AWS
re:Invent
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ENT305-R

Operate Windows Server workloads at scale by using automation

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Agenda

Workshop modules explained

How to get started

Hands-on workshop starts!

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Workshop modules explained

WHAT YOU WILL LEARN IN THIS WORKSHOP

	What you will learn	What you will use
Build	Build, test, and distribute images	EC2 Image Builder
Operate	Set configuration, securely connect, and patch	AWS Systems Manager
Monitor	Metrics, log aggregation, and alerting	Amazon CloudWatch

aws

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Module 1: EC2 Image Builder

BUILD, TEST, AND DISTRIBUTE IMAGES

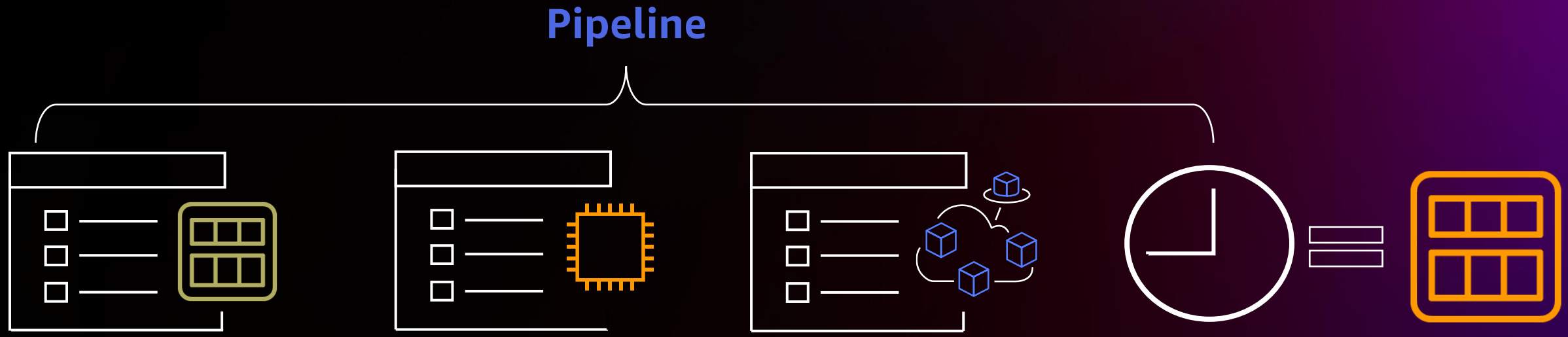

Image recipe

Source image
Managed components
Create your own component

Infrastructure configuration

Instance type, subnet, security groups, logging configuration, et cetera

Distribution configuration

Distribute to Regions, accounts, and organizations

Schedule

Manual cron scheduled

Output image

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Module 2: AWS Systems Manager

SET CONFIGURATION, SECURELY CONNECT, AND PATCH

AWS Systems Manager

Amazon EC2 Windows instances

AWS Systems Manager is used to:

1. Deploy and configure the CloudWatch agent
2. Securely connect to an instance via RDP or AWS Tools for PowerShell
3. Patch instances

Windows Server 2022 instances are pre-provisioned in your account and tagged as: workshop: module2

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Module 3: Amazon CloudWatch

QUERY AND GRAPH METRICS, AGGREGATE LOGS, AND SET UP ALERTING

Amazon EC2 Windows instances

Windows Server 2022 instances with CloudWatch agent pre-configured are deployed in your account

Instances are tagged as: workshop: module3

Amazon CloudWatch

You will use Amazon CloudWatch to:

1. Collect metrics and logs from Amazon EC2 Windows instances
2. Query and graph metrics
3. Create metrics from logs
4. Set up alarms

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How to get started

- As a participant, you will have access to an AWS account with any optional, pre-provisioned infrastructure and AWS Identity and Access Management (IAM) policies needed to complete this workshop
- The AWS account will only be available for the duration of this workshop; after this workshop, you will lose access to the account
- The optional, pre-provisioned infrastructure will be deployed to a specific Region; check your workshop content to determine if other Regions will be used
- Be sure to review the terms and conditions of the event; do not upload any personal or confidential information to the account

