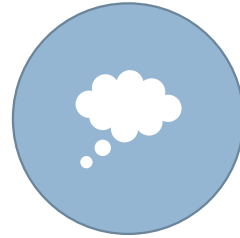


Farmacy Food System Architecture Design

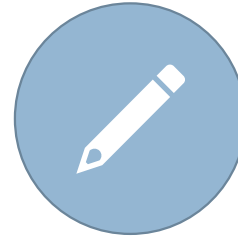
Presented by Team SuperKing



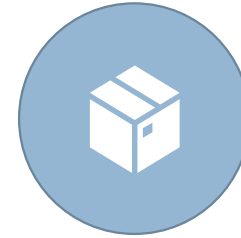
Overview



PRODUCT



ARCHITECTURAL
CHARACTERISTICS



COMPONENT AND
CONNECTION –
WORKFLOW &
ACTOR/ACTION
ANALYSIS



COMPONENT AND
CONNECTION
OVERALL VIEW



ARCHITECTURAL
DECISIONS

Product: Use Case Level 1 Diagram

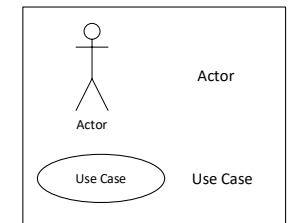
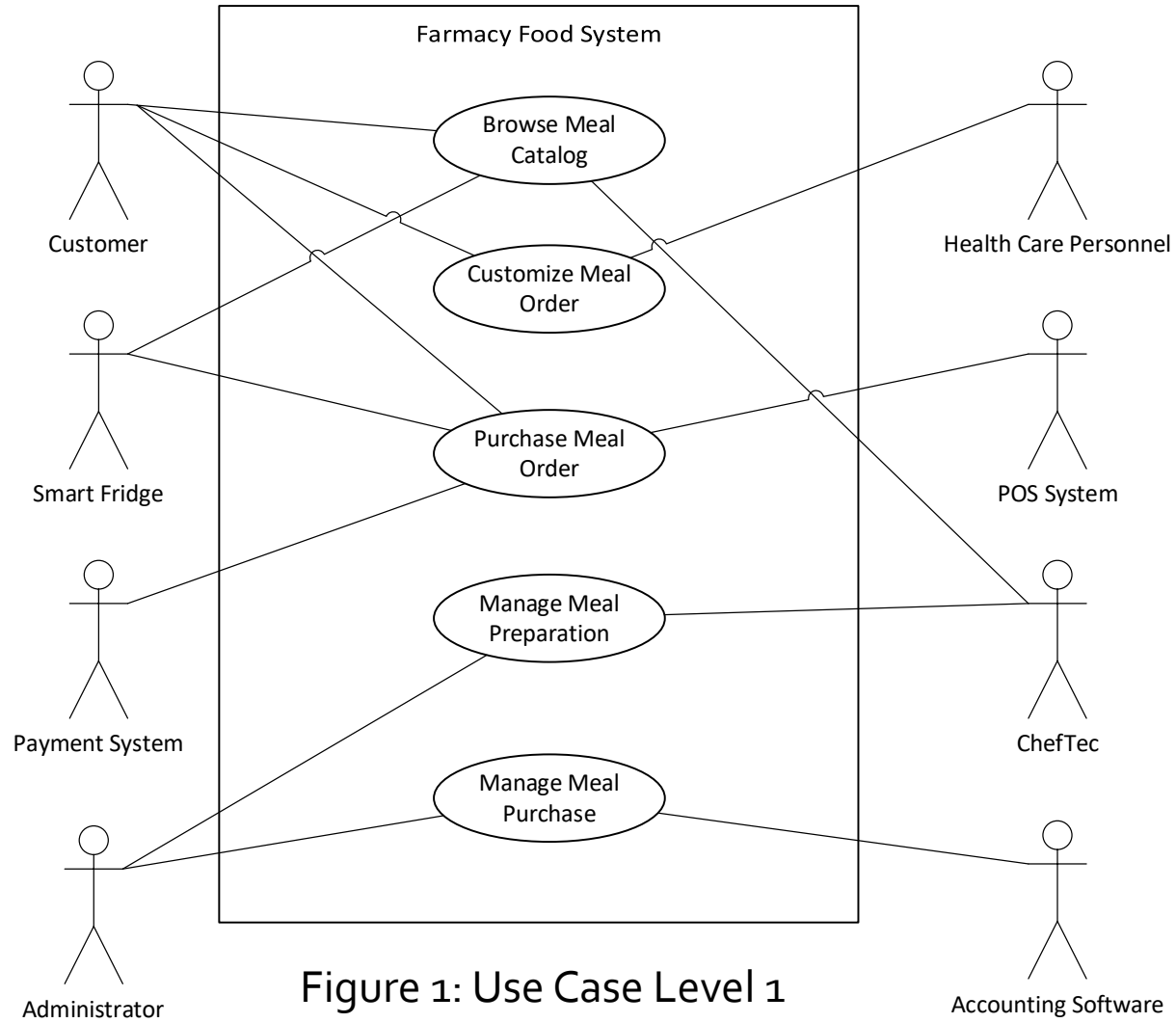


