

Day2 notes

DevOps is the union of **people**, **process**, and **products** to enable continuous delivery of value to your end users.

Azure DevOps supports a collaborative culture and set of processes that bring together developers, project managers, and contributors to develop software. It allows organizations to create and improve products at a faster pace than they can with traditional software development approaches.

- Simplify cloud environment management for developers and testers
- Orchestrate with azure pipelines or integrate using rest apis

Feature of Azure devops:

An end-to-end solution for organizations looking for an enterprise-grade toolch

- Fully Integrated with end to end traceability
- Scalable to any team and project size
- Highly available, multi region, hybridcloud & on-prem
- Customer Support
- Consistent admin and accesscontrol

Continuous integration

- Improve software development quality and speed.
- When you use Azure Pipelines or Jenkins to build apps in the cloud and deploy to Azure, each time you commit code, it's automatically built and tested and bugs are detected faster.

Continuous Deployment (CD)

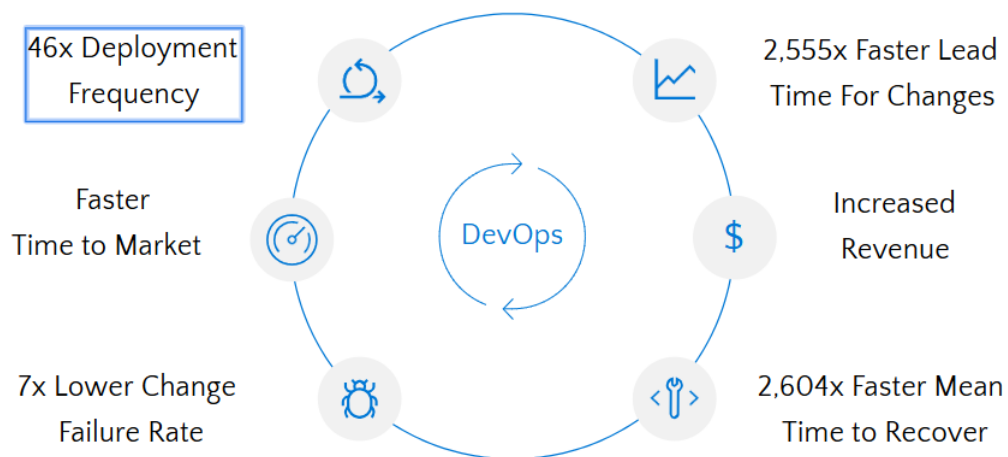
- By combining continuous integration and infrastructure as code (IaC), you'll achieve identical deployments and the confidence to deploy to production at any time.

- With continuous deployment, you can automate the entire process from code commit to production if your CI/CD tests are successful.

Continuous Learning & Monitoring

- With Azure Application Insights you can identify how your applications are performing and test if the recent deployment made things better or worse.
- Using CI/CD practices, paired with monitoring tools, you'll be able to safely deliver features to your customers as soon as they're ready.

High Performance DevOps Companies Achieve...



Build & release:

Azure Pipelines Continuous integration and continuous delivery (CI/CD) that works with any language, platform, and cloud.

Code:

Azure Repos Unlimited cloud-hosted private Git and Team Foundation Version Control (TFVC) repositories for your project.

Work:

Azure Boards Work tracking with Kanban boards, backlogs, team dashboards, and custom reporting.