

SteveSchmidt

Steve Schmidt

Chief Security Officer, Amazon

Move fast, stay secure: Strategies for the future of security

The security landscape is evolving as organizations adapt and embrace new technologies. In this talk, discover the AWS vision for security that drives business agility. Hear directly from security leaders as they share their insights on key topics like Zero Trust, builder security experience, and generative AI. Learn how AWS approaches these areas internally and understand how to apply those lessons to help you meet your security goals.

Steve Schmidt leads the information security, physical security, security engineering, and regulatory program teams for Amazon. Prior to his current role—from 2010 to 2022—he held the role of Chief Information Security Officer (CISO) at AWS. Before his 2008 arrival at Amazon, Steve had an extensive career at the Federal Bureau of Investigation (FBI), where he served as a senior executive. His responsibilities at the FBI included a term as acting Chief Technology Officer (CTO) and as a section chief, overseeing the organization's teams responsible for forensic investigations of computer and network intrusions.

Security on the public cloud is hard

IAM Access Analyzer, VPC Reachability and Network Reachability are mathematical PROOFS.

Amazon Guard Duty ML Powered features.

NEW FEATURE

Amazon Inspector

Code remediation for AWS Lambda functions

Create in-context code
patches for multiples classes
of vulnerabilities to
address issues

Reduce the time to solve
code security issues

HOW TO ADDRESS THE ISSUE. GENERATIVE AI CAN HELP



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In-context patches, like Github had a couple of years ago.

"Sanitize your inputs" - here we did that for you, merge this.

Github security updates had this a while ago.

NEW FEATURE

Amazon Detective

Finding group summaries

Automatically generate a
narrative of the issue

Bring broader perspective
and security knowledge
to findings



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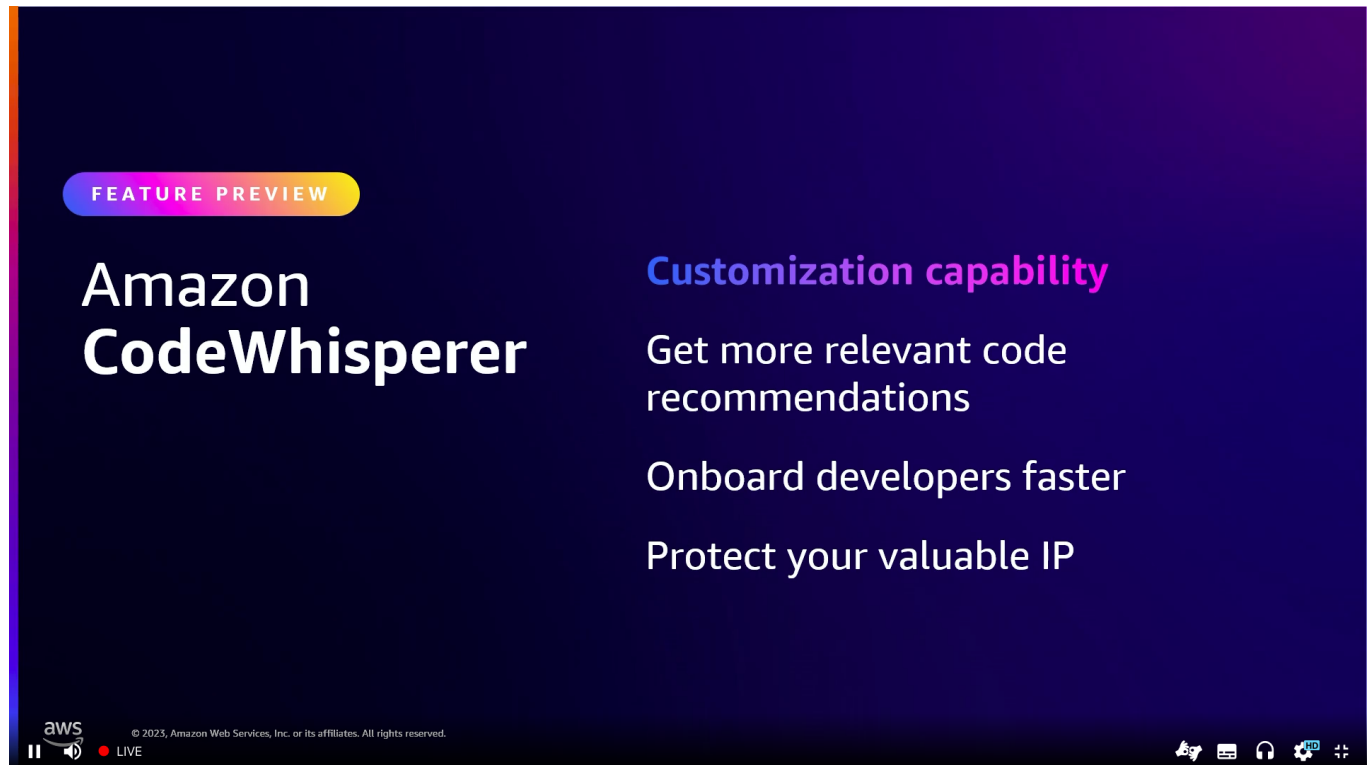
GAI everywhere

LLMs generate non-deterministic outputs

This is largely a primer on basic understanding of use cases for different models in security applications

Human review is essential, and will remain so.

"Your data is yours" they said.



A presentation slide for Amazon CodeWhisperer. The slide has a dark blue background with a purple-to-orange gradient bar at the top. On the left, the text "Amazon CodeWhisperer" is displayed in white. To the right, the heading "Customization capability" is in pink, followed by three bullet points: "Get more relevant code recommendations", "Onboard developers faster", and "Protect your valuable IP". At the bottom left is the AWS logo and a "LIVE" indicator. At the bottom right are icons for a microphone, a document, a headset, a gear, and a plus sign.

FEATURE PREVIEW

Amazon CodeWhisperer

Customization capability

- Get more relevant code recommendations
- Onboard developers faster
- Protect your valuable IP

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We don't use your code to train our model, he said.

Okay, Steve, time will tell! I hope that's as true as they are selling it.

It seems to me that "we don't leak your data to line our pockets," is the implication, Steve didn't say that, but I wish he would be that explicit.

"Your data is your data," he said.

Chancellor Allison something something Fayetteville State University

FSU North Carolina 1867 HBCU

Geospatial accreditation.

Adult learning center. Military affiliate students

Fort Bragg/Liberty

Okay, say something about it now...

74% Cybersecurirty job growth

VPN is too limiting.

Enter AWS Verified access

Using contextual data for authorization

Sport iof