Germany based Reinsurance Giant

Core Technology Update to increase **productivity** on Azure for Reinsurance underwriting Process

Business Objectives

- Digital Transformation & Automation across business process like Quote Processing, Schema Analysis File Processing, Calculation File Processing
- Create User Interface for Monitoring of long running Process/Jobs

Business Challenges

- Poor User experience and poor performance
- Lack of user interface to monitor long running Process/Jobs

IT Challenges

- Enhance the centralized and controlled deployment and rollout strategy and process in place and execute on this same faultlessly

HCLTech Solution

- ➢ Azure Process Monitoring Dashboard
- ➢ Enhanced Process Monitoring Dashboard to include reports for tracking long running process/Jobs
- ➢ Scenario wise Response time dashboard was added to monitor any performance bottleneck
- ➢ Added Business team approval into the production deployment workflow for production rollout
- ➢ Added mandatory unit testing for user interface and REST API for successful build for automated testing
- ➢ UI upgraded from Angular 10 to Angular 13
- ➢ APIs upgraded from .Net core 2.0 to 6.0
- ➢ Azure Functions for complex data processing
- ➢ Custom Antivirus Implementation using Microsoft Defender for Windows
- ➢ Vnet Integration and performance Improvement

Technology Spread

- Net Core, Angular
- AKS, Azure App Service, Azure Function, Azure Key Vault, APIM
- SQL Azure, Azure Blob Storage, Azure Cosmos DB, Azure Data Factory, Azure Front Door, Shared Dashboard
- Azure App Insights, Log Analytics
- R Script for business rule, NGRX for state management, Jasmine for Frontend testing

Additional Details

- Team structure: 3 Developers, 2 UI Developers, 1 Tester, 1 Azure Architect, 1 Scrum Master
- Project duration: 3 months starting OCT-2022, followed by Support
- Delivered in 6 sprints

Client Benefits

- Enhanced underwriter satisfaction and adoption through new and intuitive user interface
- More accurate per member unit rate for quotes
- Increased configurability of each tool per insurer
- Reduce Business Risk by reducing fraudulent policies
- Improved client confidence as they were part of the production deployment workflow for production rollout
- Additional details added to the Dashboard was helpful for business to self-monitor and report any production issues
- Cloud-native application design made the modernized applications scalable. This is based on the principles of Well-Architected Framework.