

# TQP Migration

## Overview

The TQP application has been in productive use since 2004. The expansion KAPMS has been productive since 2011. So far the TQP technology stack continues to run on Glassfish V2 and the backend is Oracle 11g. Since the support for the current versions of Glassfish and Oracle has ended, an upgrade to Glassfish V4 and Oracle 12c is required.

## Why Migration is needed?

- ✓ Support for Glassfish V2 has ended
- ✓ Support for Oracle 11 has ended
- ✓ Current stack is nearly 10 years old
- ✓ Delayed response time of the application
- ✓ To be compatible with latest front end technologies

## Advantages

- ✓ Improved response time of the application
- ✓ Improved Security w.r.t JAAF integration
- ✓ Deployment automation across the clients environments using DevOps tools & technologies



## Scope

- ✓ Glassfish V2 to Glassfish V4 (Payara)
- ✓ JCO V2 to JCO V3 (JCO V2 does not work with Glassfish V4 env.)
- ✓ Grops to JAAF (Grops does not work with Glassfish V4)
- ✓ JQuery 1.10 to JQuery 1.12.4 (to support 8D Export in Glassfish V4)
- ✓ EHL / Log4J logging to JAVA logging
- ✓ UTC Exception Handling to JAVA Exception Handling
- ✓ Ant to Maven (Build Automation)
- ✓ Staging structure upgrades w.r.t Glassfish V4 (Payara) across the client's environment
- ✓ Jenkins Integration for deployment automation across the client's environment
- ✓ Sonar Integration for code quality

