MODULAR BUSINESS PLATFORM

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Unify user experience, deliver faster and cheaper

PROJECT OBJECTIVES

The business idea was to develop a common platform where our customer can consolidate its service portfolio, govern development of specific business features in different software products and rapidly expand digital offering.
The main project objectives were to design, implement and support a new solution covering the following requirements:

- Flexible and modular architecture enabling future platform growth and enhancements
- Open for development of features by different teams
- Open for integration with external systems
- Applications portable to cloud and on premise
- Catalog of applications for end users, a.k.a. application store concept
- Automated distribution of applications to end users
- Easy deployment on premise by non-technical users

CUSTOMER BENEFITS

This is a strategic solution for our customer. The most significant results are:

- Flexibility, scalability and openness of new solution. The modular architecture allows fast implementation of new requirements and functionalities, resulting in faster time-to-market. New modules are already being planned.

- Governance of key business features in digital offering. Apart from technical benefits, the platform is designed for collaboration on business level. The business features represented by loosely coupled modules are governed by respective business owners, which unifies information model and UI presentation to end users.

- Portability to end customer premises and in the cloud. Applications once built can be deployed in different environments, fulfilling the needs of enterprise customers with strict security policies.

- Reference architecture and future-proof platform. Latest concepts and technologies, such as micro-services, big data, IoT and advanced 3D visualization were used. The project set the standard for future project development.

ips
giving a face to IT ideas

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IPS EXPERTISE

IPS provided architectural work, technical consultancy, analysis, development, graphic design, operation and maintenance of the solution. Our skills utilization evolved primarily around enterprise and solution architecture, scalable cloud solutions, abstract technical models and design patterns.

TECHNOLOGIES USED

- .NET 4.6.1, .NET Standard 2.0, .NET Core
- Web widgets, HTML 5, Single Page Application (SPA) model
- SOA, WebAPI, Web Sockets
- SSO, WIF, ADFS, Azure AD B2C
- Visual Studio Code, Git, TFS, PowerShell
- Windows Azure: PaaS, SaaS
- WiX, Autoupdate, software delivery

Customer cloud

Customer premises

End-customer premises

Microsoft Partner

Gold Cloud Platform
Gold Data Analytics
Gold Application Development
Silver Collaboration and Content

Microsoft