

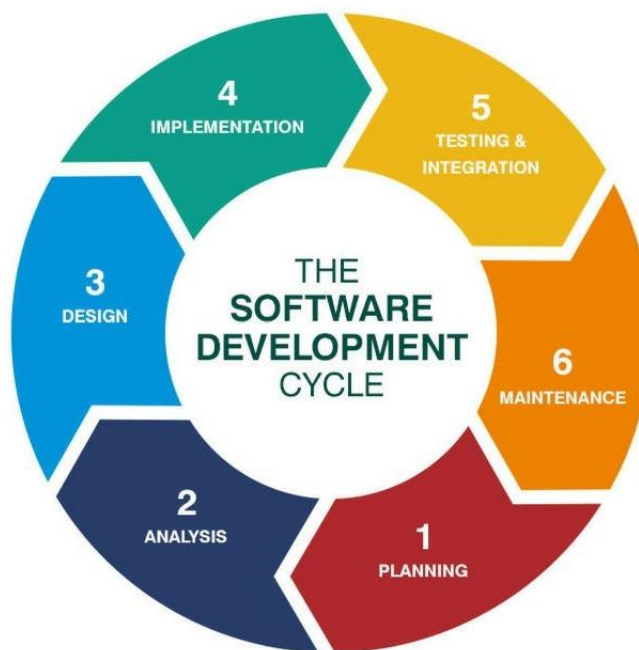
Azure DevOps

SDLC – Software Development Life Cycle

Software development life cycle

- ✓ Plan
- ✓ Code
- ✓ Build
- ✓ Test

- ✓ Deploy
- ✓ Operate
- ✓ Monitor



Software development life cycle

✓ Plan

✓ Code

✓ Deploy

✓ Build

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✓ Test

✓ Monitor

Business team or PO

Development Team

Operations Team

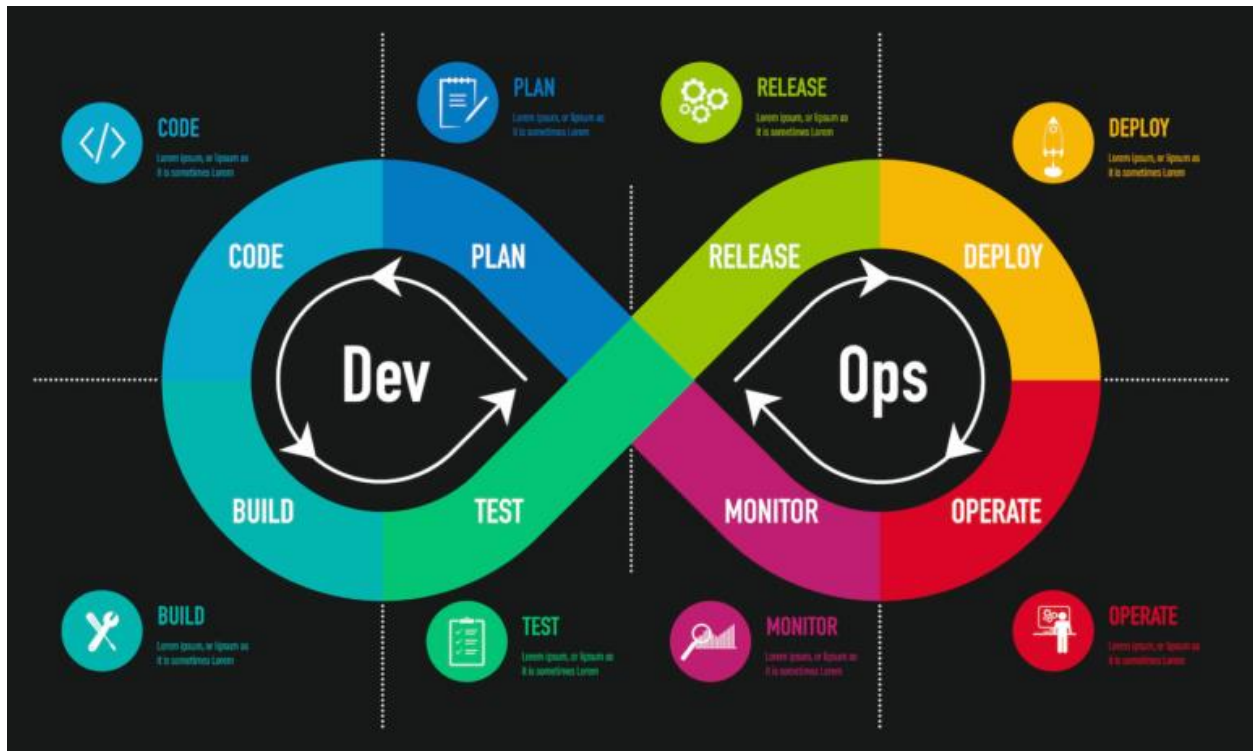
What Is DevOps?

