

# AWS re:Invent

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D O P 3 1 1

# Improving development ergonomics

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# Agenda

Define development ergonomics

Workshop scenario

Review development workflow

Workshop details

Hands-on workshop

# Development ergonomics

DEFINE DEVELOPMENT ERGONOMICS

The developer experience during the development process

*Shift left –*

Improve the experience by providing **tooling** to efficiently **build**, **test**, and **debug** modern serverless applications

# Developer at finance firm

## WORKSHOP SCENARIO



Manager has an **idea** for a new application



**Build** a stock trading service

*Buy when low*  
*Sell when high*



Sit back and **collect** the profits

# Application workflow

REVIEW DEVELOPMENT WORKFLOW

Development

Mid-Stage(s)

Production

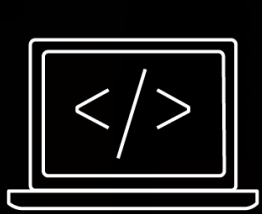
**Speed** is critical

**Quality** is critical

# Development workflow

## REVIEW DEVELOPMENT WORKFLOW

### Development



**Code** the application



**Test** and **build** locally



**Deploy** to developer environment



**Debug** and **trace** service end-to-end



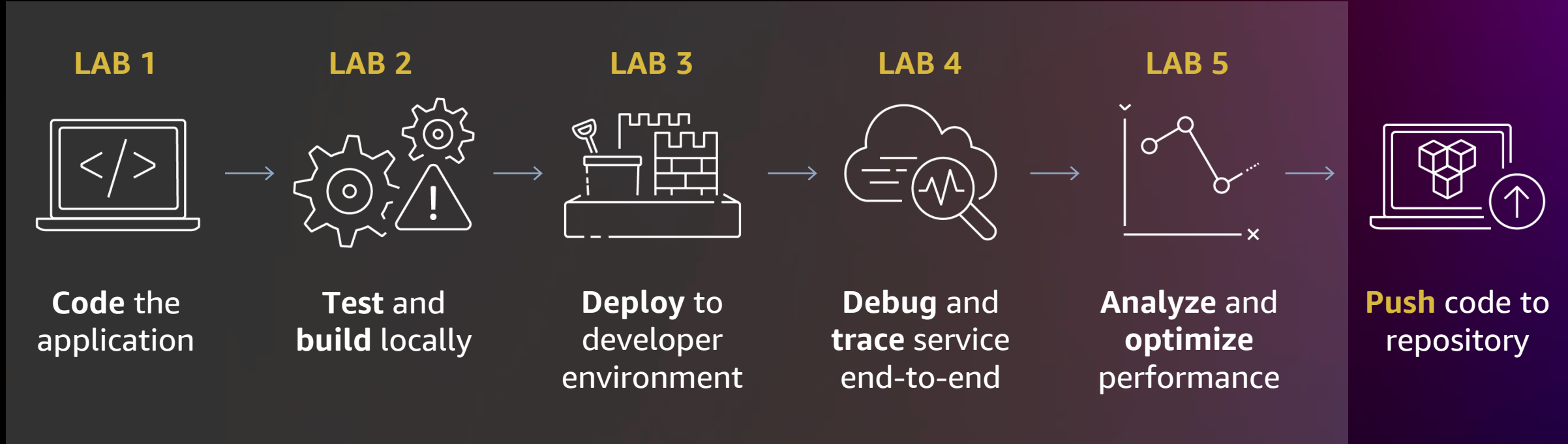
**Analyze** and **optimize** performance



