



Project reference

## INTEGRATION PLATFORM MODERNIZATION (IPF)

for Všeobecná zdravotní pojišťovna České republiky (VZP ČR), Public Health Insurance of Czech Republic



VŠEOBECNÁ  
ZDRAVOTNÍ POJIŠŤOVNA  
ČESKÉ REPUBLIKY

In the past, GEM and DXC have implemented a significant part of the corporate information system in VZP intended for the integration of other systems - the so-called Integration Platform (IPF). IPF is a central element of VZP's technical and application infrastructure.

It is a key element that ensures reliable data exchange and provision of SOA services between all components of the information system. The aim of the project was to solve the migration and modernization of integration platforms, including related processes and methodologies.

Another aspect of the project was the elaboration and hand-over of other related documentation, training and provision of support, ensuring the necessary functionality of IPF, which



is crucial for the business operation of VZP ČR and for the further development of IS VZP.

A significant part of the project, beyond the migration of IPF from Oracle SOA 11g to Oracle SOA 12c, was a comprehensive upgrade of the existing solution, including the implementation of new encryption, logging, monitoring, upgrade of B2B solutions and refactoring of integration key components.

In the case of the VZP ČR integration platform, homologation means explicit control of compliance with integration and implementation standards in order to enable the implementation of individual integrations to multiple suppliers, but also to provide IPF support through a single provider.

### IPF INTEGRATION PLATFORM MODERNIZATION AND MIGRATION PROJECT IN FIGURES:

- ✓ processing CZK 300 billion per year
- ✓ handled +1 million calls per day
- ✓ it is mostly asynchronous communication
- ✓ 7,000 clients regularly communicate from outside
- ✓ a total of +20 thousand clients is registered
- ✓ number of services +550
- ✓ the average migration implementation time per integration service is reduced to only 2 hours

#### PRIMARY USED SOLUTIONS AND TOOLS:

Oracle SOA Suite 12c, Oracle Service Bus, Oracle DB 19c, SoapUI, BPEL, SOAP/REST, Enterprise Architect, JAVA, Angular JS, DMS Spy

#### OTHER USED SOLUTIONS AND TOOLS:

Survio, JIRA – Agile, MS Azure DevOps



Integration and development



Business intelligence



Safety



Management and support