# PNR Aggregator Service V1

## UML Architecture Diagram - Get Booking by PNR

**Client Layer**

HTTP Clients

WebSocket Clients

**API Layer**

Spring Boot REST API (8080)

Vert.x WebSocket API (8081)

**Application Layer**

BookingService
- Validates PNR
- Calls Verticles via EventBus
- Aggregates Trip + Tickets + Baggage

Vert.x EventBus Verticles
- TripVerticle
- BaggageVerticle
- ETicketVerticle

PnrEventVerticle
Publishes EventBus → WebSocket

**Integration Layer**

**Database Layer**

MongoDB
Trips, Tickets, Baggage