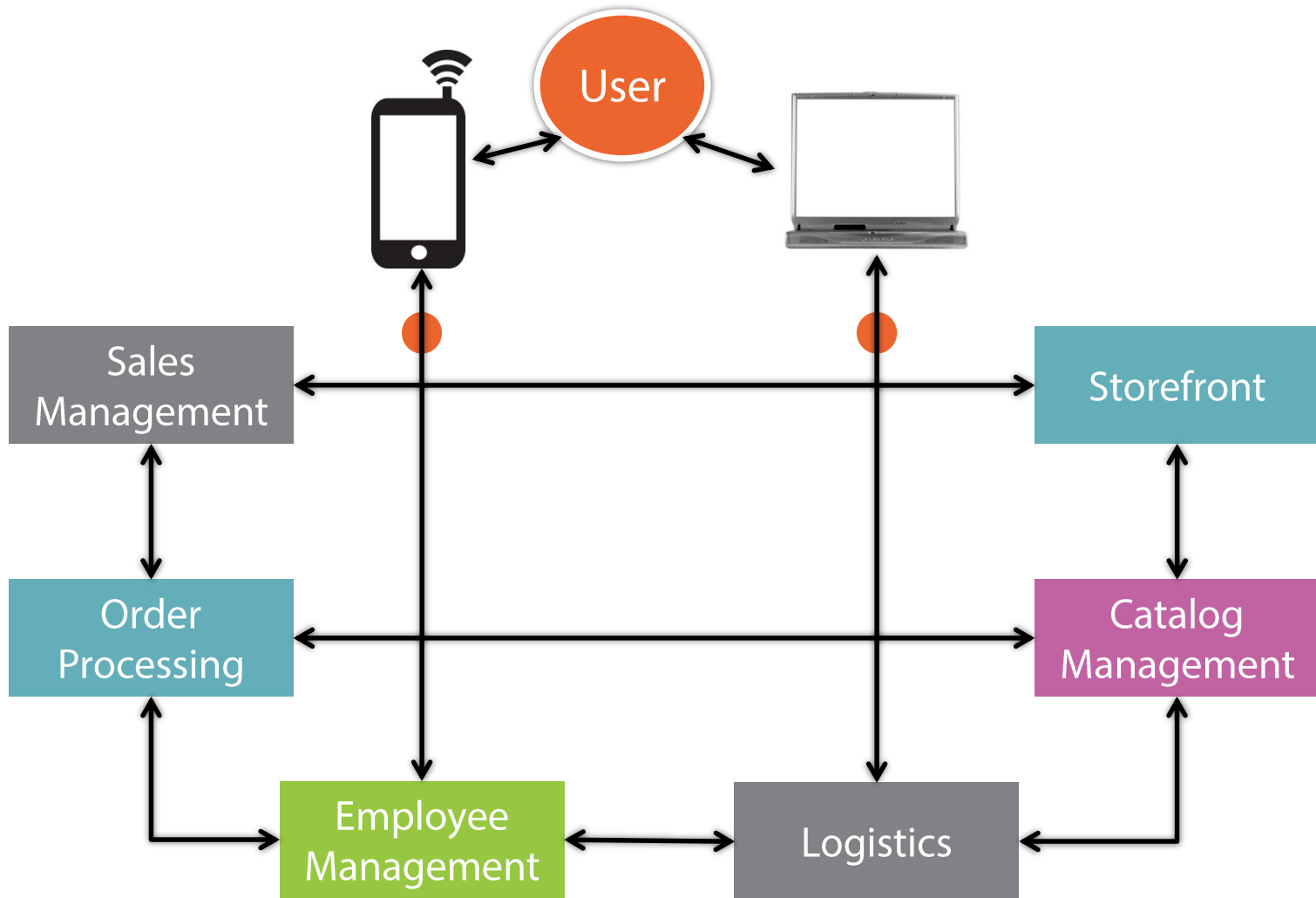
Enterprise Application Integration
