

AWS re:Invent

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

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

Chad Tindel

Principal NoSQL SA
AWS

Taylor Riggan

Senior Graph Architect
AWS

The AWS Bookstore demo app

WORKING

The more you read
The more you know

Best deals of the day

Cookbooks Database Fairy Tales Science Fiction Home Improvement Cars Woodwork

Bookstore Best Sellers

Your past orders

Your shopping cart

Best Sellers

Cookbooks Browse cookbooks

LAMB GRILLING GUIDE
Jakubowski

Diary A LOVE STORY

Chasing Umami
M W

SCREAM ICE CREAM
RICHARD LARADE

BROKEN

The more you read
The more you know

Best deals of the day

Cookbooks Database Fairy Tales Science Fiction Home Improvement Cars Woodwork

Bookstore Best Sellers

d15xklyjr2720.cloudfront.net

Error: Network Error

OK

Your past orders

Your shopping cart

Best Sellers

Cookbooks Browse cookbooks

LAMB GRILLING GUIDE
Jakubowski

Diary A LOVE STORY

Chasing Umami
M W

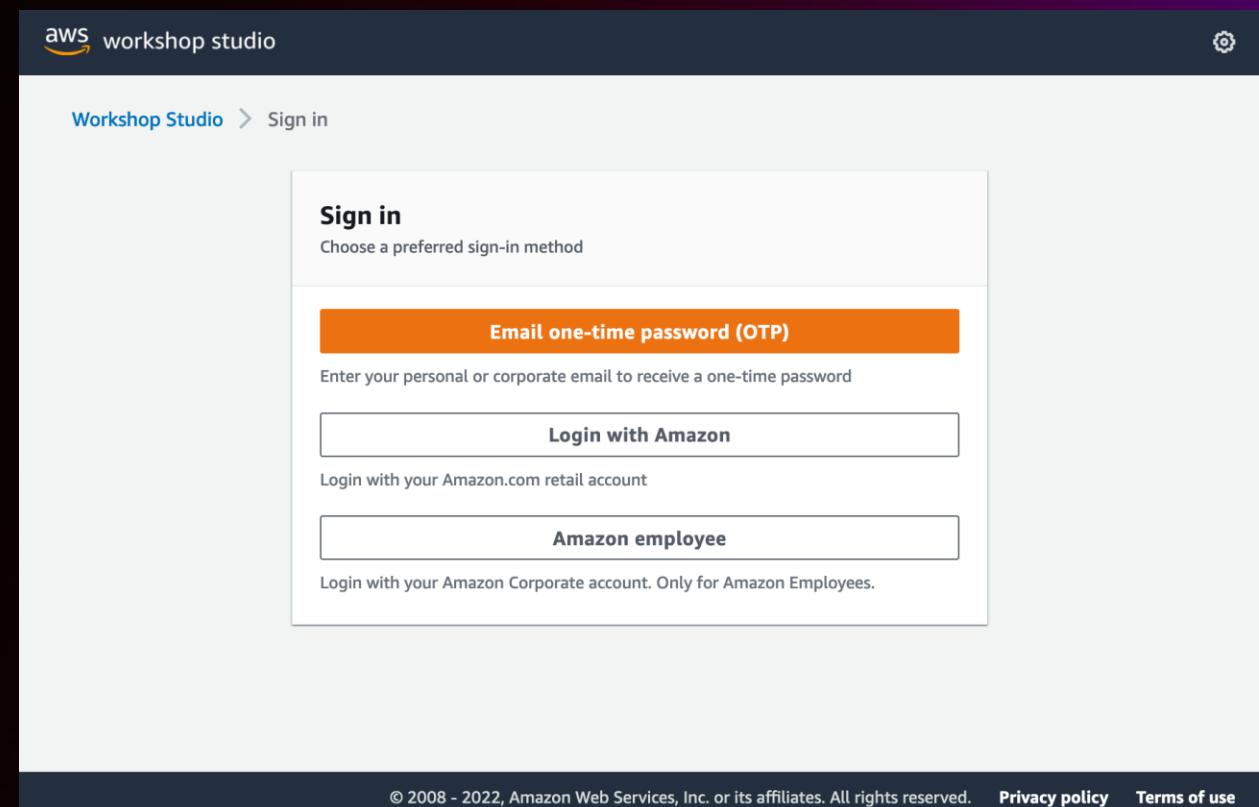
SCREAM ICE CREAM
RICHARD LARADE

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

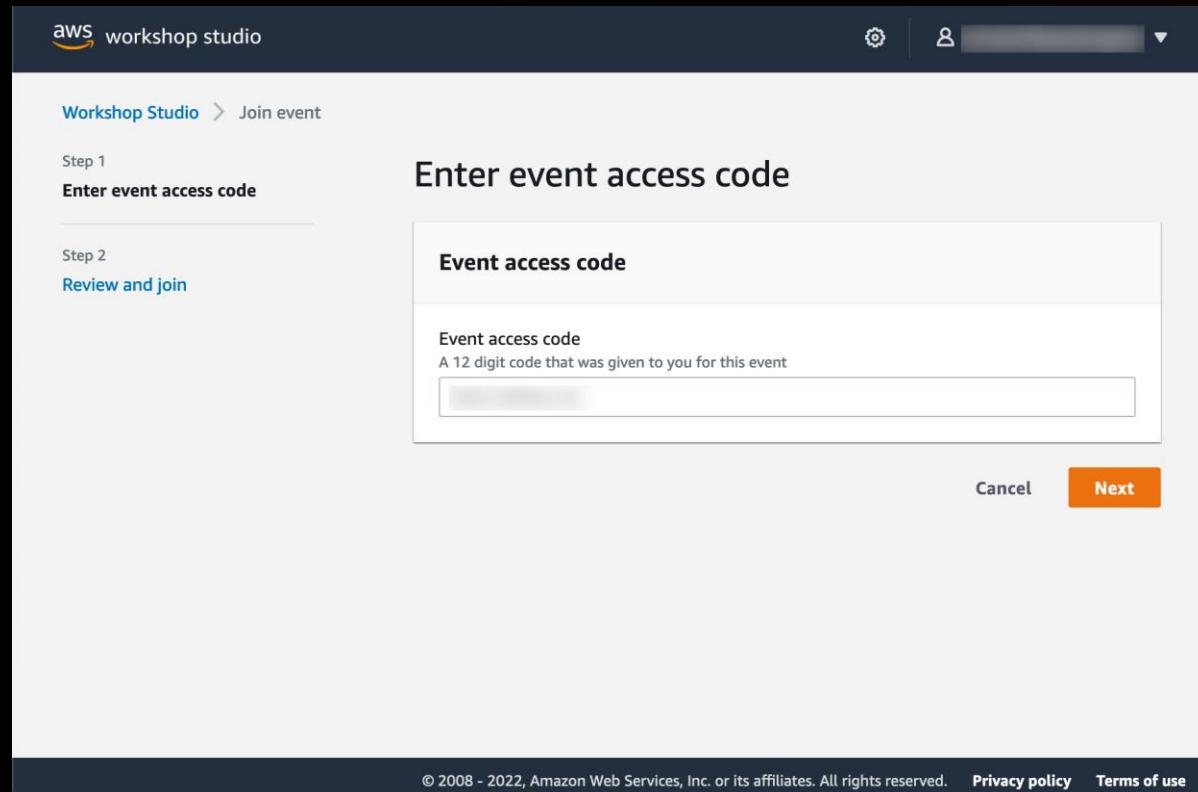
<https://s12d.com/DAT401>



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

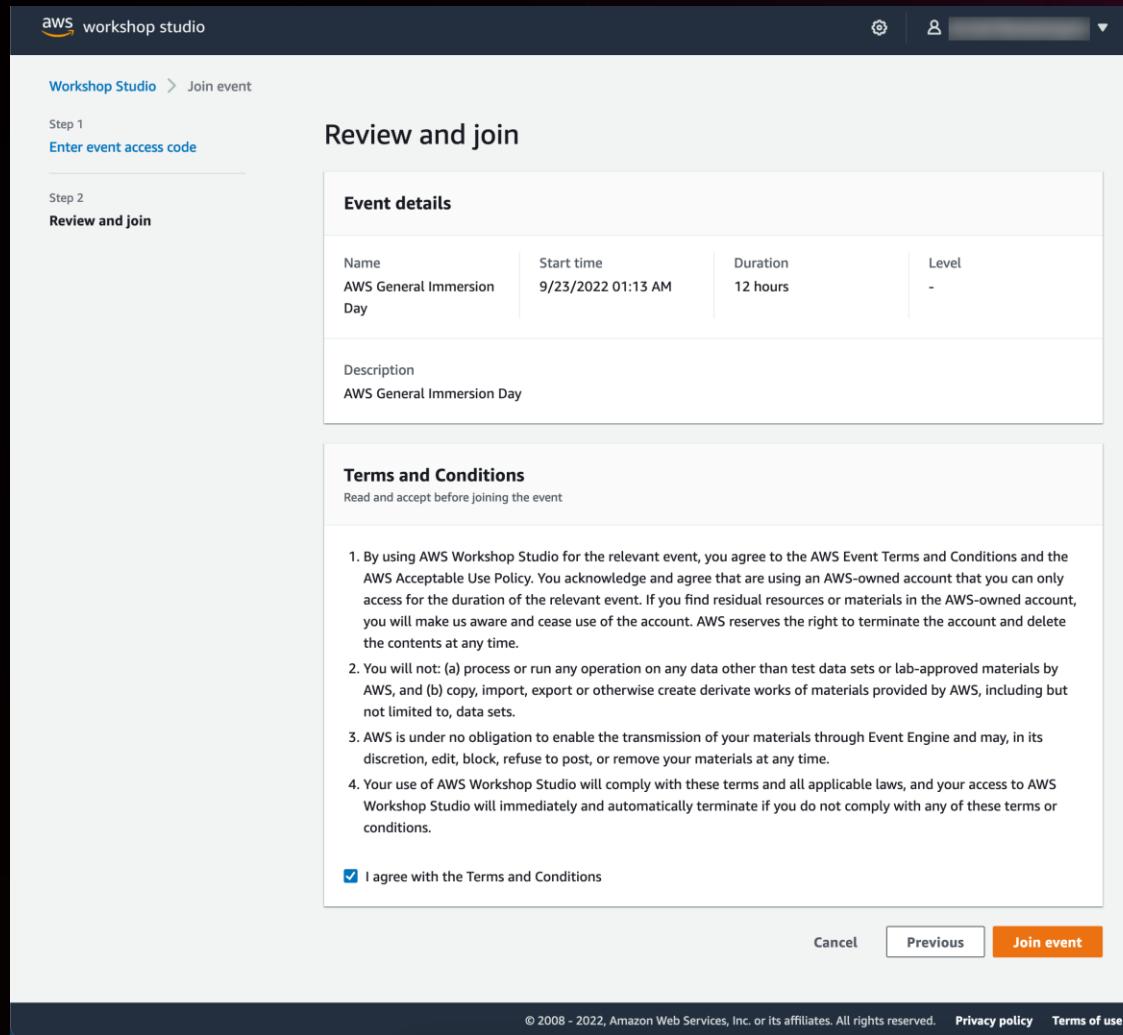


ed51-09c057-80



© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

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 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

© 2008 - 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved. [Privacy policy](#) [Terms of use](#)

Step 4: Get started with the workshop

aws workshop studio

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

