

The background features a dark navy blue field with abstract, overlapping shapes in vibrant magenta and deep red. Thin, light blue lines intersect diagonally across the composition. The text is positioned on the left side.

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D O P 3 1 2

Make faster progress on AWS operational tasks with Amazon Q Developer

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Agenda

- **Amazon Q Developer overview**
 - Key features and capabilities
- **How Amazon Q Developer helps with troubleshooting**
 - Exploring its role in diagnosing and resolving issues
- **Use cases**
 - Practical examples of Amazon Q Developer in action
- **Getting started**
 - Steps to begin using Amazon Q Developer efficiently

About the audience

- Who has heard of Amazon Q before?
- What roles do we have in the room? (engineer, PM, IT admin, and so on)
- What languages do folks use?

Amazon Q Developer



Reimagines the experience across the entire software development lifecycle (SDLC)

Helps developers and IT professionals build and manage secure, scalable, and highly available applications

Helps you write, debug, test, optimize, and upgrade your code faster

Converses with you to explore new AWS capabilities, learn unfamiliar technologies, and architect solutions

Amazon Q is built with security and privacy in mind from the start, making it easier for organizations to use generative AI safely

Where are developers spending time in the SDLC?

Plan

- Find accurate and specific technical guidance from relevant documentation, code examples, resources, and so on
- Design changes based on business and technical requirements

Create

- Generate code
- Manage infrastructure

Test and secure

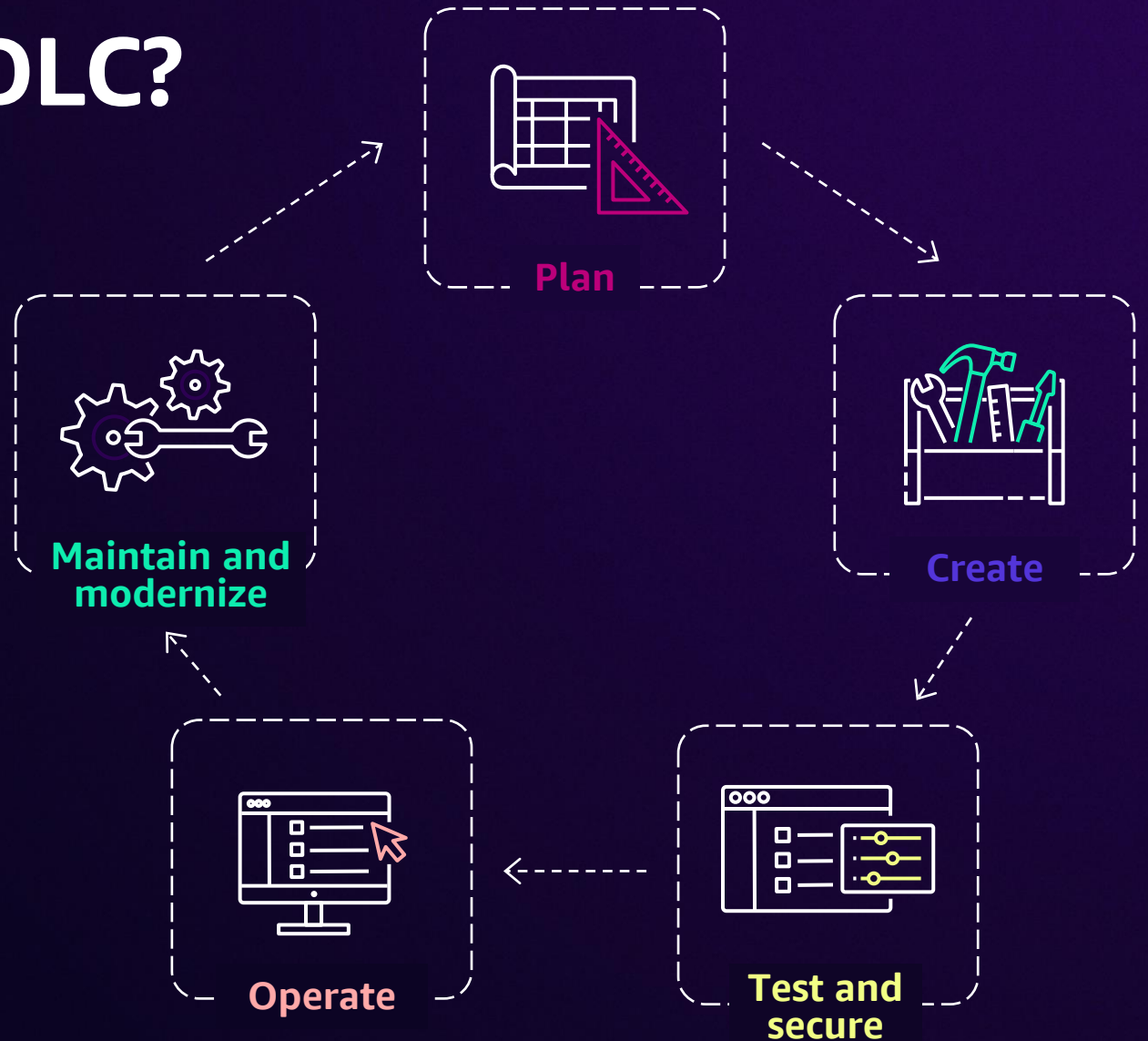
- Apply proper test cases for code changes
- Scan for security vulnerabilities in code