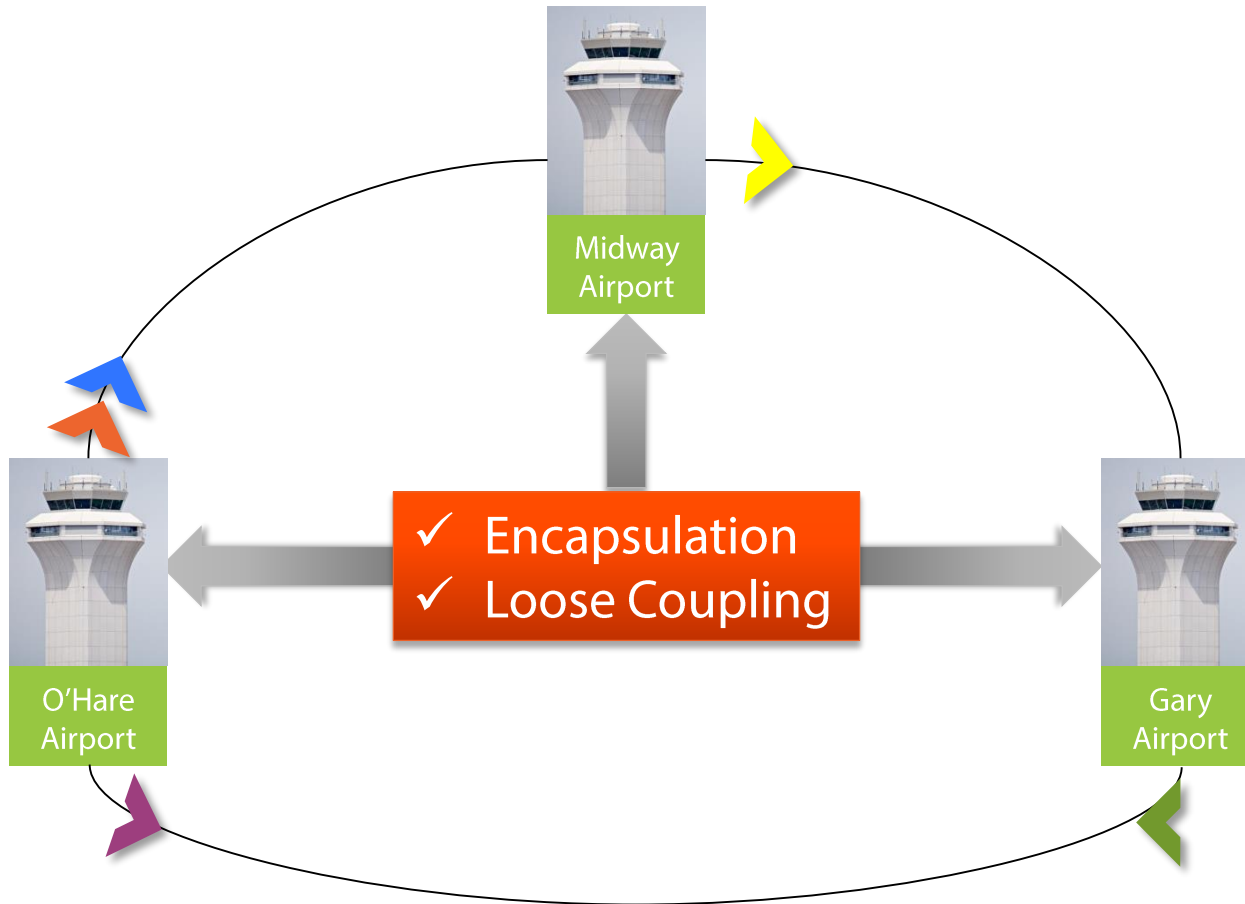
Enterprise Integration Patterns

