OFFERING PRESENTATION P3

Workshop - Azure DevOps Foundation

P3

CLOUD NATIVE SOLUTIONS

WE THINK THAT MODERN SOFTWARE DEPARTMENTS SHOULD FOCUS ON

P3

Business innovation

- Application release life cycle
- Capability of the organization
- Innovative workshops and market analyses
- Collect and implement new ideas
- IT empowers the business

Microservices

- Architectural approach to deploy an application as a collection of modular, loosely cloupled services
- DevOps team can quickly make a change to one or more microservices

Containers

- Standard deployment format to abstract code from underlying infrastructure differences
- Deploy microservices easily and quickly

DevSecOps & Data

- Integrating security practices within the DevOps process
- Automated secure checks of deployed software increments
- Verify infrastructure security compliance

APIs

- Expose services as light-weight APIs for easier integration
- Selectively expose data and services to employees, partners, and customers by applying authentication, authorization, and usage limits.

Inner Source & Agility

- Shared code, artifacts and wikis
- Use of Office 365
- Communication via MS Teams and Azure DevOps

AZURE EXPERTISE

WE HAVE BEEN A MICROSOFT PARTNER FOR MANY YEARS AND IMPLEMENT VARIOUS PROJECTS IN AZURE IN THE CORPORATE ENVIROMENT.

P3

Code Analysis & Cloud Migration

We conduct code reviews for improvement potentials. Cloud Migration with app modernization approach (e.g. serverless).

Cloud Native Solutions

Examination of software for the applicability of Cloud Native Solutions. Creation of concepts and implementation recommendations.

DevOps & DevSecOps

Setup of CI/CD pipelines which allow security tests with each deployment. This guarantees a a high standard of cyber security and fast deployments.

Power Plattform & Dynamics

Design and implementation of PowerBI reports, development of PowerApps, implementation of Dynamics products.

Data Analytics & AI

Usage of cloud native cognitive services & ML. Development and implementation of AI models and analysis of data from different data sources.

Software Development & Integration

Development of custom software in Azure and integration in the existing infrastructure setups (SAP. E.g.)

Software Project Management

We accompany our clients throughout the whole development lifecycle and consult on the latest usable technology and best practices.

Agile Enablement

Usage and enablement of Azure DevOps. Implementation of projectss using agile project management methodoloies.

CHALLENGES WE SEE

WHILE USING AGILE PROJECT MANAGEMENT A LOT OF COMPANIES KNOW VERY LITTLE ABOUT THE METHODS AND THE PRACTICAL IMPLEMENTATION WITH CORRESPONDING TOOLS

- Many different solutions, methods and tools
- A lot of IT competence requirements for same results
- Unknown tools that can make your work and tasks easier
- Ineffective Business Continuity

- High costs
- Time consuming applications management

Azure DevOps

DevOps is becoming an important methodological framework for the development and operation of applications in the IT departments. More and more applications are being developed in **cloud environments** and as a result, entire organizational structures are changing in the direction of DevOps.

We teach:
+ Apply new mindset across different departments
+ Hands-on experience customized to costumer's knowledge level
+ Abilities to set up agile projects with DevOps

PERFORMANCE SPECIFICATION

1 Preparation

Evaluation of customer knowledge as a starting point

Creation of an individual agenda for the upcoming training

2 Basics of software development circle

Brief presentation of the methods for creating a software prototype

Explanation of the difference between waterfall and agile project development

Introduction to Scrum framework

3 Best Practices (use and implementation)

Tackle best practices and greatest failures

Discuss on strategies for your company

Close the workshop with a final summary and recommendation of next steps

P3 digital services GmbH

OUR APPROACH

1 ANALYSIS

- Analysis of Current Set Up
- Interviews and Workshops
- Evaluation of user's needs and expectations
- Identification of Gaps and Workarounds
- Collection of known Issues from customer's operational knowledge
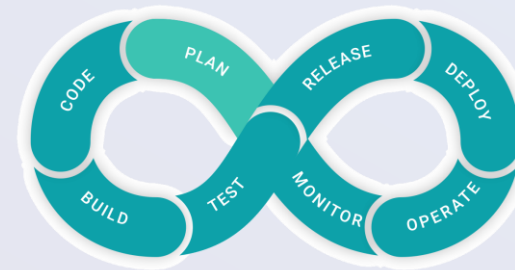- Investigation and Assessment of identified Issues