Figure 2: Use Case Key

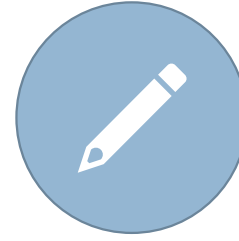
Architectural Characteristics



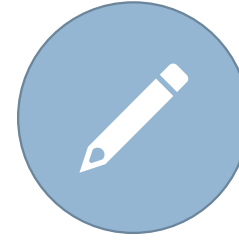
RELIABILITY



AVAILABILITY



COMPLIANCE



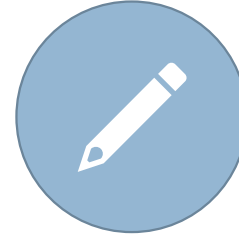
DATA SECURITY



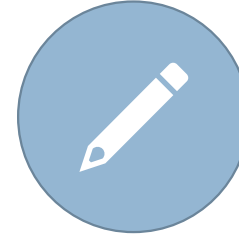
SCALABILITY



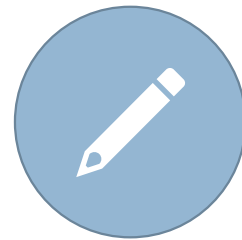
ELASTICITY



PERFORMANCE



CUSTOMIZABILITY



TRANSPARENCY

Component and Connection: Workflow and Actor/Action Analysis



Figure 3: Workflow and Actor/Action Analysis

Component and Connection Overall View

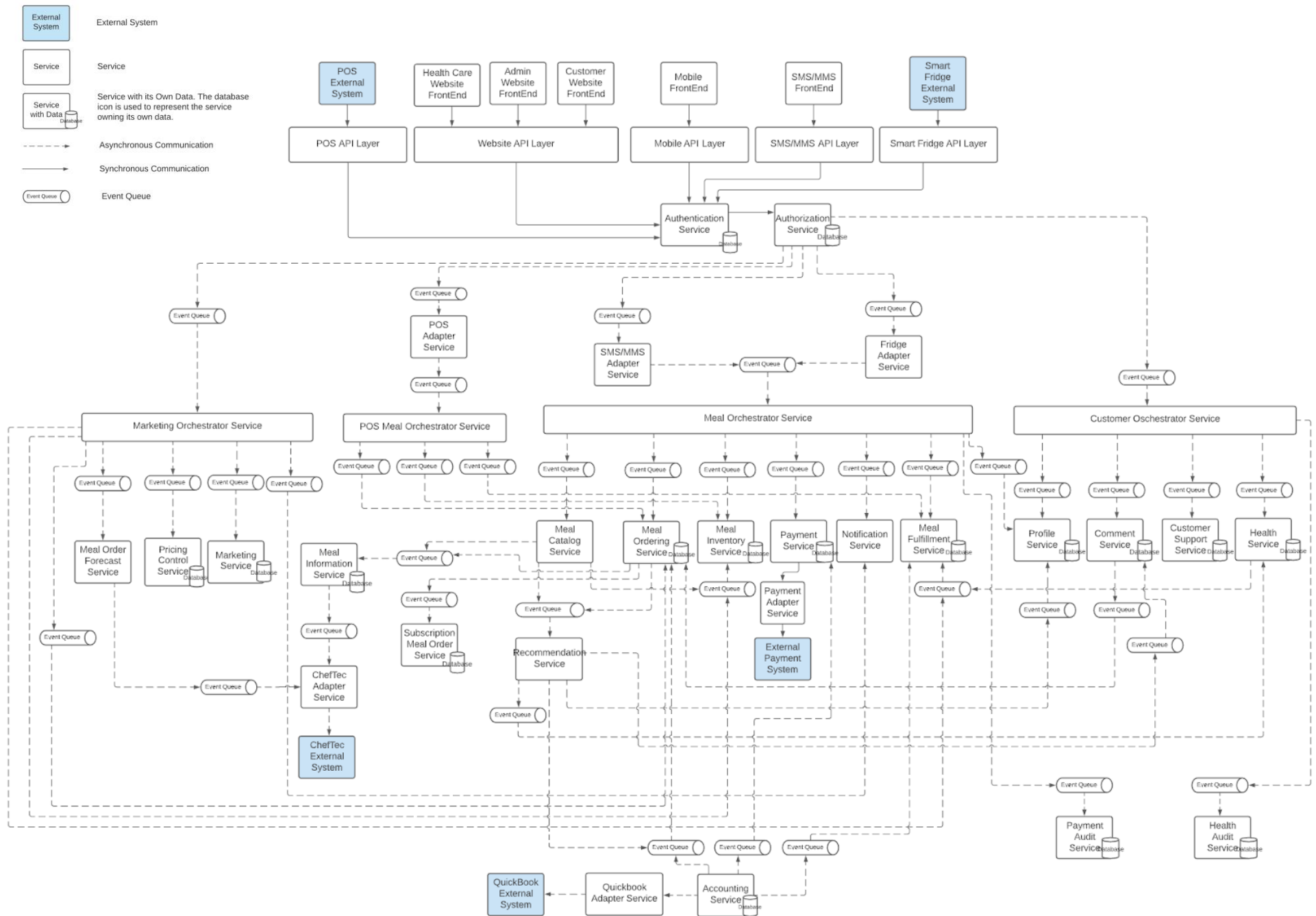


Figure 4: C&C Overall View

Decision 1: Use of Event Driven Microservice Architecture

- Architectural Characteristics:
- Scalability
 - Reliability
 - Elasticity
 - Availability