(Hohpe and Woolf, 2004)

Mediator Behavioral Design Pattern

"Define an object that encapsulates how a set of objects interact. Mediator promotes loose coupling by keeping objects from referring to each other explicitly, and it lets you vary their interaction independently." (Gamma, Helm, Johnson and Vlissides, 1995)
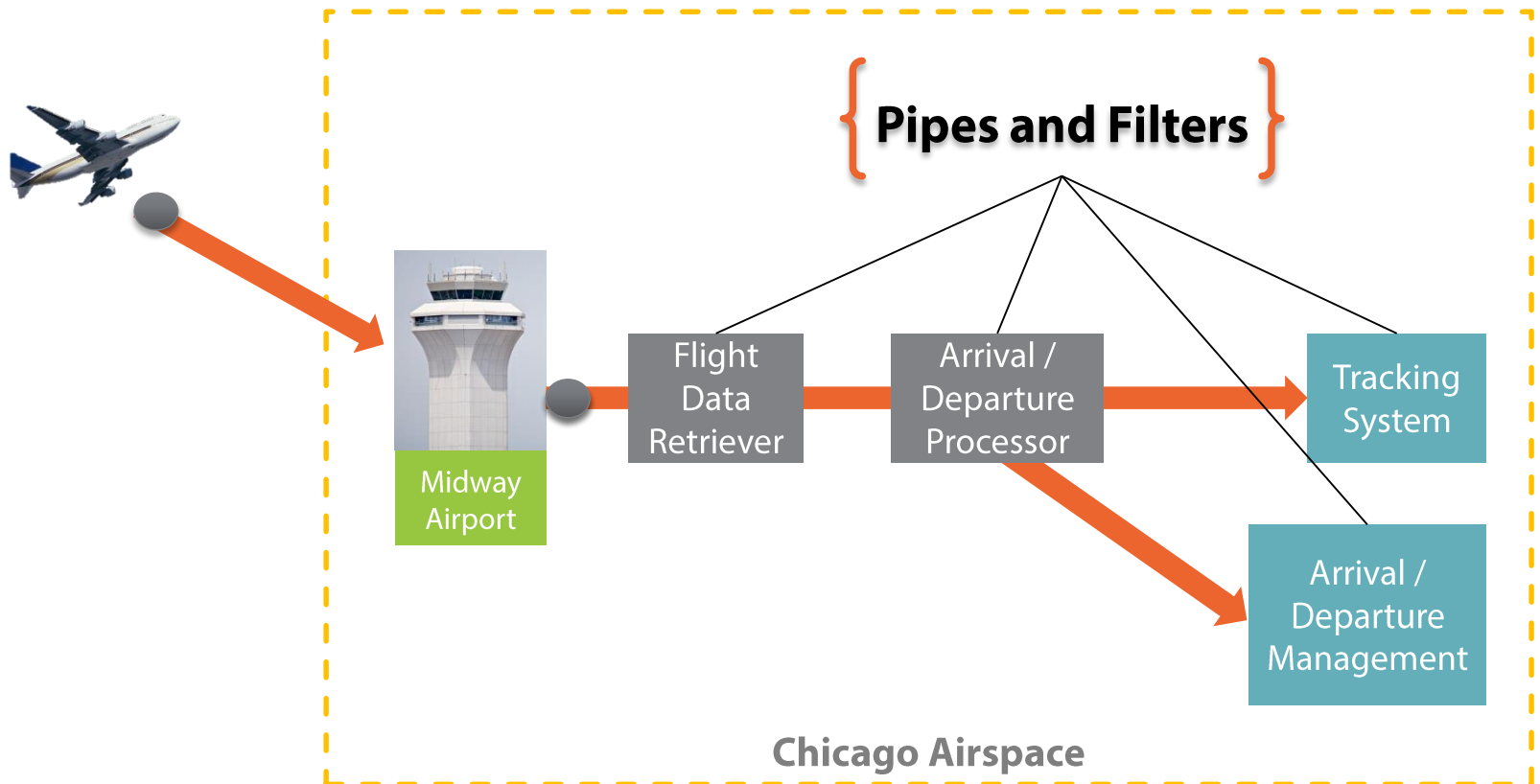
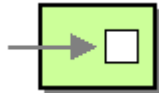# Mediation