Operate

- Identify and mitigate code issues
- Monitor performance and efficiency

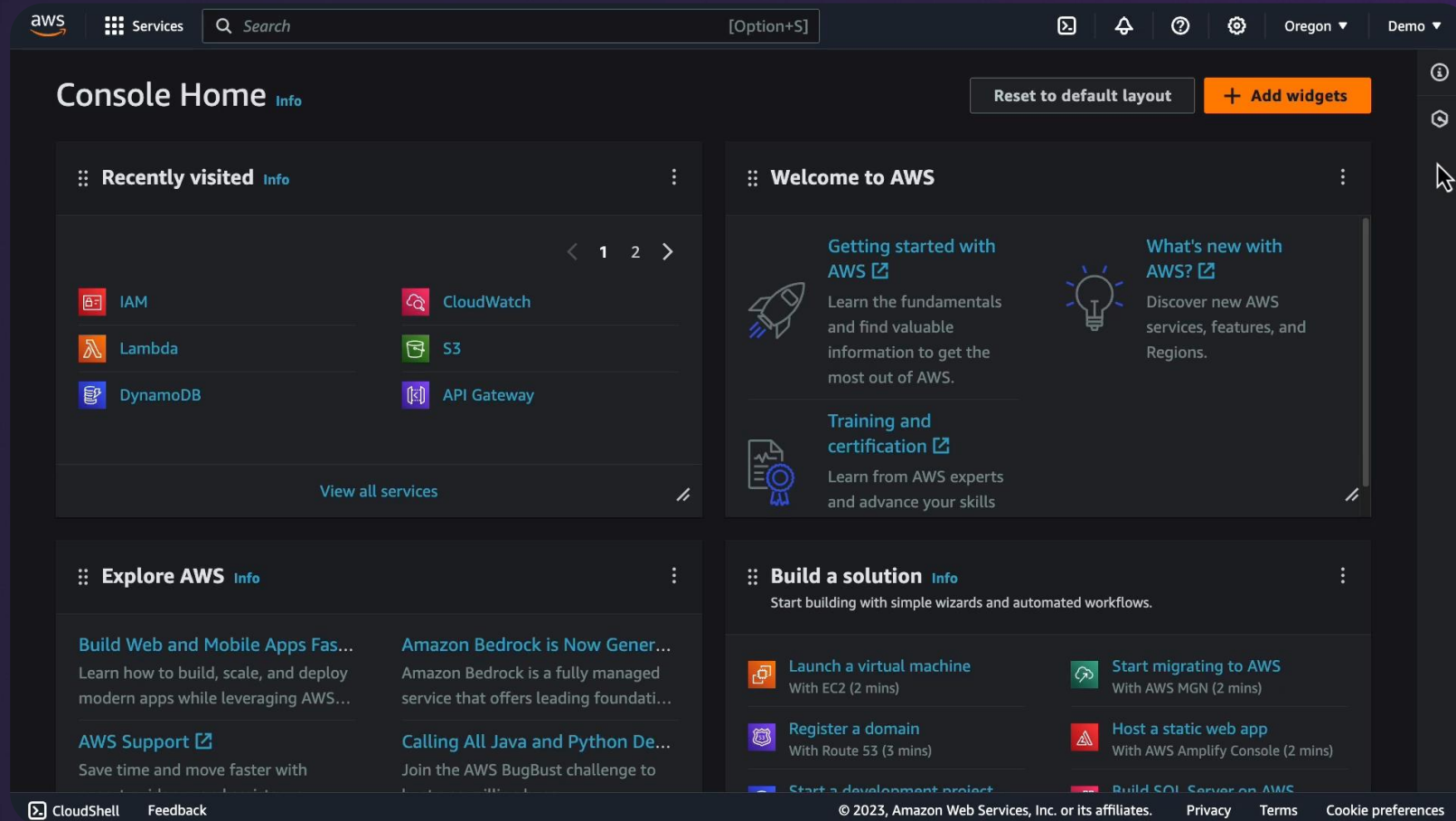
Maintain and modernize

- Modernize and update old code languages and dependencies



Who has struggled with an operation issue?

