FUJITSU

IaC and Azure DevOps Adoption Accelerator
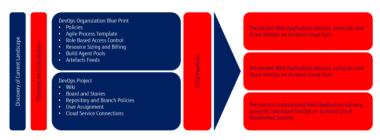## Fujitsu Accelerate - Advanced DevOps

Accelerate the technical delivery of business products and services, by adopting Azure DevOps and Infrastructure as Code using Fujitsu's experience and industry best practice Blueprints.

Summary

It will provide the building blocks needed to implement and enable the usage of Azure DevOps Services, providing a service to enable automation and coordination between teams, to produce better, more reliable products and services.

By adopting a DevOps culture along with DevOps practices and tools such as Infrastructure as Code (IaC) and Continuous Integration/Continuous Delivery (CI/CD), teams gain the ability to better respond to Customer needs, increase confidence in the products they build and achieve business value faster.

Fujitsu will help you understand how you can get the most vale out of these service, implement an Azure DevOps Service Blueprint and provide a working demo deployment of an application and its associated platform services using CI/CD and IaC.

What does DevOps mean for teams?

DevOps is a compound of development (Dev) and operations (Ops), the union of people, processes and technology to make organization's operations more agile and reactive to Customer needs.

A DevOps culture helps to break down silos between teams, such as development, operations, quality assurance, change management and security, by improving lean working practices that support better collaboration, Automation and sharing.

DevOps practices and tools help team's better respond to Customer needs, increase confidence in the products they build and achieve business goals faster.

Azure DevOps and Infrastructure as Code are modern tools and approaches that enable an organisation to drive digital transformation and innovate quickly, empowering businesses to challenge in a marketplace of cloud-native competition.

With the Advanced DevOps – IaC and Azure DevOps Accelerator service, Fujitsu helps organisation's to align their development and

operational practices to expedite time to market for new business products and increase profitability by improving efficiency, minimising risks, reducing the cost of operational overheads and software assets using the Azure DevOps Cloud Service.

Infrastructure as Code

Infrastructure as code is the process of managing and provisioning Cloud Platform services through standardised and repeatable, re-useable software artifacts.

The infrastructure managed by IaC comprises of networking, virtual machines, operating systems, databases, middleware, software library dependencies, applications, Platform as a Service and many other components.

Infrastructure as Code can also be used for the security, governance and controls that support the configured resources.

A component to well managed Infrastructure as Code, is a good version control system such as GIT and the ability to automate testing and deployment using Continuous Integration and Continuous Delivery pipelines and toolsets.

Fujitsu have a significant experience helping our Customer's to adopt, develop and implement the usage of Infrastructure as Code best practices, using tool such as:

- Azure Resource Manager Templates
- Azure PowerShell and Az Cli SDK's
- Terraform
- Ansible

What is Included

- Engagement kick-off workshop where Fujitsu get to know your organisation, identify stakeholders and align resources to support the engagement.
- Discovery workshops to understand your current usage of Azure Cloud Services, Agile and DevOps ways of working.
- Question and answer session to help your organisation in processes, tooling and approaches to delivering and managing platform and application services in using Infrastructure as Code and Azure DevOps.
- Creation of a new Azure DevOps Organization.
- Setup and Configuration of the Azure DevOps Organization using Fujitsu's service blueprint.
- Creation of an Azure DevOps Project based on an Agile delivery model
- Creation of a Wiki, Board and Source Code Repository
- Creation of the user stories for the delivery of the accelerator on the board
- Creation of the Continuous Integration and Continuous Delivery pipelines following a code-based approach
- Creation of the Infrastructure as Code, test scripts and deployment scripts
- Deployment of working application and platform infrastructure to Microsoft Azure (IAAS or PAAS)
- Final delivery presentation that showcases the accelerator findings, technical demo and future road map.

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