Mediator – Air Traffic Control Tower

Channel
Endpoint
Message

O'Hare Airport

Midway Airport

Chicago Airspace

Mediator – Air Traffic Control Tower

{ **Pipes and Filters** }

Midway Airport

Flight Data Retriever

Arrival / Departure Processor

Tracking System

Arrival / Departure Management

Chicago Airspace

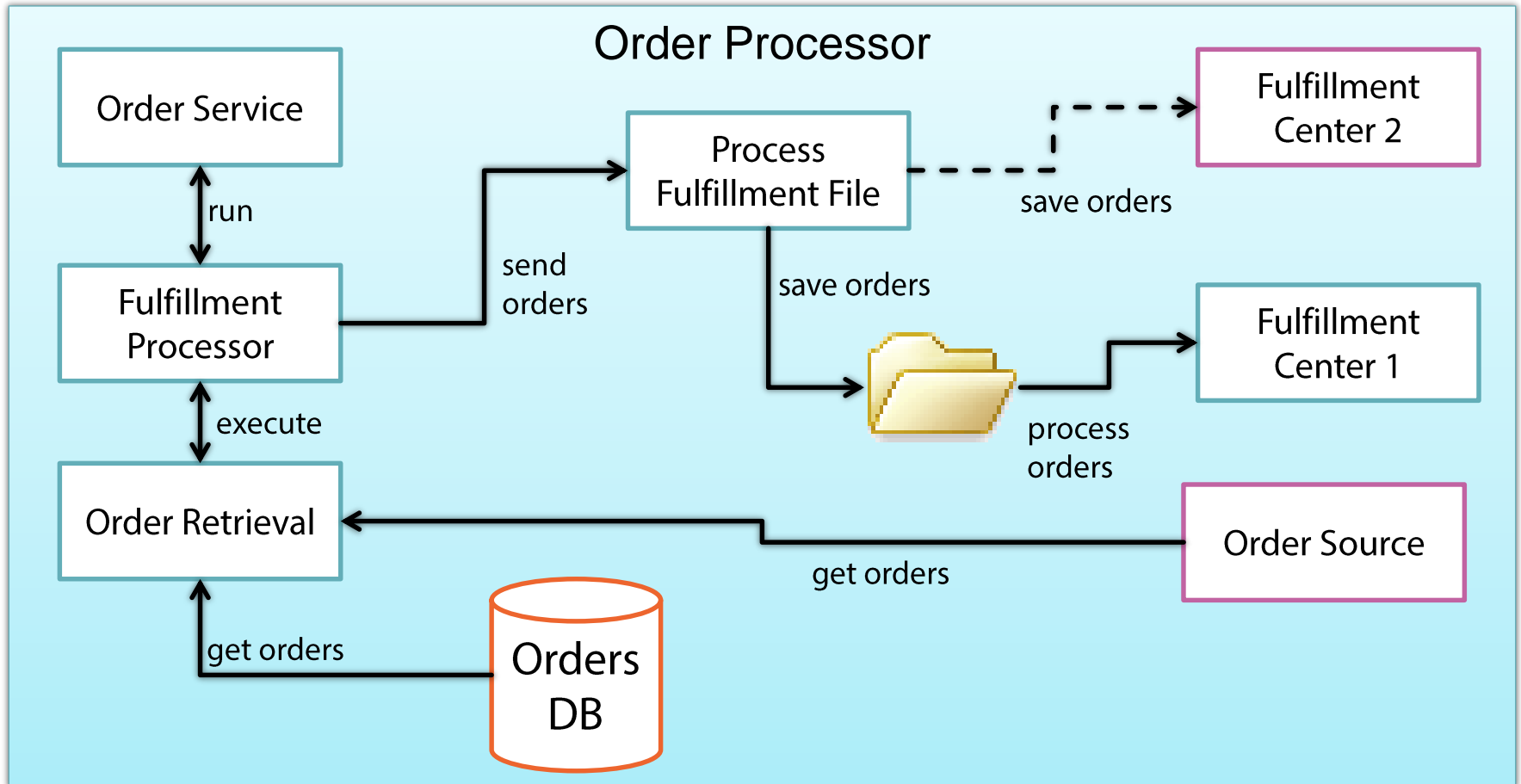# Enterprise Integration Pattern Review

Message
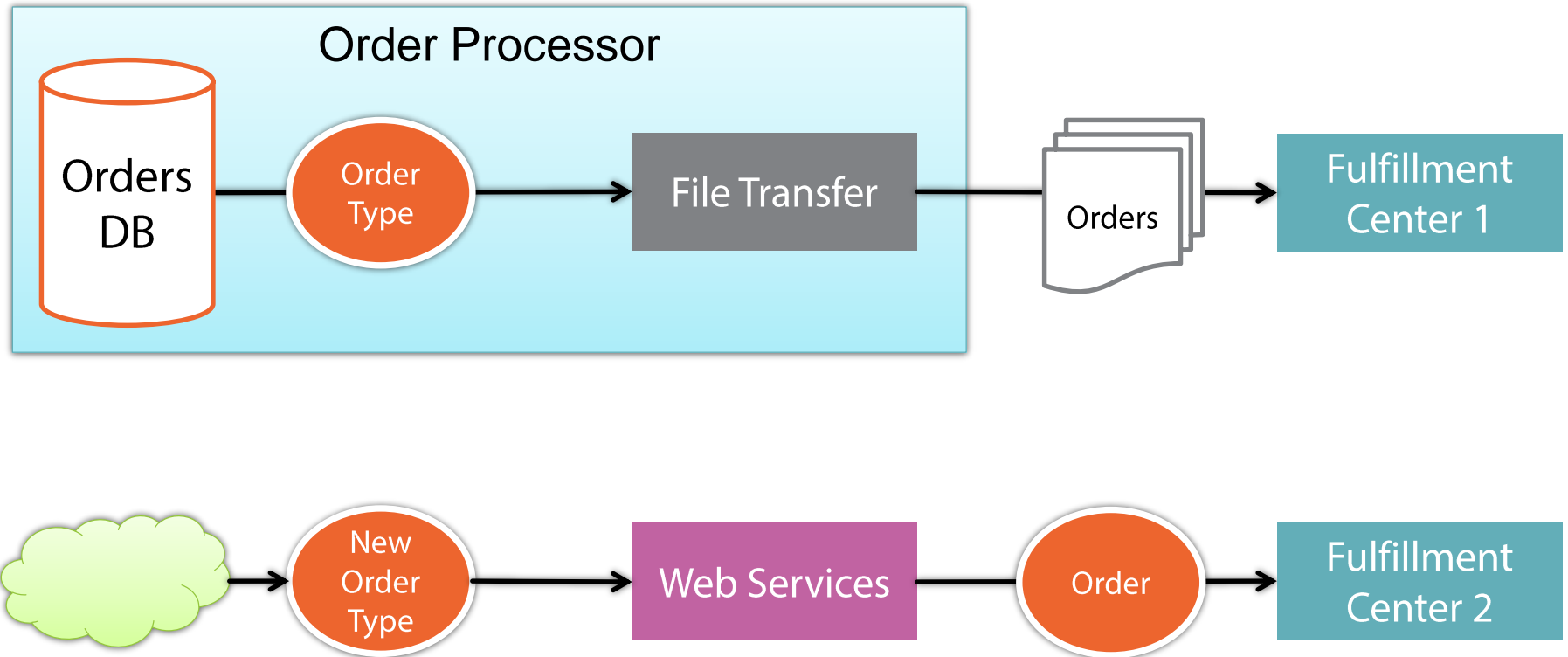
Message Endpoint

