Azure DevOps

→ In Azure Devops, we have mainly 5 components. i.e., Azure Boards, Azure Repos, Azure Pipelines, Azure test plans, Azure Artifacts. But we will only discuss the first 3 components.

Azure Boards:-

→ Tracks work with Kanban boards, backlogs, team dashboards and custom reporting.

→ Track all your ideas at every development stage and keep your team aligned with all code changes linked directly to work items

→ Use built-in scrum boards and planning tools to help your teams run sprints, stand-ups and planning meetings.

→ Gain new insights into the health and status of your project with powerful analytics tools and dashboard widgets.

Azure Repos:-

→ Unlimited private Git repo hosting and support for TFVC that scales from a hobby projects to the world's largest Git repositories.
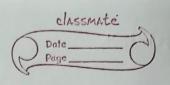
→ Securely connect with and push code into your Git repos from any IDE, editor or Git cilent.

→ Add validations and extensions from the marketplace or build your own using web hooks and REST API's.

→ Quickly find what your're looking for with code-aware search that understands classes and variables.

Azure Pipelines:-

→ Cloud-hosted pipelines for linux, Windows and macOS, with unlimited minutes for open source.

→ Build, test and deploy Node.js, Python, Java, PHP, Ruby, C/C++, .NET, Android and IOS apps. Run in parallel on linux, macOS and windows, Deploy to Azure, Aws, GCP or on-premises.

→ Explore and implement a wide range of community-built, test, and deployment tasks, along with hundreds of extensions from slack to sonar cloud. Supports for YAML, reporting and more.

→ Easy build and push images to container registries like Docker Hub and Azure Container registery. Deploy containers to individual hosts or Kubernetes.

→ Ensure fast continous integration / Continous delivery (CI/CO) pipelines for every open source project. Get unlimited build minutes for all open source projects with up to 10 free parallel jobs across Linux, mac Os and windows,

CODE   COMMIT   CI PIPELINE (BUILD, UNITTEST, INTEGRATION TEST)   CD PIPELINE (REVIEW, STAGING, PRODUCTION)   RELATED CODE