



MongoDB and AWS Collaborate to Optimize Amazon CodeWhisperer Suggestions for Developers Building Applications on MongoDB

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Amazon CodeWhisperer now enables developers to accelerate application development and modernization on MongoDB using an AI-powered coding companion

Cascadeo, gravity9, and Redapt among customers and partners excited to use Amazon CodeWhisperer with MongoDB

NEW YORK, Nov. 6, 2023 /PRNewswire/ -- MongoDB, Inc. (NASDAQ: MDB) and Amazon Web Services, Inc. (AWS), an [Amazon.com](https://www.amazon.com) (NASDAQ: AMZN) company, today announced the two companies are collaborating to optimize Amazon CodeWhisperer to provide enhanced suggestions for application development and modernization on MongoDB's industry-leading developer data platform that millions of developers and tens of thousands of customers rely on every day for business-critical applications. Trained on billions of lines of Amazon and publicly available code, Amazon CodeWhisperer is an AI-powered coding companion from AWS that generates code suggestions based on natural-language comments or existing code in developers' integrated development environments (IDEs). Working together with AWS, MongoDB provided curated training data for MongoDB use cases and took part in the evaluation of Amazon CodeWhisperer outputs throughout the training process to promote high-quality code suggestions. While Amazon CodeWhisperer already provided support for building applications on MongoDB, developers can now get enhanced suggestions that reflect best practices, allowing developers to ideate more quickly, rapidly prototype new features, and accelerate application development.



"Generative AI has the potential to not only revolutionize how end-users interact with modern applications but also how developers build those applications," said Andrew Davidson, SVP of Product at MongoDB. "Collaborating with AWS to train Amazon CodeWhisperer on MongoDB is a step in that direction, and developers can now build more quickly and focus on higher-value tasks. With built-in security scanning and the ability to provide source and licensing information when suggestions resemble publicly available open source training data, Amazon CodeWhisperer now provides developers building on MongoDB a unique experience that will get even better over time."

"More and more developers are realizing the potential of generative AI-powered coding companions to transform how work gets done, giving them more time to focus on solving hard problems," said Deepak Singh, VP of Next Gen Developer Experience at AWS. "Amazon CodeWhisperer already provides an optimized experience when working on common coding tasks and with AWS APIs. By collaborating with MongoDB, we are extending those capabilities to millions of MongoDB developers. We are excited to put Amazon CodeWhisperer in the hands of even more developers to help them tap into the transformative potential of generative AI."

As organizations today accelerate deployment of cloud-native applications, developers want to find ways to reduce repetitive tasks so they can focus on building new applications and shipping new features. [IDC](https://www.idc.com) estimates that 750 million cloud-native applications will be built in the next two years, and that number will likely increase as enterprises and startups alike take advantage of generative AI for both building applications and reinventing end-user application experiences. Developers want to integrate generative AI-powered coding assistants into their day-to-day workflow to help them increase their productivity and focus on harder problems. However, these assistants are often trained on publicly available datasets or a company's own internal data, and some tools developers build with may not have high-quality, publicly available code samples included as part of a coding assistant's training data. As a result, these coding assistants can provide some support for these tools, but the recommendations may not conform to best practices. While developers have realized the potential benefit for AI-powered coding companions across many tasks, they want these solutions to be further optimized for the tools they use today so they can unlock the full potential of generative AI across their day-to-day work.

Through this new collaboration to train and evaluate Amazon CodeWhisperer on code and libraries specific to MongoDB, developers can get enhanced suggestions for MongoDB to help them more quickly build and modernize their applications. AWS and MongoDB worked together to train Amazon CodeWhisperer on highly curated content and code from MongoDB documentation, detailed use cases, and common tasks with best practices that developers encounter when working with data on MongoDB. As a result, Amazon CodeWhisperer can help developers more quickly write high-quality code when building data aggregations, performing database operations, and accelerating migration of applications to MongoDB for modernization. These optimizations are available for five of the most common programming languages used to build with MongoDB, including C#, Go, Java, JavaScript, and Python, while also allowing developers to take advantage of core Amazon CodeWhisperer features, including built-in security scanning and a reference tracker that provides information about the origin of a code suggestion when it resembles open source training data. Amazon CodeWhisperer is free for individual developers with no qualifications or time limits for generating code, so the entire MongoDB community can start taking advantage of Amazon CodeWhisperer's enhanced suggestions. To get started, developers simply install the Amazon CodeWhisperer extension for their preferred IDE, provide an AWS Builder ID, and begin using the service for code completion and generation. Amazon CodeWhisperer now helps reduce the amount of time developers spend creating code for building data-driven applications on MongoDB and will continue to be trained to improve and refine code suggestions.

To get started building applications on MongoDB with Amazon CodeWhisperer, visit mongodb.com/products/integrations/amazon-codewhisperer.

