

AWS re:Invent

NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

DAT401-R

Build a web-scale application with purpose-built databases & analytics

Chad Tindel

Principal NoSQL SA
AWS

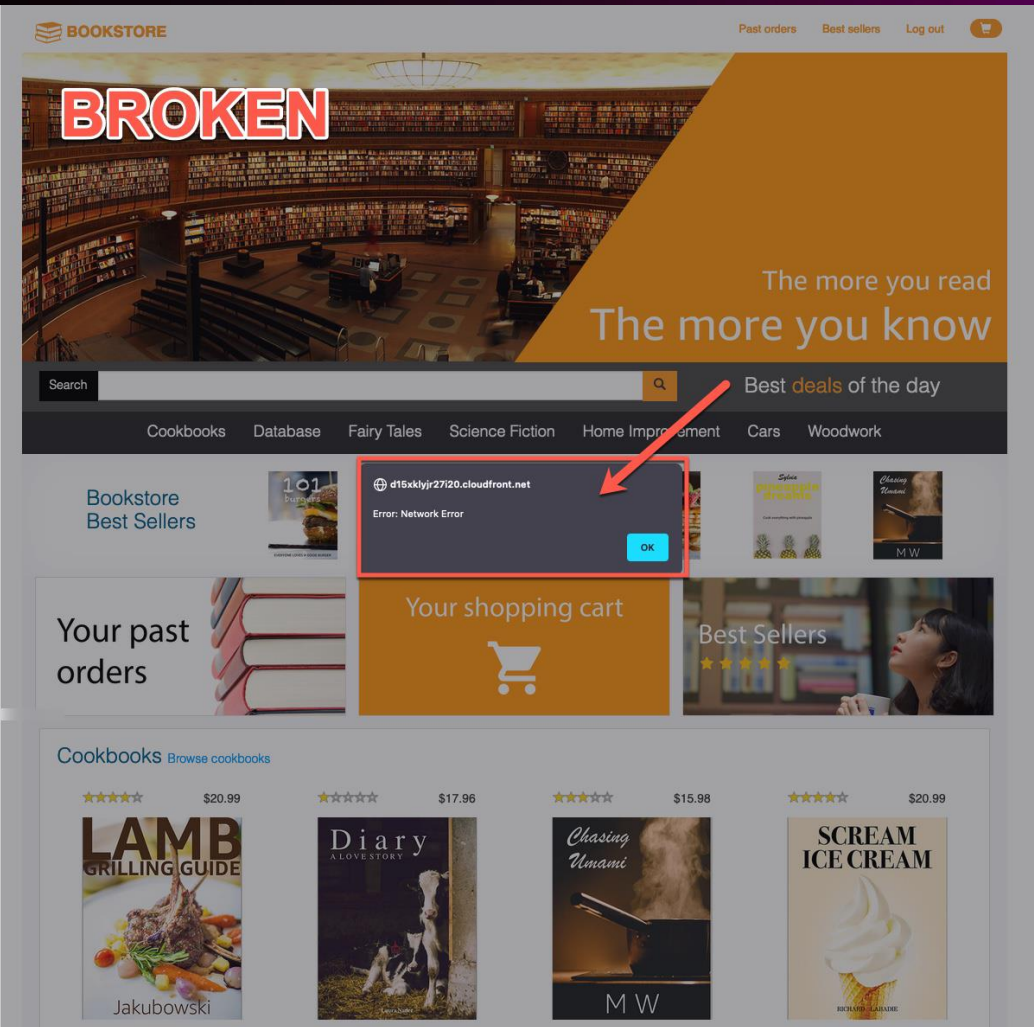
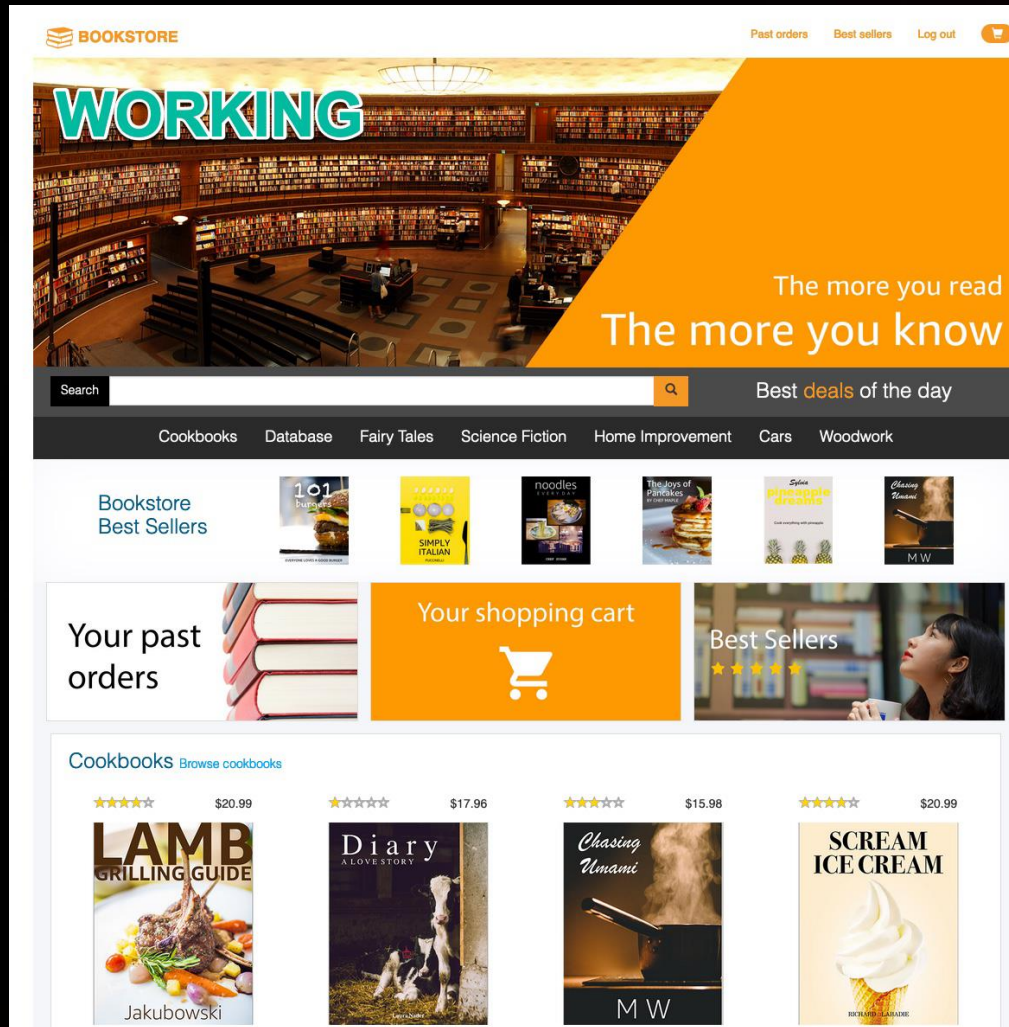
Taylor Riggan