DevOps

Development + Operations

DevOps





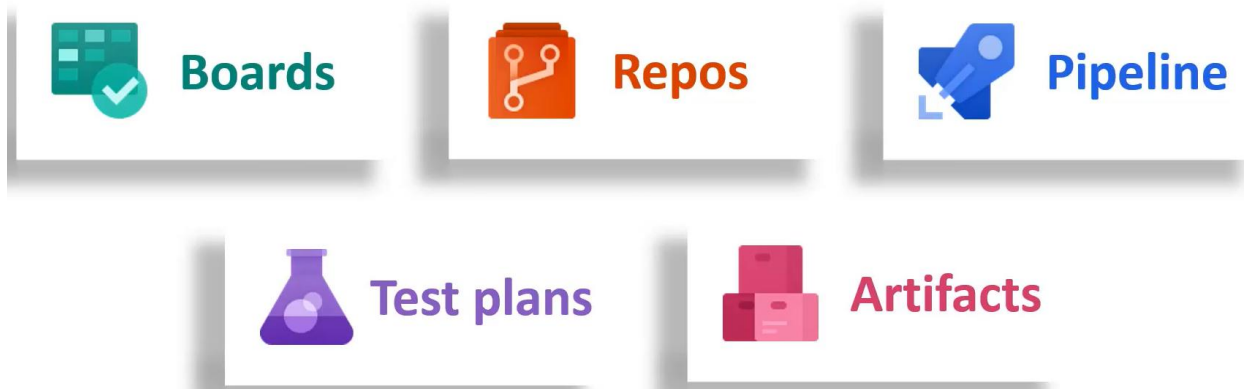
Benefits :-

Benefits of DevOps

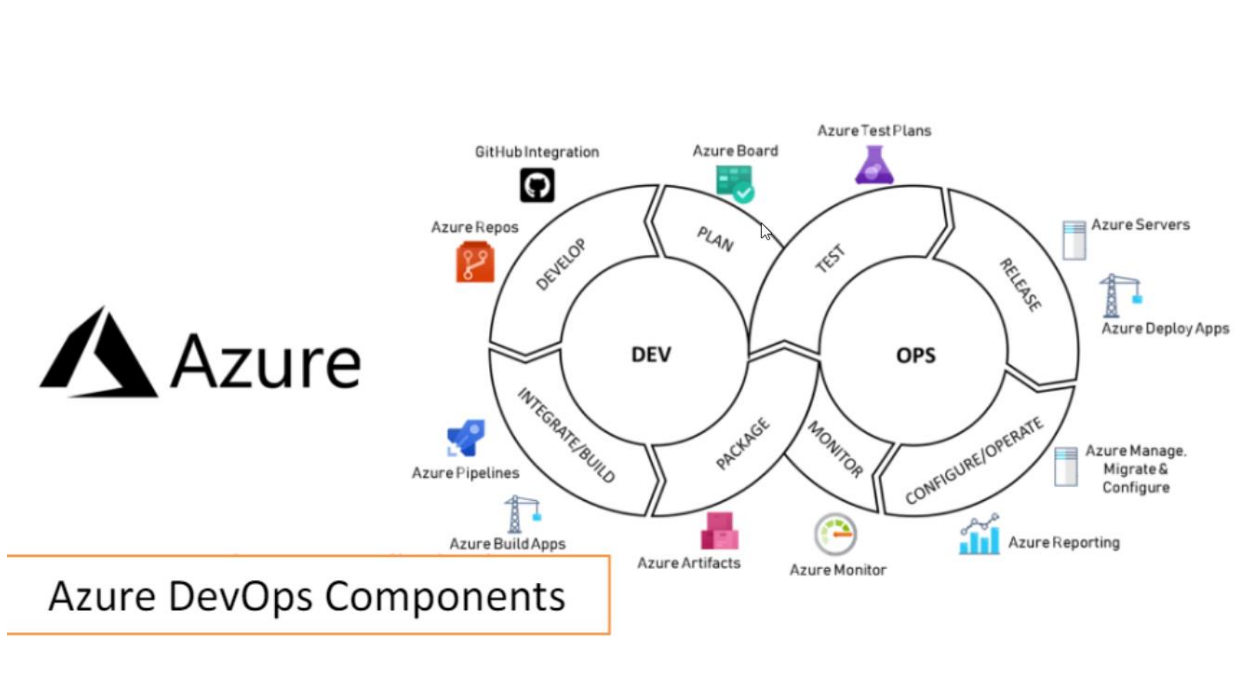
- ✓ **Fast delivery** – Deploying code from Dev machine to server is very fast
- ✓ **Reduce time** – Lots of things (Like testing, deployment , rollback) are happening automatically.
- ✓ **Rollback** – Any release which you think should not go to end customer (because of any reason), you can roll it back easily.
- ✓ **Quality** – With lots of automatic tools we can get check the quality of code before deploying it on server.
- ✓ **Collaboration** – All team works together to build a great product.

Azure DevOps Services :-

Azure DevOps Services



Azure DevOps Components :-



Azure Boards: This component helps teams plan, track, and manage work across the development lifecycle. It provides work item tracking, Kanban boards, backlog management, and customizable dashboards.

Azure Repos: Azure Repos provides version control services, including Git and Team Foundation Version Control (TFVC). It allows teams to store and manage their source code, collaborate on code changes, and track history.

Azure Pipelines: This is a powerful Continuous Integration and Continuous Deployment (CI/CD) platform. It allows you to automate building, testing, and deploying applications across multiple environments. Pipelines support integration with a variety of platforms and languages.

Azure Test Plans: This component helps teams manage and organize test cases, test plans, and test suites. It also supports manual and exploratory testing, as well as integration with automated testing frameworks.

Azure Artifacts: Azure Artifacts is a package management system that allows teams to create, publish, and consume packages such as npm, and Maven packages. It helps in managing dependencies and sharing code artifacts.

Thank You!!!!!!