aws

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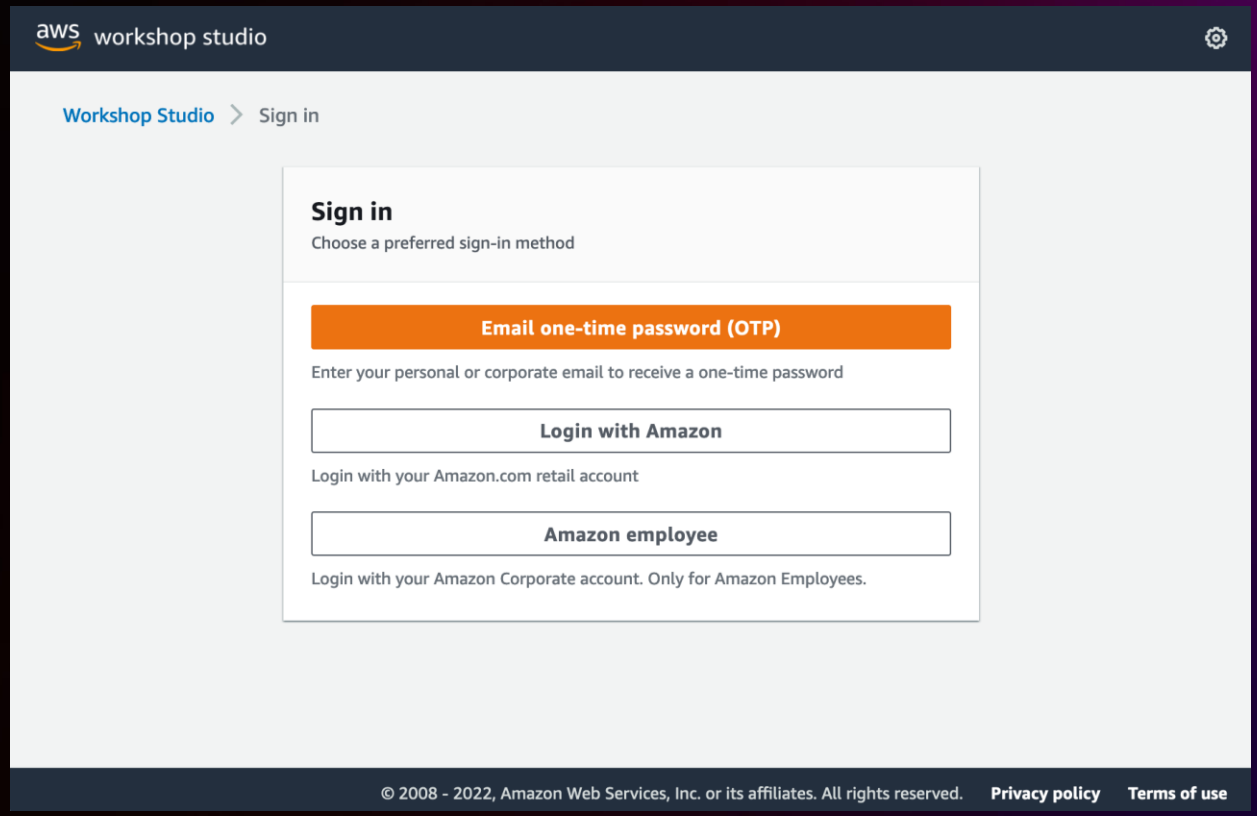
Step 1: Sign-in using your preferred method

https://s12d.com/ENT305R



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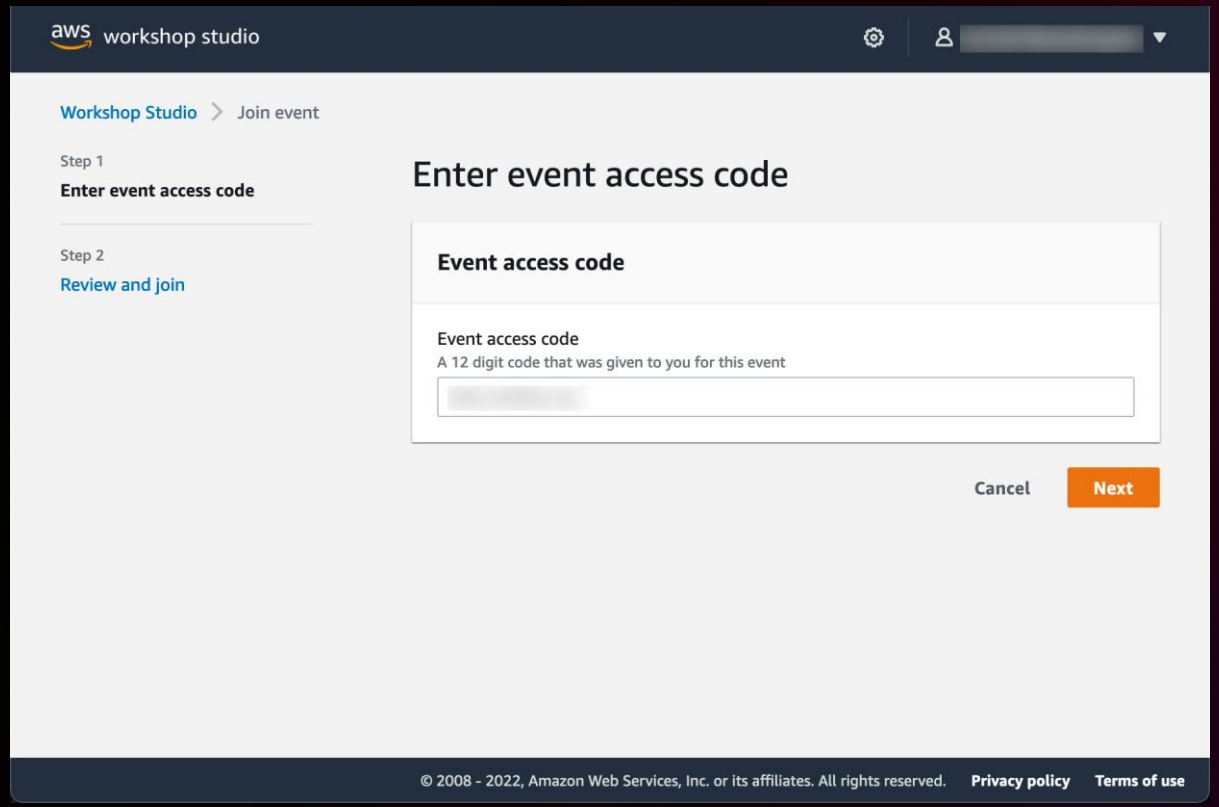
Step 2: Enter the event access code

