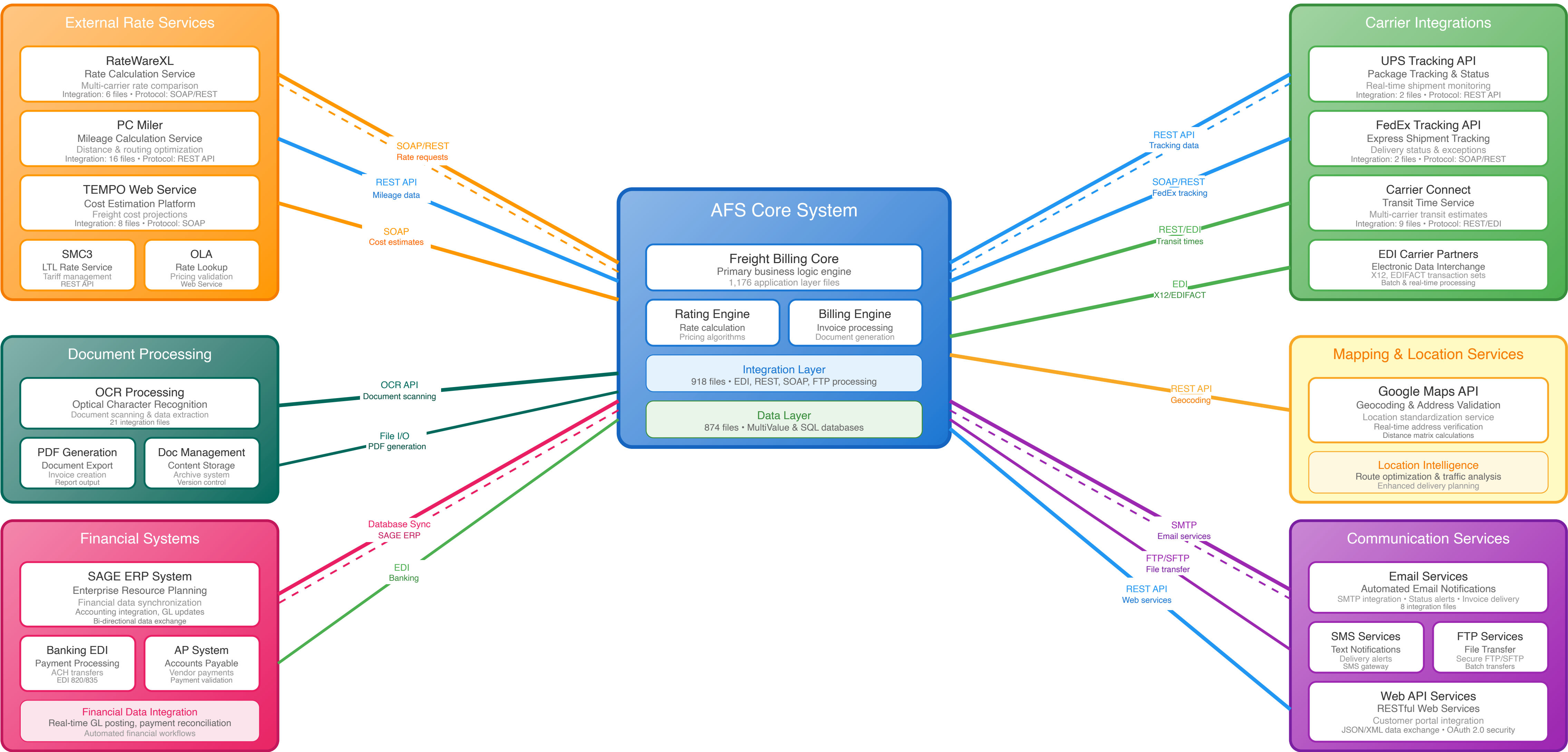


AFS Freight Billing & Logistics Management System

Integration Architecture

External System Connectivity & Data Exchange Patterns



Integration Architecture Statistics

Integration Layer Files:

- Total integration files: 918 (39% of codebase)
- External services: 122 files
- File processing: 243 files
- Data processing: 85 files

Transaction Volume:

- EDI transactions: 1000+ daily
- API calls: Real-time processing

External Systems:

- Rate services: 5 major providers
- Carrier integrations: 4 primary channels
- Financial systems: 3 core platforms
- Communication services: 4 channels

Data Formats:

- JSON, XML, EDI X12, EDIFACT
- CSV, PDF, proprietary formats

Integration Legend

Connection Types:

- REST API (Real-time)
- SOAP Service (Synchronous)
- EDI (Batch/Real-time)
- Database Sync (Bi-directional)
- File Transfer (FTP/Email)
- Document Processing

System Categories:

- Rate & Pricing Services
- Carrier & Logistics
- Financial Systems
- Communication Services
- Document Processing

Integration Patterns:

- Request/Response (Synchronous)
- Event-driven (Asynchronous)
- Batch Processing (Scheduled)
- Real-time Streaming
- Publish/Subscribe
- Bi-directional Sync
- Store and Forward