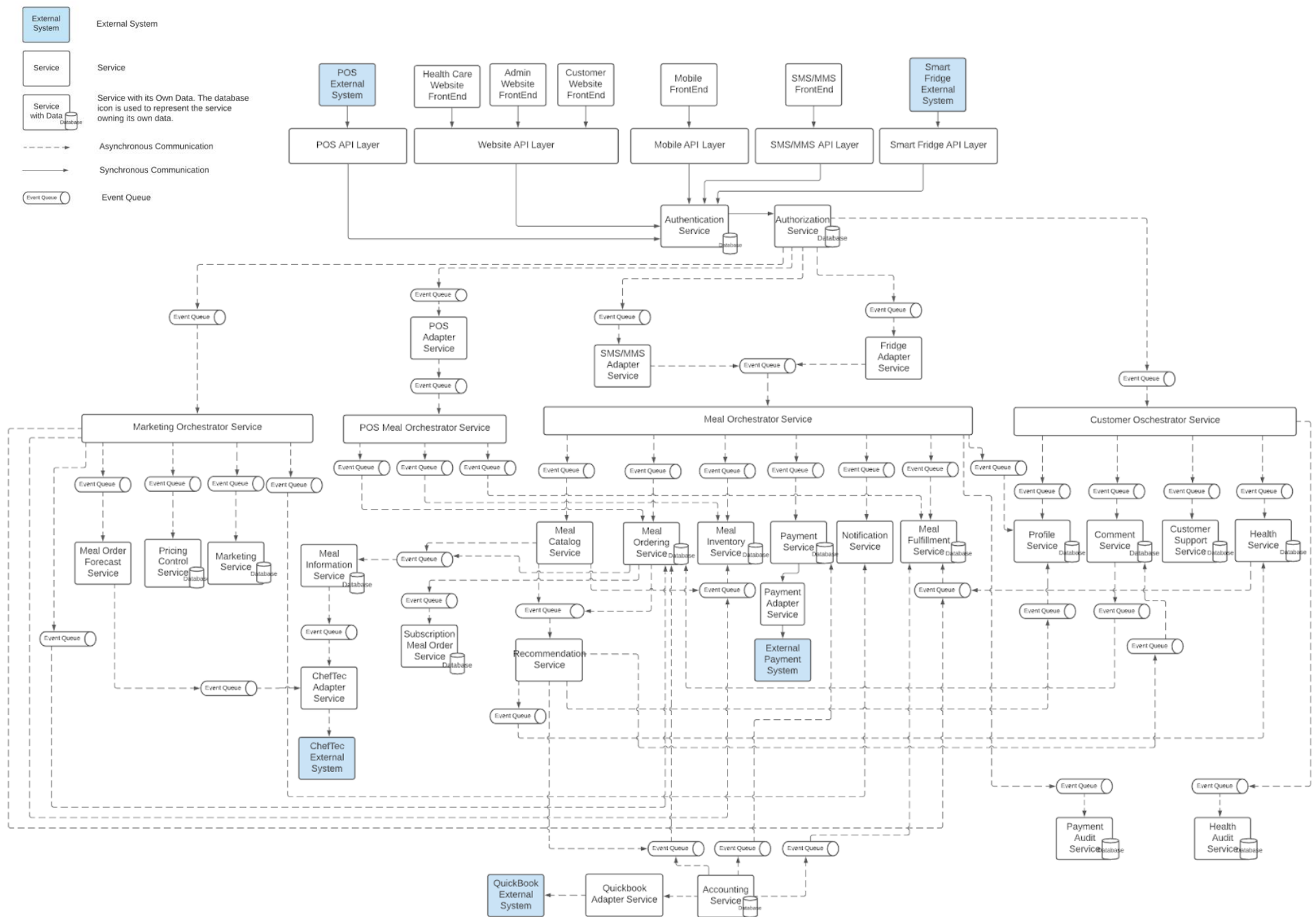


Figure 4: C&C Overall View

Decision 2: Use of Orchestrators and Sagas

- ## Architectural Characteristics:
