

AWS re:Invent

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

Build an iOS-native app with a cloud-based backend

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Developer Advocate, AWS

Who am I ?

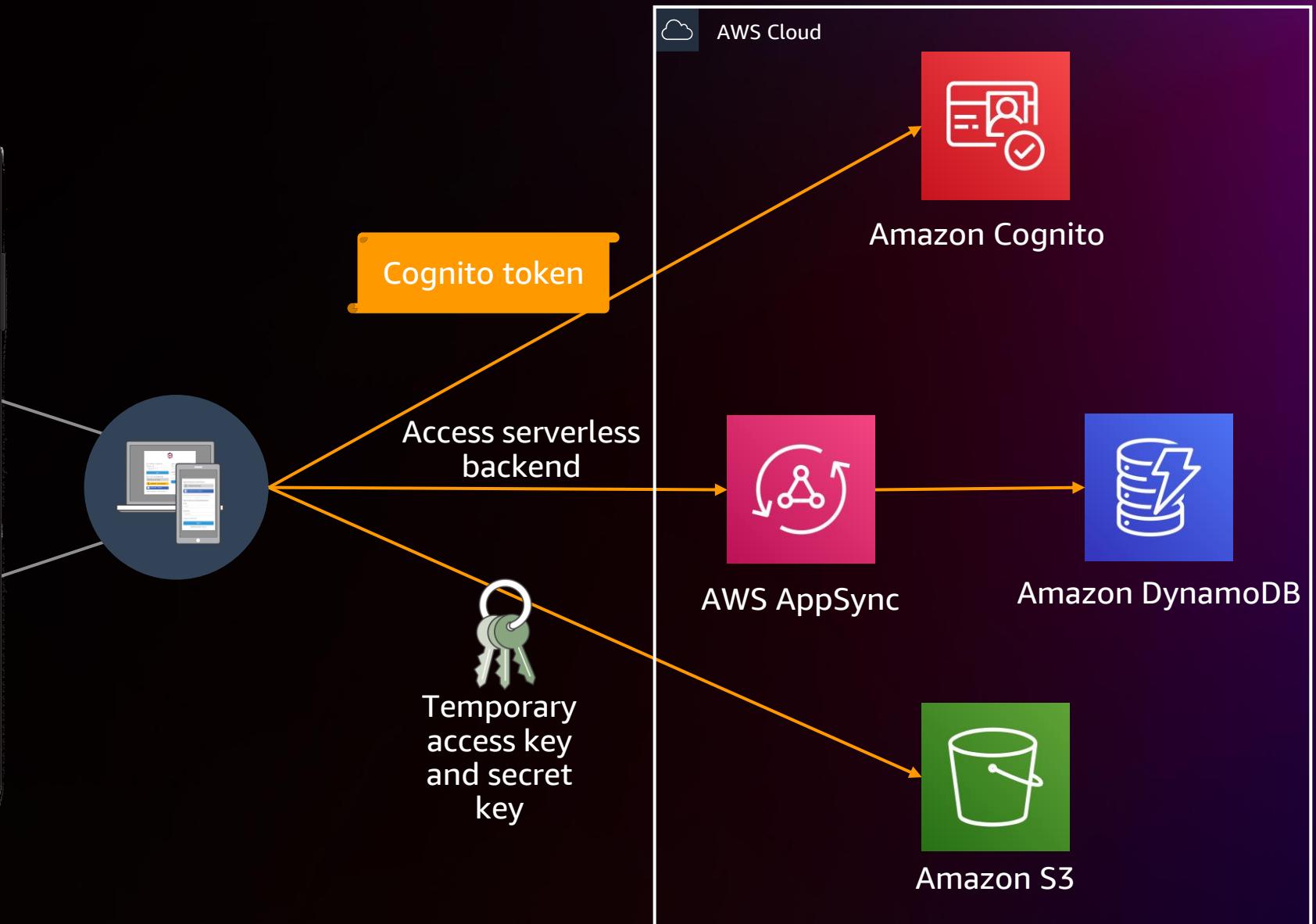
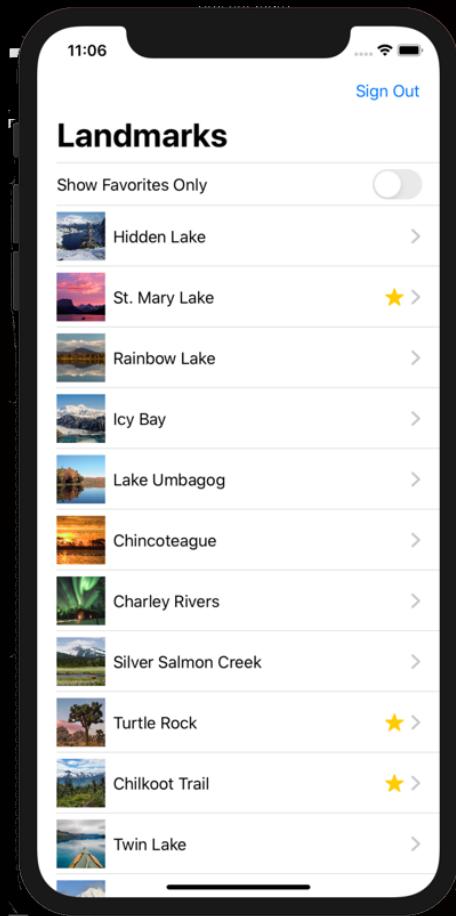