Cascadeo is a managed services and professional services company devoted to fostering customer innovation with a philosophy rooted in ethical engineering practices. "With hundreds of customer cloud deployments under management, we use AWS AI services, such as Amazon CodeWhisperer, Amazon SageMaker, and Amazon Bedrock, to help make us better at consistent operations, faster at responding to customer needs, and radically reduce both the cost of engineering and operations for our company and clients," said Jared Reminer, Chief Technology Officer at Cascadeo. "Our developers choose CodeWhisperer for its optimized experience when working with AWS APIs, boosting their productivity and improving code quality when building on AWS. Through this collaboration to train and evaluate CodeWhisperer on curated MongoDB data, our developers can now get intelligent recommendations across both AWS and MongoDB Atlas, streamlining how applications get built and giving developers more time to focus on solving hard problems for clients."

gravity9 combines highly skilled individuals with deep engineering knowledge together with customer strategy and design expertise to achieve great results for clients in short timescales. "Developers have always wanted to have the best tools available to them to build and ship high-quality applications with speed, and businesses that offer these tools to development teams have a competitive advantage," said Eric Allen, Partner at gravity9. "With AI-powered coding assistants becoming increasingly adopted, Amazon CodeWhisperer trained on MongoDB has unique advantages. Developers not only get automatic code suggestions, code that may resemble publicly available open source training data is flagged to help developers avoid compliance issues. But most importantly, developers can now use Amazon CodeWhisperer to build on MongoDB's leading developer data platform with MongoDB Atlas to ship next-generation applications at greater speed."

Redapt is an end-to-end technology solutions provider that brings clarity to a dynamic technical environment. "Developers want to focus on building great applications, but there is a lot of undifferentiated heavy lifting throughout the development process that does not bring value to our clients and distracts from meaningful work," said Rizwan Patel, Field CTO at Redapt. "Amazon CodeWhisperer has been a game changer for us, removing that heavy lifting, improving code quality, and accelerating development velocity. We're thrilled to see MongoDB collaborate with AWS by providing highly curated data to train and evaluate CodeWhisperer, because it will open up new possibilities when building solutions with MongoDB Atlas."

About MongoDB and AWS Alliance

MongoDB and AWS have had a strong relationship since 2016 after the launch of MongoDB Atlas—MongoDB's leading developer data platform for building and deploying modern applications at scale. Tens of thousands of customers run production workloads with MongoDB Atlas on AWS, including Capital One, Epic Games, Siemens, Verizon, Goldman Sachs, and Intuit. In 2017, MongoDB Atlas became available on the AWS Marketplace, making it easier for joint customers to buy and consume MongoDB Atlas on AWS, with a pay-as-you-go offering launched in 2022. MongoDB has been awarded numerous AWS Partner Network awards over the course of the partnership for its commitment to working with customers globally to modernize applications with MongoDB Atlas on AWS. To learn more, visit aws.amazon.com/partners/mongodb.

About MongoDB

Headquartered in New York, MongoDB's mission is to empower innovators to create, transform, and disrupt industries by unleashing the power of software and data. Built by developers, for developers, MongoDB's developer data platform is a database with an integrated set of related services that allow development teams to address the growing requirements for today's wide variety of modern applications, all in a unified and consistent user experience. MongoDB has tens of thousands of customers in over 100 countries. The MongoDB database platform has been downloaded hundreds of millions of times since 2007, and there have been millions of builders trained through MongoDB University courses. To learn more, visit mongodb.com.

Forward-looking Statements

This press release includes certain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended, including statements concerning enhancements of MongoDB's technology and offerings. These forward-looking statements include, but are not limited to, plans, objectives, expectations and intentions and other statements contained in this press release that are not historical facts and statements identified by words such as "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "plan," "project," "will," "would" or the negative or plural of these words or similar expressions or variations. These forward-looking statements reflect our current views about our plans, intentions, expectations, strategies and prospects, which are based on the information currently available to us and on assumptions we have made. Although we believe that our plans, intentions, expectations, strategies and prospects as reflected in or suggested by those forward-looking statements are reasonable, we can give no assurance that the plans, intentions, expectations or strategies will be attained or achieved. Furthermore, actual results may differ materially from those described in the forward-looking statements and are subject to a variety of assumptions, uncertainties, risks and factors that are beyond our control including, without limitation: the impact the COVID-19 pandemic may have on our business and on our customers and our potential customers; the effects of the ongoing military conflict between Russia and Ukraine on our business and future operating results; economic downturns and/or the effects of rising interest rates, inflation and volatility in the global economy and financial markets on our business and future operating results; our potential failure to meet publicly announced guidance or other expectations about our business and future operating results; our limited operating history; our history of losses; failure of our platform to satisfy customer demands; the effects of increased competition; our investments in new products and our ability to introduce new features, services or enhancements; our ability to effectively expand our sales and marketing organization; our ability to continue to build and maintain credibility with the developer community; our ability to add new customers or increase sales to our existing customers; our ability to maintain, protect, enforce and enhance our intellectual property; the growth and expansion of the market for database products and our ability to penetrate that market; our ability to integrate acquired businesses and technologies successfully or achieve the expected benefits of such acquisitions; our ability to maintain the security of our software and adequately address privacy concerns; our ability to manage our growth effectively and successfully recruit and retain additional highly-qualified personnel; and the price volatility of our common stock. These and other risks and uncertainties are more fully described in our filings with the Securities and Exchange Commission ("SEC"), including under the caption "Risk Factors" in our Quarterly Report on Form 10-Q for the quarter ended July 31, 2023, filed with the SEC on September 1, 2023 and other filings and reports that we may file from time to time with the SEC. Except as required by law, we undertake no duty or obligation to update any forward-looking statements contained in this release as a result of new information, future events, changes in expectations or otherwise.

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