Service Summary Cards (SSC)

Amazon CodeWhisperer

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What?

- CodeWhisperer is an machine learning (ML) powered service that generates real-time, single-line or full-function code suggestions in your Integrated Development Environment (IDE) to help you quickly build software. You can write a comment in natural language that outlines a specific task in English, such as "Upload a file with server-side encryption." Based on this information, CodeWhisperer recommends code snippets directly in the IDE.

Why?

- CodeWhisperer helps accelerate software development by providing code suggestions that reduce total development effort and allow more time for ideation, complex problem solving, and writing differentiated code.
- It is trained on billions of lines of code and can generate code suggestions ranging from snippets to full functions in real time based on your comments and existing code.

When?

- You want to bypass time-consuming coding tasks and accelerate building with unfamiliar APIs.
- You want to improve application security by helping detect and remediate security vulnerabilities.

Where?

- CodeWhisperer is AWS Region agnostic and available to developers worldwide.
- CodeWhisperer comes built in with AWS Cloud9 and the AWS Lambda console.
- CodeWhisperer is currently hosted in the US East (N. Virginia) Region. If you have IAM Identity Center in other regions, as a CodeWhisperer Professional administrator you can configure CodeWhisperer as an authorized cross-region application.

Who?

- You are responsible for the code that you write, including the CodeWhisperer suggestions that you accept. Always review the code suggestions before accepting them.
- You can Install the latest AWS Toolkit plugin in your IDE. Supported IDEs include Visual Studio (VS) Code and JetBrains IDEs (IntelliJ, PyCharm, CLion, GoLand, WebStorm, Rider, PhpStorm, RubyMine, and DataGrip).

How?

- As you are writing code, CodeWhisperer analyzes the English language comments and surrounding code to infer what code is needed to complete the task at hand. Then it suggests code snippets in the code editor based on a large language models (LLMs) trained on billions of lines of code, including Amazon and open-source code. You can accept the top suggestion, view more suggestions, or continue writing your own code.

How much?

- CodeWhisperer Individual is free to use by creating and signing in with an AWS Builder ID.
- CodeWhisperer Professional is $19 per user, per month and provides administrators the ability to enable CodeWhisperer for their organization with single sign-on (SSO) authentication.