What are we going to build?

Landmarks

Show Favorites Only

-  Turtle Rock ★ >
-  Silver Salmon Creek >
-  Chilkoot Trail ★ >
-  St. Mary Lake ★ >
-  Twin Lake >
-  Lake McDonald >
-  Charley Rivers >
-  Icy Bay >
-  Rainbow Lake >
-  Hidden Lake >
-  Chincoteague >



Main sections

- Getting started
- Add user authentication
- Add data API
- Add image storage

Optional sections

- Add Identity Federation
(Sign in with Apple)
- Customize the login UI

Pre-requisites

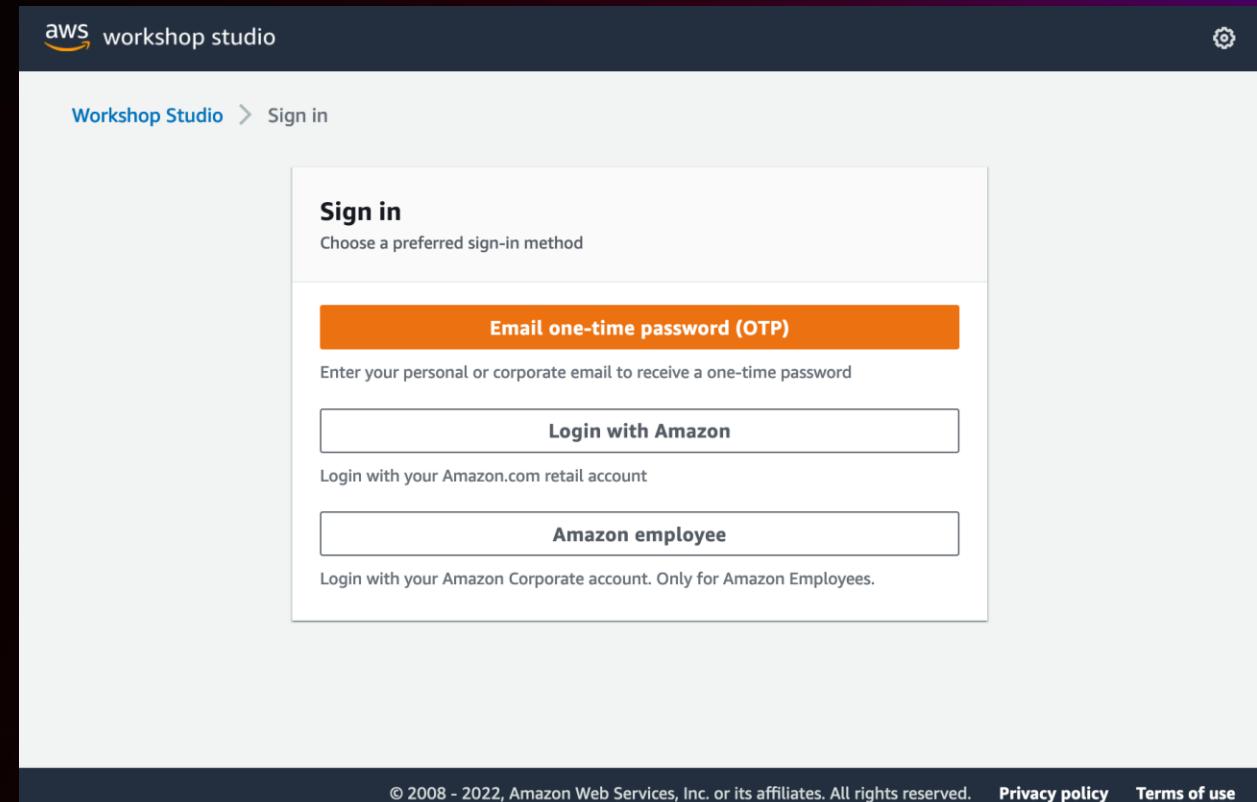
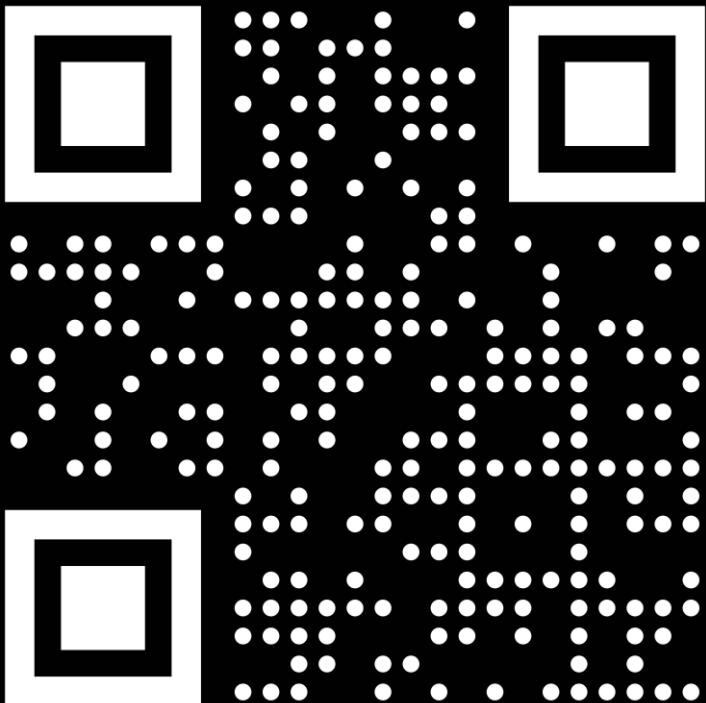
- MacOS laptop + XCode 14
- Basic knowledge of the Swift programming language
- Join the workshop at <https://sebs.to/boa332-22>