Message Channel
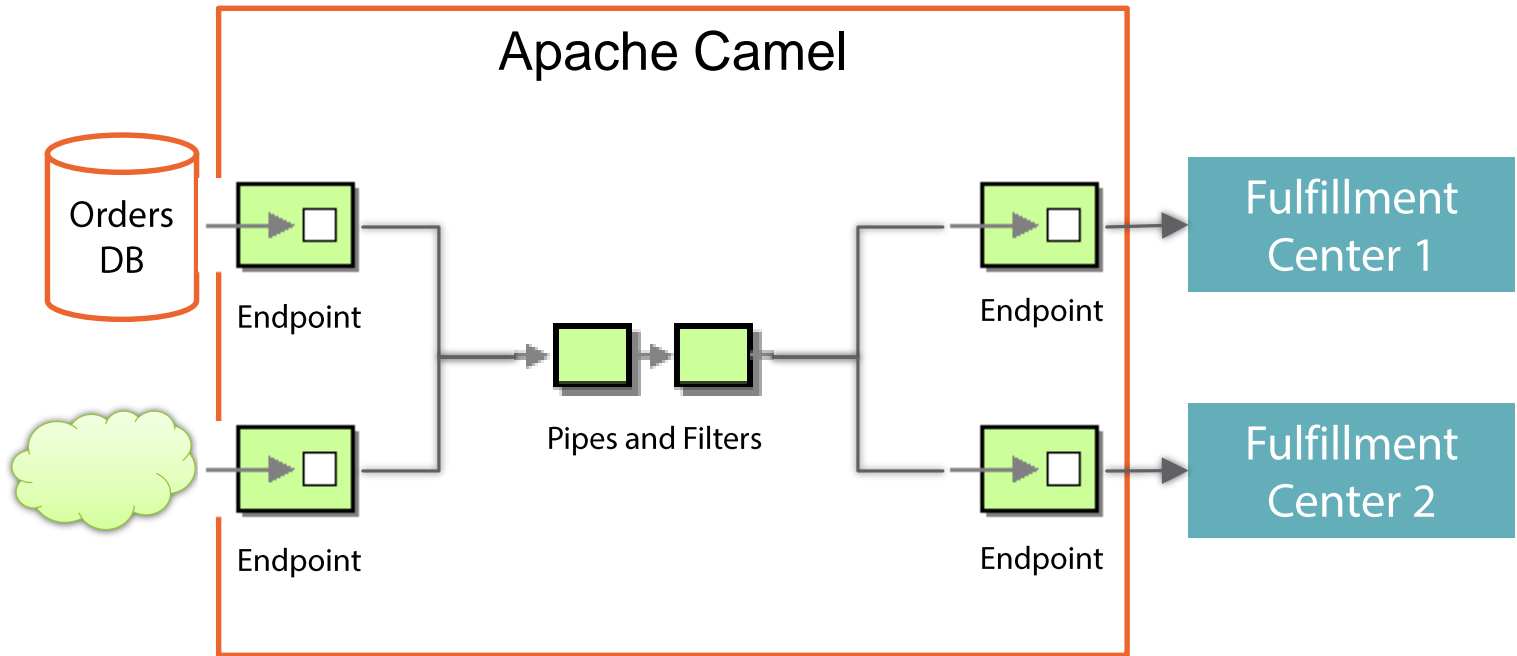
Pipes and Filters

Case Study – Order Fulfillment

Case Study – Order Fulfillment

Case Study – Order Fulfillment

Summary

Enterprise Integration

Camel Fundamentals

Case Study