



Largest Life Insurance Company which contains the General Insurance Rating & Underwriting Engine and it has their functionalities available via web services for buying Travel, PA and Home insurance products. Core system's functionalities (for example, Policy SEA – Life Policy Admin System) are currently exposed via IBM Message Broker/MQ & are fully MQ based and NOT web service enabled at the moment.

### Problem Statement

- Partner's Integration Preference over other protocols & response format
- Subsystem not fully ready to be service enable - Old Legacy Architecture
- Response Payload from MQ IAA XML format is big. It contains lot of other data/tags which may not be required by Partners Apps.
- MQ is the only message exchange mechanism used for system integration internally.
- Lacking Consistency, Unified & Reusability of Services.

### HCL Solution

- Spring Boot based Micro Services & Spring-WS to SOA enable business functions
- AxWay Gateway for exposing core business to partner channels
- IIB for Integration & Message Broker Implementation
- Security is implemented through Azure Active Directory & OAUTH based SSO
- Usage of MEAN stack for dynamic rendering and service consumption through API Layer
- Infinispan to cater data requirement across the layers

### Business Value Delivered

- Legacy applications are SOA enabled and integration was made flexible
- Light weight integration over text protocols leveraging REST/JSON
- Existing Event Driven Architecture was transformed for flexible integration with partners
- Improved Consistency, Unified & Reusability of Services
- Solution is improved to accept massive scale loading due to partner channel integration

### Significant Benefits

- Marketable services for Life, General & Group Insurance Products
- Amendment & New Product onboarding was made flexible and quicker
- Fine control over the product consumption & enabled analytics on service Usage
- Travel Mobile APP & Point of Sale devices could connect and sell the products