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 only be available for the duration of this workshop. You will lose access to the account thereafter.
- Be sure to review the terms and conditions of the event. Do not upload any personal or confidential information in the account.

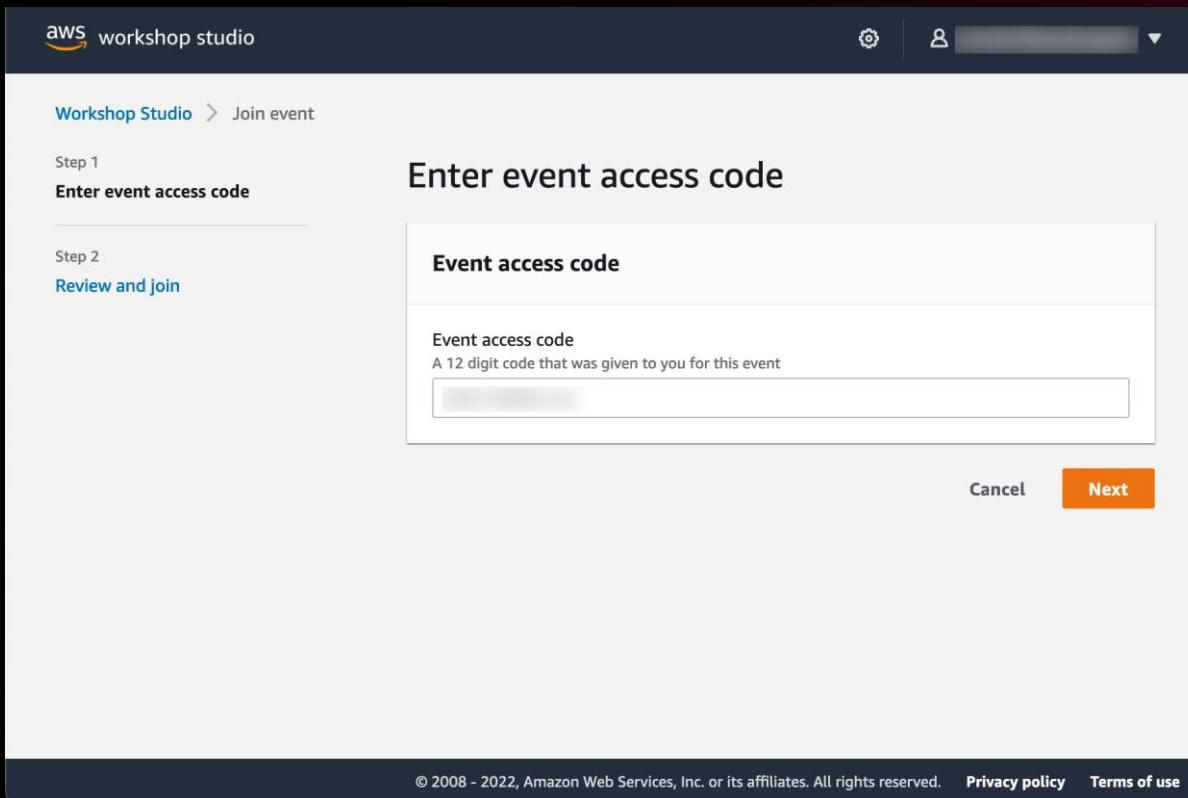
Step 1: Sign in via your preferred method