- Reliability
 - Transparency
 - Performance

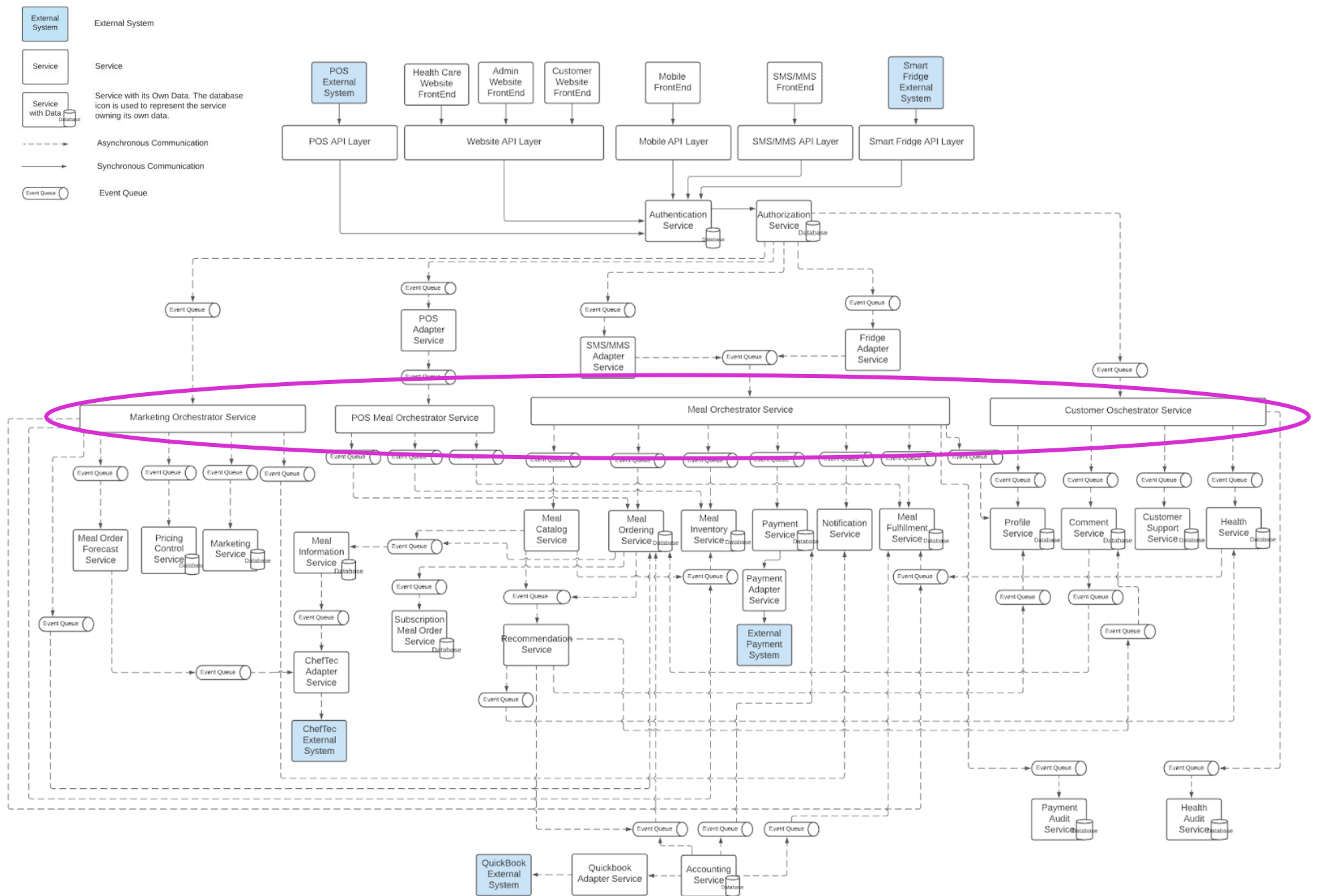


Figure 4: C&C Overall View

Decision 3: Use of Adapters

