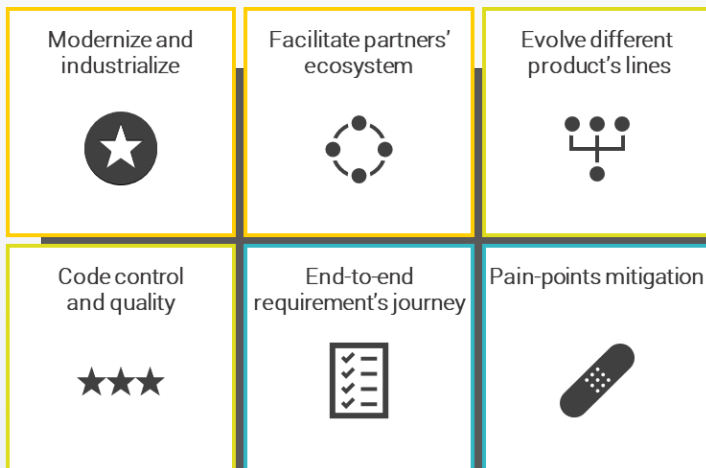


Transforming software delivery processes with Azure DevOps

360° processes redesign to leverage DevOps benefits and harmonize Azure resources:

An optimized delivery for a company implies that processes in different areas work in a coordinated and organized manner in the different areas: requirements management, development, infrastructure and testing. The first key part is to redefine the processes on the one hand based on the needs of the organization and on the other hand to get the most out of DevOps capabilities in order to optimize the software delivery.



Key elements for initiating the transformation to DevOps:

Bring your organization to smart ways of working ecosystem prepared for better collaboration and faster delivery to the market.

Enhance and optimize the enterprise software delivery path through DevOps

Improving the journey from a customer's requirement to the specific code-lines is a challenge for most organizations. With this process we will guide you through the processes redefinition to implement these processes needs towards the DevOps capabilities. At the end of the day, we are looking for a more stable, consistent and traceable delivery for your software solutions.

We will define and implement for your organization:

- Requirements management process using Azure Boards and Dashboards.
- Continuous integration and deployment using Azure Pipelines.
- Infrastructure setup (architecture / systems / modules) using a Visual Studio DevOps Extension to manage Azure resources.
- Testing implementation (Unit, Integration, Load and Acceptance tests) using Azure Test Plans.

Why transform the delivery process?

Improve requirements management

Managing requirements in a highly-traceable way with Azure Boards. Defining the needs for requirements management within the company, Azure Boards will implement the required behavior to facilitate the users capturing requirements and driving them along the implementation lifecycle. And even more, implementing custom work-items to accommodate the requirements for the software delivery process.

All together is called to increase the control level from capturing the requirement to the code-lines implementing that requirement and all quality control steps related to each requirement.

CI/CD to improve deployment

Standardizing and automating the deployment in the organization provide accuracy and control over the code that is deployed in different environments. This solution will incorporate to the organization the compilation and deployment automation capabilities. This is directly related to the code-healthy control and will allow multiple teams to collaborate within a development stream in a seamless and controlled environment. As well it will reduce risks across deployments to different environments, specially in Production.

Testing harmonization

Testing has traditionally been a complex issue in some organization. By this service we will identify how the different testing processes should look like in the organization and will be implemented using Azure Test Plans to facilitate the daily work of the Testing Teams and to ensure the Testing purposes for a development solution.

We will be targeting from the Business-focused testing (UAT) to technical testing (Unit tests, Integration, Load).

Enhanced Azure resources management

Establish and orchestrate the Azure resources usage in the organization according to the companies' policies in terms of security, usage, networking, etc. This service will customize for your organization an Azure Self-Service DevOps extension that will provide to your organization a powerful and useful set of custom tasks to manage your Azure resources. These custom tasks will serve your organization to deploy, configure, modify or even remove your Azure assets through intuitive and easy-to-use forms. (See next slide for more details).



360° software delivery transformation will increase the company's capacities to accommodate its processes to be implemented and orchestrated by powerful DevOps capabilities increasing consistency, control and reliability to software delivery.

Extra – DevOps Extension

This extension is highly recommended mainly for large organizations that need on the one hand to standardize and automate the creation of resources in Azure according to company policies (e.g., security, routing, etc.) and on the other hand to extend the ability to create resources to different workgroups within the company that must attend to this standardization at the same time.