<https://sebs.to/boa332-22>



Step 2: Enter event access code

Enter 12-digit event access code. If you were given a one-click join link, you can skip this step.



Step 3: Review terms and join event

The screenshot shows the 'Review and join' step of the AWS Workshop Studio 'Join event' process. The page is titled 'Review and join' and displays 'Event details' and 'Terms and Conditions'.

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

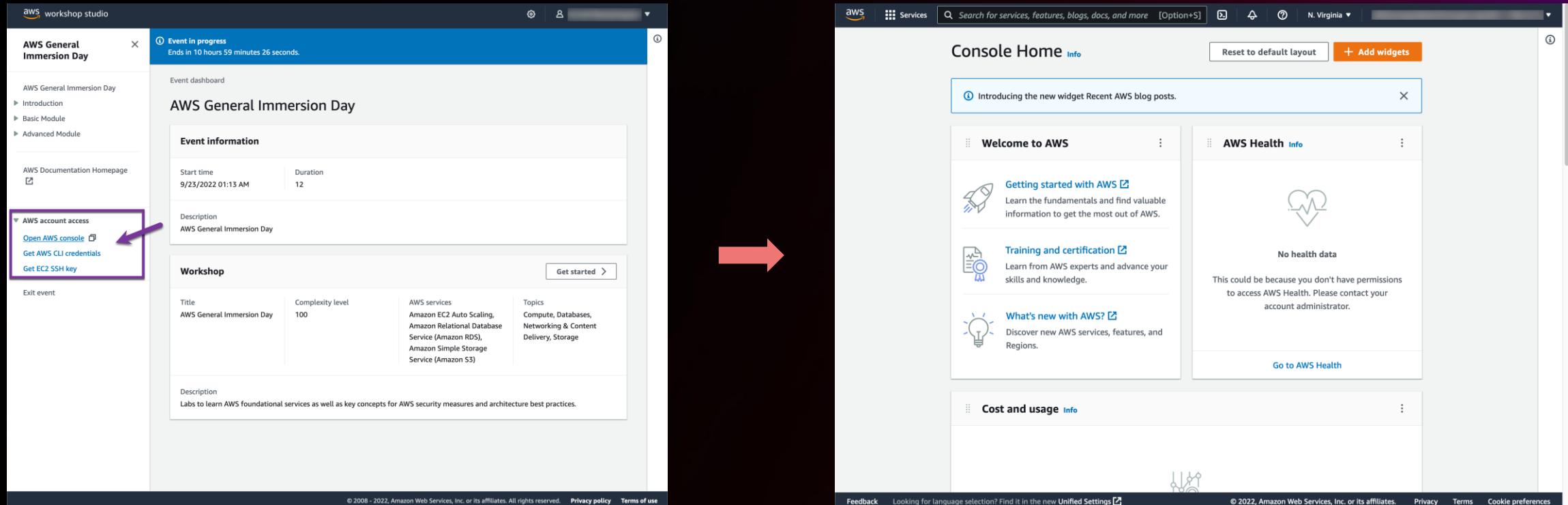
Cancel Previous **Join event**

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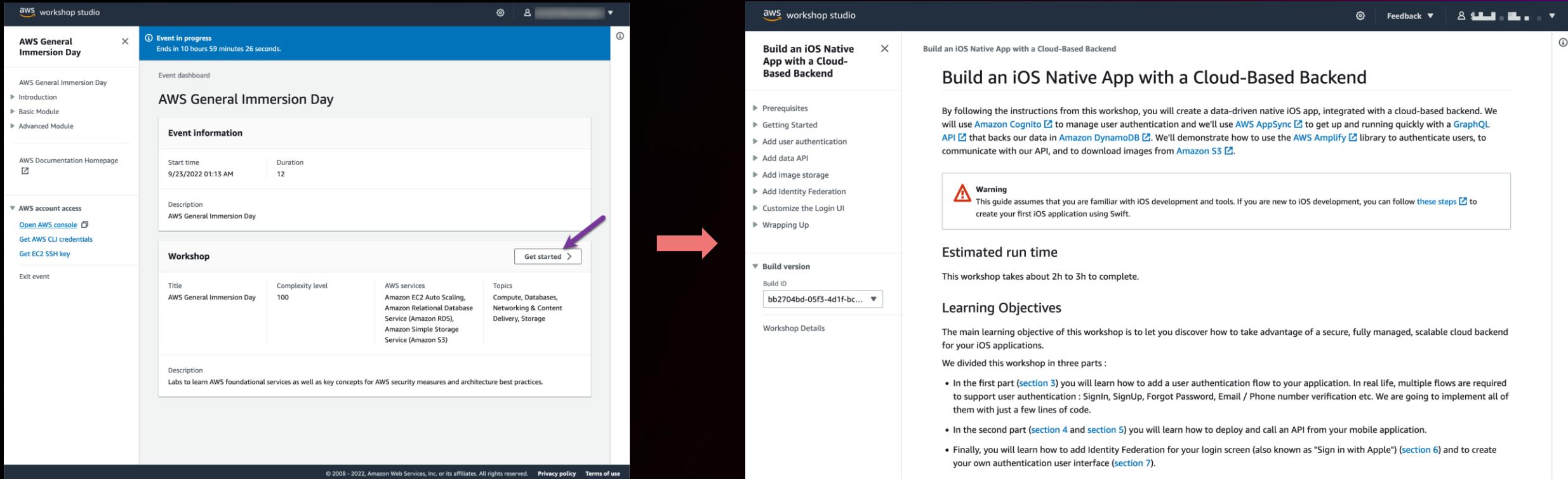


Step 4: Access AWS account

Access the AWS console, or generate AWS CLI credentials as needed



Step 5: Get started with the workshop



The image shows a transition from the AWS Workshop Studio event dashboard to a specific workshop details page. On the left, the event dashboard for 'AWS General Immersion Day' is displayed, showing event information and a 'Get started' button. A purple arrow points to this button. A large red arrow points from the event dashboard to the right, where the 'Build an iOS Native App with a Cloud-Based Backend' workshop details page is shown. This page includes a table of contents, a warning section, estimated run time, learning objectives, and workshop details.

AWS General Immersion Day

Event information

Start time: 9/23/2022 01:13 AM Duration: 12

Description: AWS General Immersion Day

Workshop

| Title | Complexity level | AWS services | Topics |
|---------------------------|------------------|---|--|