Event ends in 1 day 17 hours 29 minutes.

Event dashboard > Build a web scale app with purpose-build 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 >

Build a web scale app with purpose-build 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 OpenSearch API Call

AWS account access

- Open AWS console (us-east-2)
- Get AWS CLI credentials

Step 5: Follow Workshop Instructions

The screenshot shows the AWS Workshop Studio interface. The top navigation bar includes the AWS logo, the 'workshop studio' title, and a gear icon for settings. A blue banner at the top right indicates 'Event ends in 1 day 17 hours 29 minutes' with a close button. The main content area has a breadcrumb trail: 'Event dashboard > Build a web scale app with purpose-build databases and analytics'. The main title is 'Build a web scale app with purpose-built databases and analytics'. A 'Workshop Overview' section describes the workshop's goal: learning to build modern web applications at scale using purpose-built databases like Amazon DynamoDB, Amazon ElastiCache, Amazon Neptune, and Amazon OpenSearch Service. It also mentions basic familiarity with AWS concepts and services like IAM, VPC, networking, and storage services. Below this, a list of chapters is provided, each with a blue link: '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 GetRecommendations API Call', 'Module 4: Implement the ElastiCache GetBestSellers API Call', 'Module 5: Implement the OpenSearch Search API Call', and 'Module 6: Implement Analytics using QuickSight and Athena'. At the bottom right are 'Previous' and 'Next' buttons, with 'Next' being orange. The left sidebar contains a table of contents with sections like 'Build a web scale app with purpose-build 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 OpenSearch Search API Call', 'Module 6: Implement Analytics using QuickSight and Athena', and 'AWS account access' with links to 'Open AWS console (us-east-2)' and 'Get AWS CLI credentials'.

aws workshop studio

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

Event ends in 1 day 17 hours 29 minutes.

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

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

Workshop Overview

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.

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](#)

Previous

Next

Build a web scale app with purpose-build 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 OpenSearch Search API Call

Module 6: Implement Analytics using QuickSight and Athena

AWS account access

Open AWS console (us-east-2)

Get AWS CLI credentials

For afterwards

<http://bookstoredemo.com>

aws-samples / **aws-bookstore-demo-app** Public template

Code Issues (12) Pull requests (2) Discussions Actions Projects Security Insights Settings

master 3 branches 0 tags Go to file Add file Use this template

Your master branch isn't protected Protect this branch

triggnan Merge pull request #38 from aws-samples/iss37 ... 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.

Readme MIT-0 license Code of conduct Security policy 438 stars 30 watching 236 forks

Releases

No releases published Create a new release

Packages

No packages published Publish your first package

Thank you!



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