Architectural Characteristics: Customizability

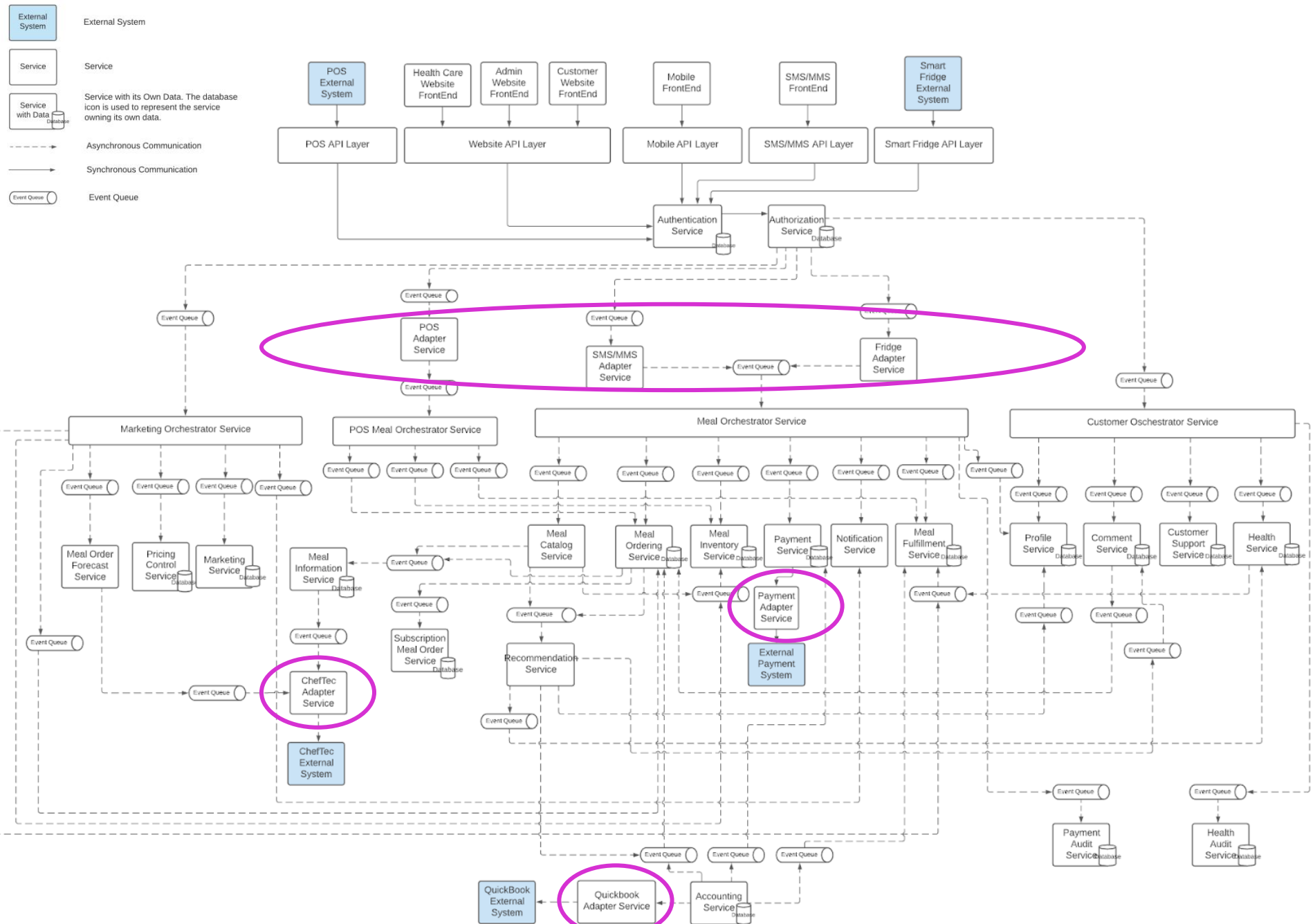


Figure 4: C&C Overall View

Decision 4: Use of Event Sourcing