Senior Graph Architect
AWS



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The AWS Bookstore demo app



Getting started with this workshop

- As a participant, you will have access to an AWS account with any optional pre-provisioned infrastructure and IAM policies needed to complete this workshop.
- The AWS account will be available only for the duration of this workshop. You will lose access to the account thereafter.
- The optional pre-provisioned infrastructure will be deployed to a specific region. Check your workshop content to determine whether other regions will be used.
- Be sure to review the terms and conditions of the event. Do not upload any personal or confidential information in the account.

Step 1: Sign in via your preferred method

<https://s12d.com/DAT401>



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Workshop Studio > Sign in

Sign in

Choose a preferred sign-in method

Email one-time password (OTP)

Enter your personal or corporate email to receive a one-time password

Login with Amazon

Login with your Amazon.com retail account

Amazon employee

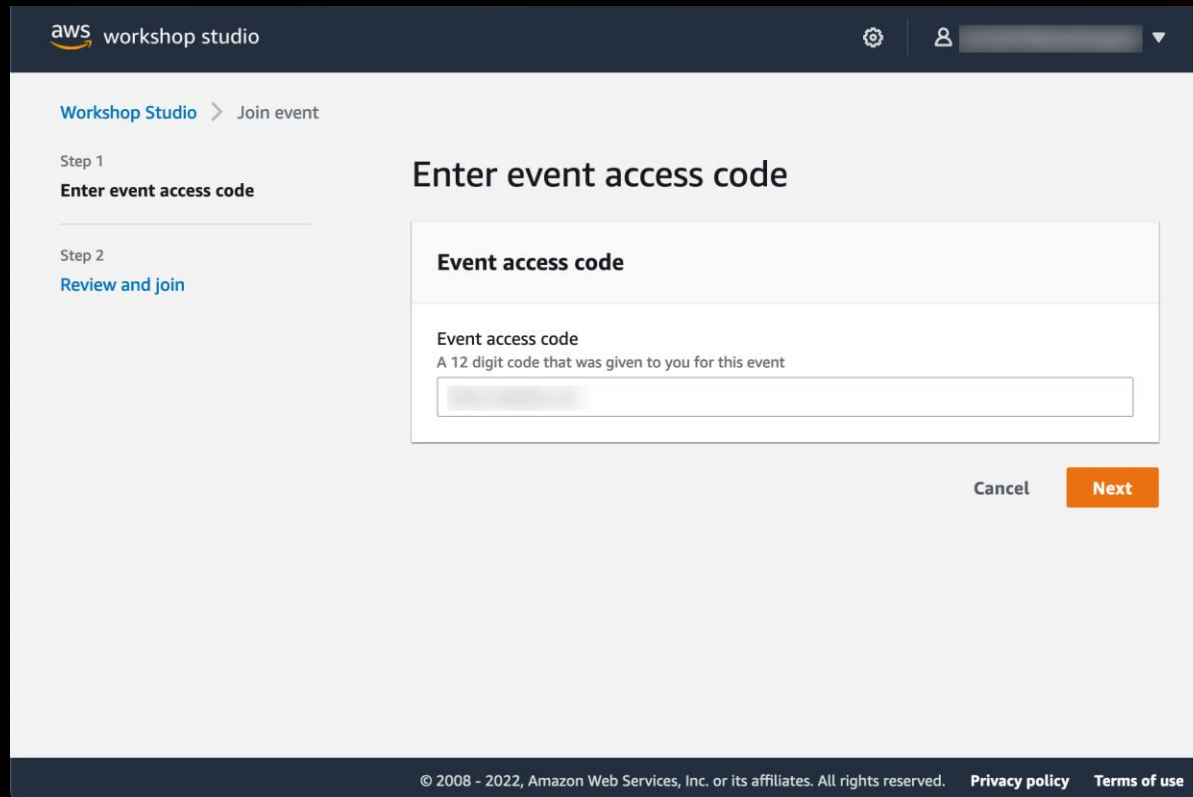
Login with your Amazon Corporate account. Only for Amazon Employees.

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Step 2: Enter the event access code

Enter the 12-digit event access code

If you were given a one-click join link, you can skip this step






The screenshot shows the AWS Workshop Studio interface. At the top, there's a header with the AWS logo and 'workshop studio' text. Below the header, a breadcrumb trail shows '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' and 'Step 2 Review and join'. The main form area 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 of the form, there are 'Cancel' and 'Next' buttons. The footer contains copyright information and links to 'Privacy policy' and 'Terms of use'.

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Step 3: Review the terms and join the event

aws workshop studio

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
AWS General Immersion Day	9/23/2022 01:13 AM	12 hours	-

Description

AWS General Immersion Day

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 derivate 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.