**Push** code to repository

# Workshop overview

## WORKSHOP DETAILS



Emphasis on some of the **tools** for **speed**



# Workshop logistics

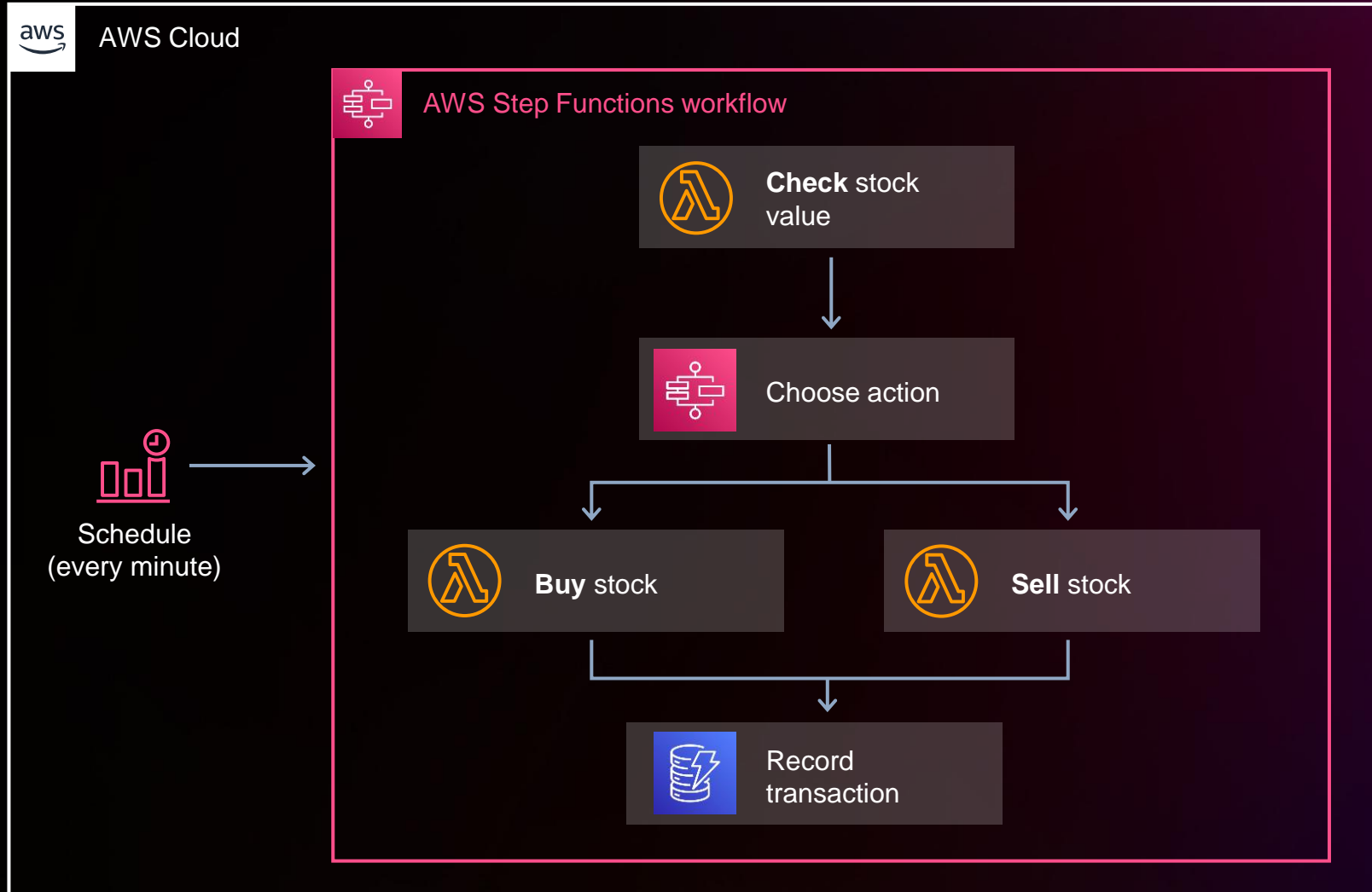
## WORKSHOP DETAILS

**Workshop studio** – accounts will be provisioned for you to run today's labs

**Workshop moderators** – workshop moderators will walk around the room to help you

# Stock trader architecture

## WORKSHOP DETAILS



# Hands-on workshop

*Workshop studio:* <https://s12d.com/dop311>

*Access code:* a3d0-0d13be-9f



**Step 1:** Click **Email one-time password (OTP)** button.

A screenshot of the AWS Workshop Studio sign-in page. The page has a dark blue header with the 'aws workshop studio' logo on the left and a settings icon on the right. Below the header, there is a breadcrumb trail 'Workshop Studio > Sign in'. The main content area is white and contains a 'Sign in' section. This section has a sub-header 'Choose a preferred sign-in method' and three buttons: 'Email one-time password (OTP)' (highlighted in orange), 'Login with Amazon', and 'Amazon employee'. Below the 'Login with Amazon' button, there is a link 'Login with your Amazon.com retail account'. Below the 'Amazon employee' button, there is a link 'Login with your Amazon Corporate account. Only for Amazon Employees.'

# Hands-on workshop

*Workshop studio:* <https://s12d.com/dop311>

*Access code:* a3d0-0d13be-9f



**Step 2:** Enter event access code.  
*The link should autofill this for you.*

A screenshot of the AWS Workshop Studio interface. The header shows the AWS logo and 'workshop studio'. Below the header, there's a breadcrumb 'Workshop Studio > Join event'. The main content area is titled 'Enter event access code'. On the left, there's a sidebar with 'Step 1: Enter event access code' (active) and 'Step 2: Review and join'. The main form has a title 'Event access code' and a description 'Event access code: A 12 digit code that was given to you for this event'. Below this is a text input field. At the bottom right, there are 'Cancel' and 'Next' buttons.

# Hands-on workshop

*Workshop studio:* <https://s12d.com/dop311>

*Access code:* a3d0-0d13be-9f



**Step 3:** Read and agree to the Terms and Conditions. Click the **Join event** button.

Workshop Studio > Join event

Step 1  
[Enter event access code](#)

Step 2  
**Review and join**

### Review and join

#### Event details

Name	Start time	Duration	Level
[REDACTED]	[REDACTED]	[REDACTED]	-

Description

[REDACTED]

#### Terms and Conditions

Read and accept before joining the event

1. By using AWS Workshop Studio for the relevant event, you agree to the AWS Event Terms and Conditions and the AWS Acceptable Use Policy. You acknowledge and agree that are using an AWS-owned account that you can only access for the duration of the relevant event. If you find residual resources or materials in the AWS-owned account, you will make us aware and cease use of the account. AWS reserves the right to terminate the account and delete the contents at any time.
2. You will not: (a) process or run any operation on any data other than test data sets or lab-approved materials by AWS, and (b) copy, import, export or otherwise create derivative works of materials provided by AWS, including but not limited to, data sets.
3. AWS is under no obligation to enable the transmission of your materials through Event Engine and may, in its discretion, edit, block, refuse to post, or remove your materials at any time.
4. Your use of AWS Workshop Studio will comply with these terms and all applicable laws, and your access to AWS Workshop Studio will immediately and automatically terminate if you do not comply with any of these terms or conditions.

☒ I agree with the Terms and Conditions

Cancel Previous **Join event**

# Thank you!

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*Access code:* a3d0-0d13be-9f



Please complete the session  
survey in the **mobile app**

