

Git Different tools and repo Comparison

There are several Git repository tools available that help developers manage, collaborate, and automate various aspects of version control. Here are some popular ones:

1. GitHub

- GitHub is a repository hosting service tool.
- It is a platform for programmers to fix bugs together and host open-source projects.
- It allows third-party API integrations for bug tracking and cloud hosting.
- GitHub does not provide user to see project development charts.
- GitHub allows users to have free private repository but with maximum of three collaborators.

2. GitLab

- GitLab is a repository hosting manager tool.
- It is used for development process.
- Easy Maintaining of a repository on a server.
- User Permission and Branch protection are enhanced.
- Built-in CI/CD

3. Bitbucket

- It is specially built for expert teams and professionals.
- History view with branch comparison.
- Bitbucket allows users to have free private repository but with maximum of five collaborators.
- It supports Mercurial and Git.
- Pipelines for automated builds and deployments

4. Azure Repos

- It is Part of Microsoft's Azure DevOps Services, offering Git repository hosting.
- Branch policies and pull requests.
- Integration with Azure Pipelines for CI/CD.
- Secure access control and permissions.
- Teams using Azure DevOps or working within the Microsoft ecosystem.

5. AWS Code Commit

- A fully managed Git repository service from Amazon Web Services.
- Integration with AWS developer tools
- Scalable and secure
- Granular access control using AWS IAM
- Teams heavily using AWS for infrastructure.