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Cancel

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Join event



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Step 4: Get started with the workshop

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Build a web-scale app with purpose-built databases & analytics event

Build a web scale app with purpose-built databases and analytics

Getting Started at an AWS hosted event

Introduction to purpose-built databases

▶ Workshop Overview

Module 1: Explore a working version of the bookstore

Module 2: Implement the DynamoDB GetBook API Call

Module 3: Implement the Neptune GetRecommendations API Call

Module 4: Implement the ElastiCache GetBestSellers API Call

Module 5: Implement the ...

▼ AWS account access

[Open AWS console \(us-east-2\)](#)

[Get AWS CLI credentials](#)

ⓘ

Event ends in 1 day 17 hours 29 minutes.

×

Event dashboard > Build a web scale app with purpose-built databases and analytics

Build a web-scale app with purpose-built databases & analytics event

Event information

Start time	Duration	Accessible regions
11/27/2022 11:53 AM	48 hours	us-east-2, us-east-1

Description

Test event for content Build a web-scale app with purpose-built databases & analytics


Workshop

Title	Complexity level	AWS services	Topics
Build a web-scale app with purpose-built databases & analytics	300	Amazon DynamoDB, Amazon Neptune, Amazon ElastiCache	Databases, Analytics, Serverless

Description


In this workshop, learn to build modern web applications at scale using purpose-built databases. Discover how to apply development patterns using Amazon DynamoDB, Amazon ElastiCache, Amazon Neptune, and Amazon OpenSearch Service to build a fully functional and scalable bookstore ecommerce application and dive deep into best practices along the way. Basic familiarity with AWS concepts and services such as IAM, VPC, networking, and storage services is recommended.

Get started >



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Step 5: Follow Workshop Instructions

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Build a web-scale app with purpose-built databases & analytics event

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Module 5: Implement the ...

✓ AWS account access

[Open AWS console \(us-east-2\)](#)

[Get AWS CLI credentials](#)

Event ends in 1 day 17 hours 29 minutes.

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Event dashboard > Build a web scale app with purpose-built databases and analytics

Build a web scale app with purpose-built databases and analytics

Workshop Overview

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The workshop contains the following chapters:

- [Getting started](#)
- [Introduction to purpose-built databases](#)
- [Workshop Overview](#)
- [Module 1: Explore a working version of the bookstore](#)
- [Module 2: Implement the DynamoDB GetBook API Call](#)
- [Module 3: Implement the Neptune GetRecommendationsByBook API Call](#)
- [Module 4: Implement the ElastiCache GetBestSellers API Call](#)
- [Module 5: Implement the OpenSearch Search API Call](#)
- [Module 6: Implement Analytics using QuickSight and Athena](#)


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For afterwards

http://bookstoredemo.com



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 **triggan** Merge pull request [#38](#) from aws-samples/fiss37 ... 1a57bd9 6 days ago 83 commits

	.github	Update issue templates	4 years ago
	assets	Adding support for Amazon OpenSearch Service.	last month
	functions	Remove UUID from UploadBooks	3 years ago
	readmeimages	Add files via upload	4 years ago
	template	Updating template containing lambda warmers.	last month
	CODE_OF_CONDUCT.md	Creating initial file from template	4 years ago
	CONTRIBUTING.md	Creating initial file from template	4 years ago
	LICENSE	Creating initial file from template	4 years ago
	README.md	Fixing README to address change in launch instructions. Removin...	6 days ago

 [README.md](#) 

AWS Bookstore Demo App

AWS Bookstore Demo App is a full-stack sample web application that creates a storefront (and backend) for customers to shop for fictitious books. The entire application can be created with a single CloudFormation

About

AWS Bookstore Demo App is a full-stack sample web application that creates a storefront (and backend) for customers to shop for fictitious books. The entire application can be created with a single template. Built on AWS Full-Stack Template.

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