

## Service Summary Cards (SSC)

### Reference:

[FAQs](#)

### Category:

Developer  
Tools



Amazon CodeGuru

#### What?

- Amazon CodeGuru is a developer tool that provides intelligent recommendations to improve code quality and identify an application's most expensive lines of code.
- Amazon CodeGuru has two components- Amazon CodeGuru Reviewer and Amazon CodeGuru Profiler.

#### Why?

- Amazon CodeGuru automates code reviews and optimizes application performance with ML-powered recommendations.
- It helps you catch code problems before they hit production, fix security vulnerabilities, get visualizations and recommendations on how to fix performance issues in your application code.

#### When?

- Use Amazon CodeGuru Reviewer to find issues in your Java and Python code and get recommendations to improve your code by using machine learning and automated reasoning. Use CodeGuru Profiler to understand the runtime behavior, identify and remove code inefficiencies, improve performance of your applications.

#### Where?

- Amazon CodeGuru is a regional service. Amazon CodeGuru Reviewer currently supports Java and Python code stored in GitHub, GitHub Enterprise, Bitbucket and AWS CodeCommit. Amazon CodeGuru Profiler works with Java, other JVM languages, Python applications hosted on EC2, EKS, ECS, Fargate, Lambda, or on-premises.

#### Who?

- Amazon CodeGuru is a managed service. Amazon CodeGuru Reviewer needs read-only access to your code for the purpose of generating recommendations. The CodeGuru Profiler service is integrated with IAM to allow for fine grained permissions control for CodeGuru Profiler resources.

#### How?

- CodeGuru Reviewer evaluates your code against best practices observed in popular open source code repositories and Amazon's own code base. Amazon CodeGuru Profiler consists of three parts: an agent (collects data); the profiler service (aggregates the collected data), and intelligent recommendations (visualize).

#### How much?

- For Amazon CodeGuru Reviewer, you pay a monthly fixed rate. The monthly price is determined by the lines of code across all of your onboarded repositories. Additional full repository scans are charged extra.
- Amazon CodeGuru Profiler charges are priced based on the number of sampling hours CodeGuru Profiler performs.

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