| AWS General Immersion Day | 100 | Amazon EC2 Auto Scaling, Amazon Relational Database Service (Amazon RDS), Amazon Simple Storage Service (Amazon S3) | Compute, Databases, Networking & Content Delivery, Storage |

Description: Labs to learn AWS foundational services as well as key concepts for AWS security measures and architecture best practices.

Get started >

Build an iOS Native App with a Cloud-Based Backend

Prerequisites

- Getting Started
- Add user authentication
- Add data API
- Add image storage
- Add Identity Federation
- Customize the Login UI
- Wrapping Up

Build version

Build ID: bb2704bd-05f3-4d1f-bc...

Workshop Details

Estimated run time

This workshop takes about 2h to 3h to complete.

Learning Objectives

The main learning objective of this workshop is to let you discover how to take advantage of a secure, fully managed, scalable cloud backend for your iOS applications.

We divided this workshop in three parts :

- In the first part ([section 3](#)) you will learn how to add a user authentication flow to your application. In real life, multiple flows are required to support user authentication : SignIn, SignUp, Forgot Password, Email / Phone number verification etc. We are going to implement all of them with just a few lines of code.
- In the second part ([section 4](#) and [section 5](#)) you will learn how to deploy and call an API from your mobile application.
- Finally, you will learn how to add Identity Federation for your login screen (also known as "Sign in with Apple") ([section 6](#)) and to create your own authentication user interface ([section 7](#)).

Blocked?

A question?

Ask for help!



Thank you!

Sébastien Stormacq
@sebsto



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