



Client Overview

- The client is a Middle Eastern government organization who uses latest technology to track and manage their services to the public.



Application Overview

- The client intended to migrate all their existing services and online functionalities to the Mendix platform. The plan was to leverage the Mendix 8.5 version, for which Indium provided the technical expertise to overcome the complexities of the migration process.



Business Challenges

- To replicate all the existing and new functionalities to the Mendix 8.1 platform
- Handle JSON files and file path of their active directory
- During the engagement, the requirement evolved to migrate from Mendix 8.1 to 8.5
- The applications involved the use of large volumes of semi-structured data in the form of PDF files, which required efficient management via the Mendix Application
- Implement the Mendix application on both Hybrid and web according to the requirement of the functionality



Our Solutions

- To efficiently handle the semi-structured data that will be mostly used by the client, Indium leveraged MongoDB to store the files, which was then integrated with the Mendix application
- Integrated PDFtron with Mendix to handle the PDF files
- Outlook and Calendars were integrated
- Biometric authentication feature was enabled and made available for Hybrid applications
- Developed the workflow engines to create multiple forms dynamically
- Chat features were configured in the Mendix application

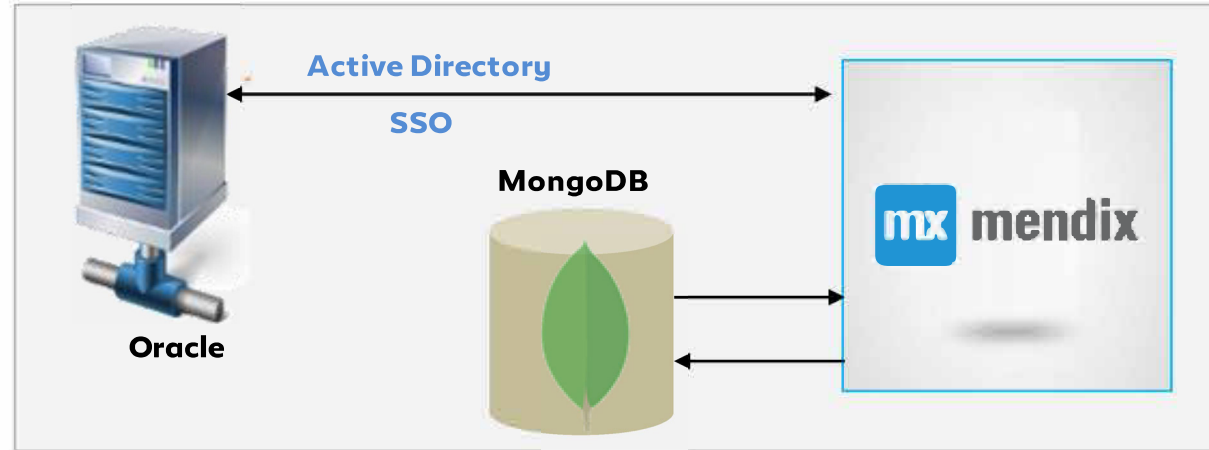


Technology

- Mendix 8.1, 8.5
- Oracle
- MongoDB



High Level Architecture



Business Impact

- **Efficiency:** The time taken to create a form using the newly develop workflow engine in Mendix reduced by 6X compared to the legacy application
- **Robust Application Development:** Mendix migration included all existing and some new features, which in turn reduced the application maintenance and enhancement effort and timelines by nearly 80%
- **Security:** Biometric authentication feature enhanced the security of the applications
- **Cross-platform:** Leveraging Mendix to rapidly develop both web and hybrid applications made it more efficient for all stakeholders to access data and information



INDIA

Chennai | Bengaluru | Mumbai
Toll-free: 1800-123-1191

USA

Cupertino | Princeton
Toll-free: +1-888-207-5969

UK

London

SINGAPORE

+65 9630 7959