

Microsoft Azure Fundamentals
Training Bootcamp

DevOps in Azure Basics 101

Introduction to DevOps

- ❑ DevOps is a set of practices that combines software development (Dev) and information-technology operations (Ops) which aims to shorten the systems development life cycle and provide continuous delivery with high software quality (Wikipedia.org)
- ❑ DevOps is the union of people, process, and products to enable continuous delivery of value to our customers (Microsoft.com)
- ❑ With DevOps, you deploy code more frequently, reduce lead time, reduce change failure rate

How can Azure DevOps help ?

- ☐ Azure DevOps provides several tools you can use for better team collaboration
- ☐ Azure DevOps is a suite of services, that provide a solution to anyone who wants a tool to create a step-by-step production and continuous improvement chain
- ☐ What are the Azure tools that we can use in DevOps ?
- ☐ Let's briefly touch on the subject ...

Azure Tools for DevOps

- ❑ Azure Boards - These are agile tools that help us plan, track and discuss our work, even with other teams
- ❑ Azure Pipelines - These will let us build, test and deploy with CI/CD that works with any language, platform and cloud
- ❑ Azure Test Plans – These are manual and exploratory testing tools



Azure Boards



Azure Pipelines



Azure Test Plans

Azure Tools for DevOps

- ❑ Azure Repos - These provide unlimited, cloud-hosted private and public Git repos
- ❑ Azure Artifacts - These let us create, host and share packages



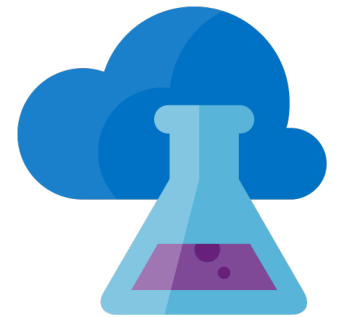
Azure Repos



Azure Artifacts

Azure DevTest Labs

- ❑ Azure DevTest Labs enables developers to efficiently self-manage virtual machines (VMs) and PaaS resources without waiting for approvals
- ❑ With Azure DevTest Labs developers become autonomous and can create labs consisting of pre-configured resources
- ❑ So, by using DevTest Labs, you can easily test the latest versions of your applications and speed up the process of creating and terminating the testing environments



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Thank you