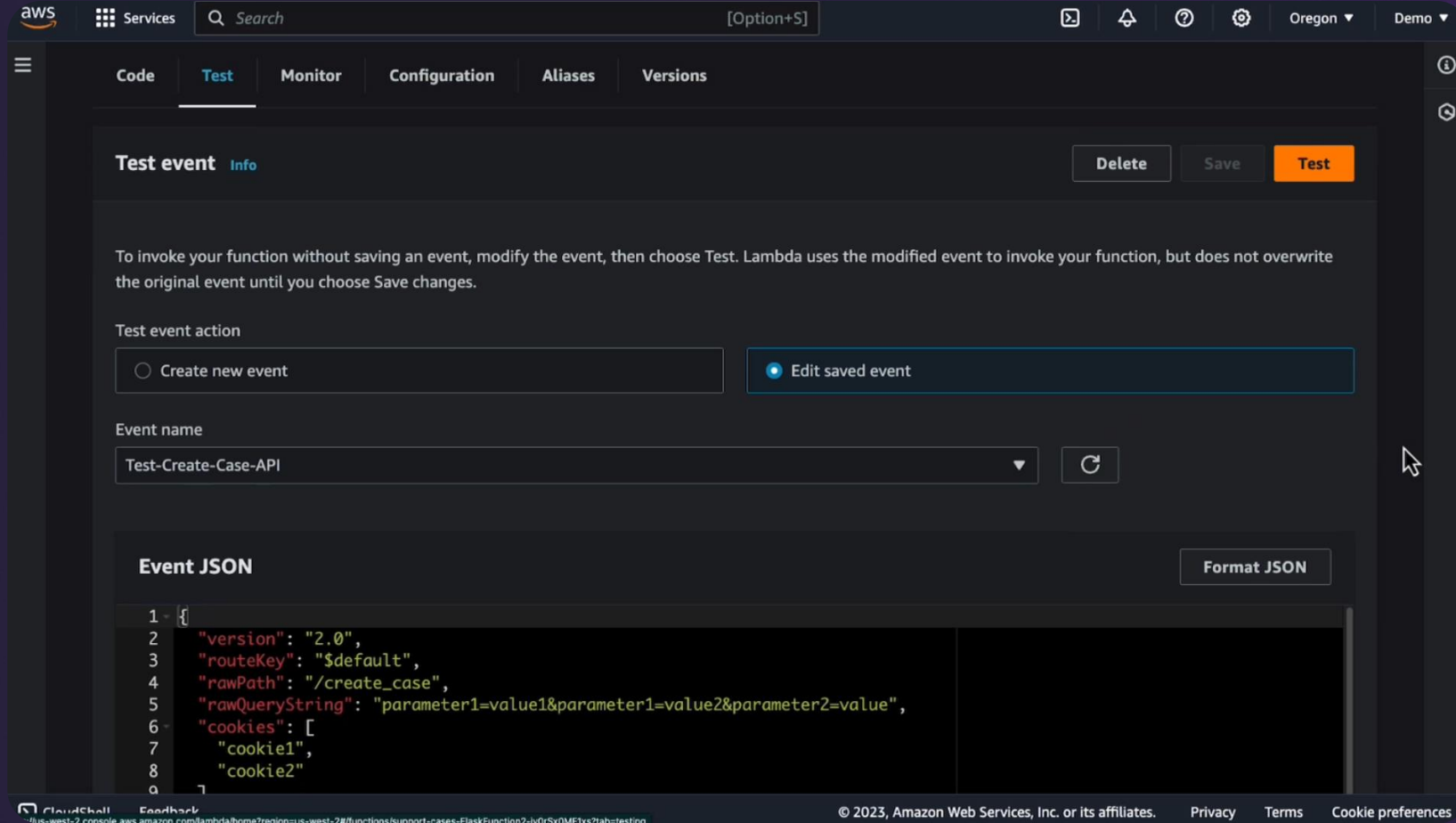
Explore and plan



Ask questions and get guidance from 17 years of AWS knowledge, best practices, and well-architected advice

Create a business-expert application using your data, systems, and more

Operate



Diagnose and
troubleshoot
errors in the
console

Analyze
network
connectivity
and VPC
reachability

Demo



Summary of core use cases



Retire tech debt at scale

Modernize projects and upgrade language version and dependencies with Amazon Q Developer Agent for code transformation



Drive developer productivity

Get inline coding recommendations, summarize and document code, scan for security issues, diagnose and troubleshoot bugs, and write unit tests



Improve security and code quality

Ship more secure code with less effort with code scanning and automated code remediation

Get started with Amazon Q Developer – Workshop



**Try Amazon Q
Developer today**



Thank you!

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