AWS CodeStar

Introduction

- AWS CodeStar enables you to quickly develop, build, and deploy applications on AWS.
- AWS CodeStar provides a unified user interface, enabling you to easily manage your software development activities in one place.
- With AWS CodeStar, you can set up your entire continuous delivery toolchain in minutes, allowing you to start releasing code faster.
- AWS CodeStar makes it easy for your whole team to work together securely, allowing you to easily manage access and add owners, contributors, and viewers to your projects.

AWS CodeStar - Features

- **Team access management**: AWS CodeStar uses AWS Identity and Access Management(IAM) to manage developer identities and provides built-in, role-based security policies that allow you to easily secure access to your team.
- **Hosted Git repository:** AWS CodeStar stores your application code securely on AWS CodeCommit, a fully-managed source control service that eliminates the need to manage your own infrastructure to host Git repositories. You can also choose to have your project source code stored in a GitHub repository in your own GitHub account.
- **Fully managed build service:** AWS CodeStar compiles and packages your source code with AWS CodeBuild, a fully-managed build service that makes it possible for you to build, test, and integrate code more frequently.

AWS CodeStar - Features

- **Automated continuous delivery pipeline:** AWS CodeStar accelerates software release with the help of AWS CodePipeline, a continuous integration and continuous delivery (CI/CD) service. Each project comes pre-configured with an automated pipeline that continuously builds, tests, and deploys your code with each commit.
- **Automated deployments:** AWS CodeStar integrates with AWS CodeDeploy and AWS CloudFormation so that you can easily update your application code and deploy to Amazon EC2 and AWS Lambda.

AWS CodeStar - Central project dashboard

- AWS CodeStar projects include a unified dashboard, so you can easily track and manage your end-to-end development toolchain.
- With the project dashboard, you can centrally manage activity for your CI/CD pipeline, such as code commits, builds, tests, and deployments and take remedial action where needed.
- AWS CodeStar also integrates with Amazon CloudWatch, an application monitoring service, and Atlassian JIRA Software, a third-party issue tracking and project management tool.
- These integrations allow you to centrally monitor application activity and manage JIRA issues in the AWS CodeStar dashboard.

AWS CodeStar - Pricing

- There is no additional charge for AWS CodeStar.
- You only pay for AWS resources (e.g. Amazon EC2 instances, AWS Lambda executions, Amazon Elastic Block Store volumes, or Amazon S3 buckets) that you provision in your CodeStar projects.
- You only pay for what you use, as you use it; there are no minimum fees and no upfront commitments.