2 CONCEPT

- Proposal for Infrastructure and Software Architecture
- In-depth Analysis in cooperation with the stakeholders on Limitations, Budget, ...
- Review Governance and Security Requirements
- Clarifying the Goal of the Application Functionality
- Approved Concept for Implementation

3 IMPLEMENATION

- Set-up Azure DevOps
- Automatization of development activities
- Software Development
- Integration of all resources and methods

4 HANDOVER

- Delivering Documentation/Operational Manual and Trainings on application
- Maintenance (Azure DevOps)
- Rollout and Change Management Support
- Optional: Project Continuation Taking Over the Operation

Project Reference: PM Basics

SOFTWARE DEVELOPMENT WITH AZURE DEVOPS

Background

- Company commissioned P3 to develop a complete solution in the area of IoT
- Company had no experience with agile software development
- Four different locations with different teams should be transformed at once

Activities

- Supervision of all four teams, which was very important, because they had to work simultaneously
- Coordination of each process step
- Introducing to Scrum and software development
- Monitoring of current project status
- Reporting options
- Presentation of Best Cases

Results

- ✓ Transformation of waterfall to agile project management methods using Azure DevOps
- ✓ Profound understanding of agile software development solutions
- ✓ Required locations have been transformed and set up in four different locations
- ✓ Easy integration of new software increments

PROJECT SUMMARY

- 1,5 Years
- Germany
- 2 Project Managers & System Testers
- Consumer Goods Industry
- Code Analysis
- Performance Monitoring
- Agile Project Management
- Active Directory Connection
- Multi-platform solution

Project Reference: PM Advanced

PROJECT MANAGEMENT SIMULATION

Background

- The customer had a strong need for software and automation in the company.
- The goal was to improve business processes by
  - creating an internal innovation funnel
  - empowering internal sources to drive their ideas

Activities

- Introduction to Scrum and software development
- Transformation from waterfall to agile project management methods using Azure DevOps
- Increased potential of proof of concepts for business solutions within innovation funnel
- Introduction to development process with Azure DevOps

Results

- ✓ Start of a transformation phase
- ✓ First touch with software development projects with agile project management methods
- ✓ Management keeps the control reviewing the incremental deliveries
- ✓ Kickoff for more projects in various areas
- ✓ Efficient scalability
- ✓ Higher Reliability

PROJECT SUMMARY

🕐 3 Days   🌐 Germany

👤 Project managers and business representatives   🏭 Energy Industry

🔍 Code Analysis   📊 Performance Monitoring

⚙️ Agile Project Management   Active Directory Connection

Multi-platform solution

Joint value

WITH THE TECHNOLOGY STACK PROVIDED BY MICROSOFT, WE HELP OUR CUSTOMERS PAVE THE WAY INTO THE DIGITAL FUTURE, INTRODUCE AGILE PROJECT MANAGEMENT METHODS, AND BUILD THEIR CLOUD INFRASTRUCTURE WITH AZURE DEVOPS AS A ONE-STOP SHOP.

We have **16 DevOps Engineers**

We have **more than 50 consultants** with practical experience in Azure DevOps.

We have **more than 200 software developers**

We have carried out **300 software projects.**

We accompany our customers from the idea to the final solution, end-to-end, based on Microsoft technology.

We have been a **Microsoft Gold Partner** since April 2019 and continue to **expand our projects in Microsoft Azure.**

Through our **Managed Partnership** we work closely with the Microsoft teams.