- Architectural Characteristics:
- Transparency
 - Compliance
 - Data Security

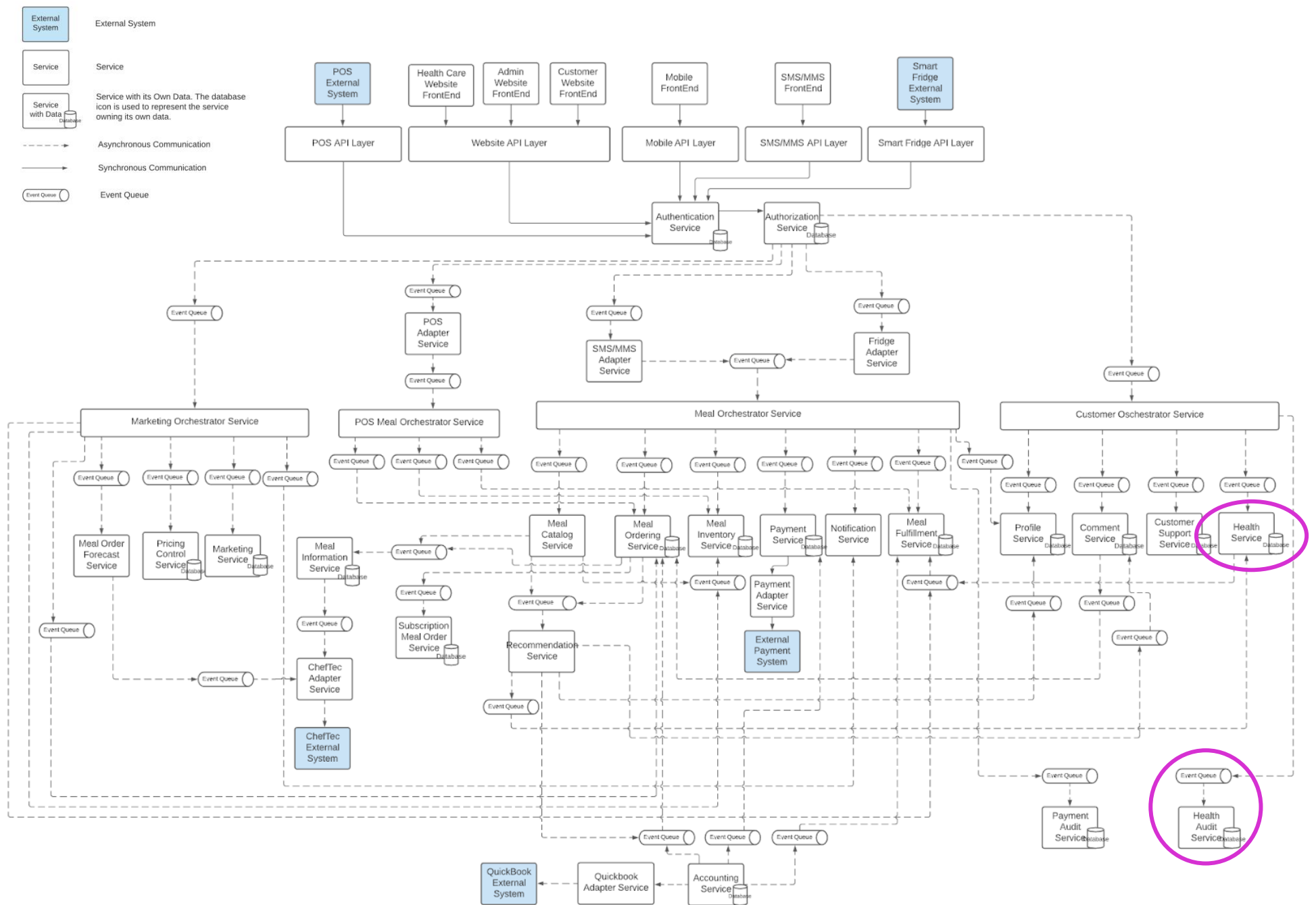


Figure 4: C&C Overall View



Thank you