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



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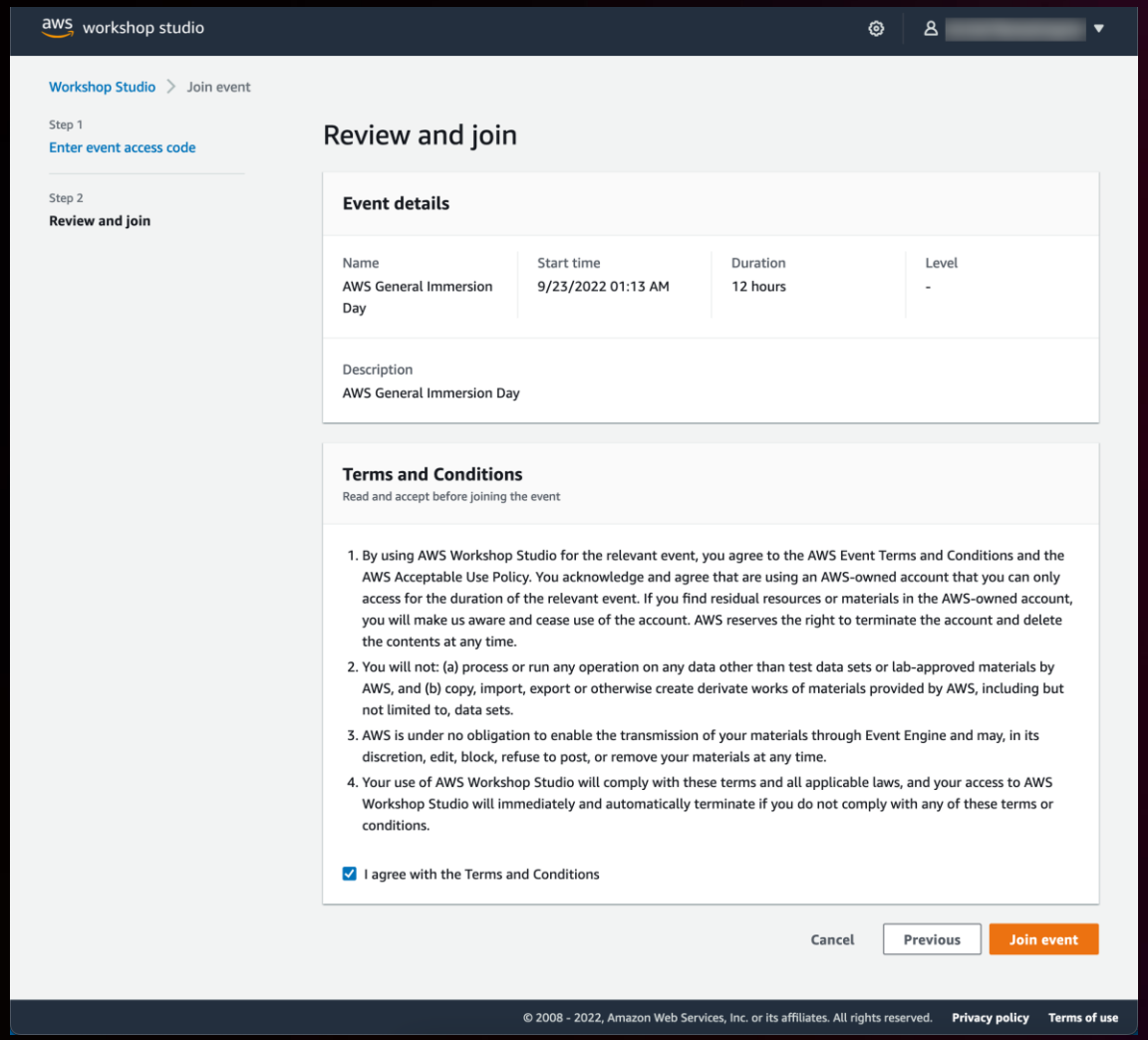
Step 3: Review the terms and join the event



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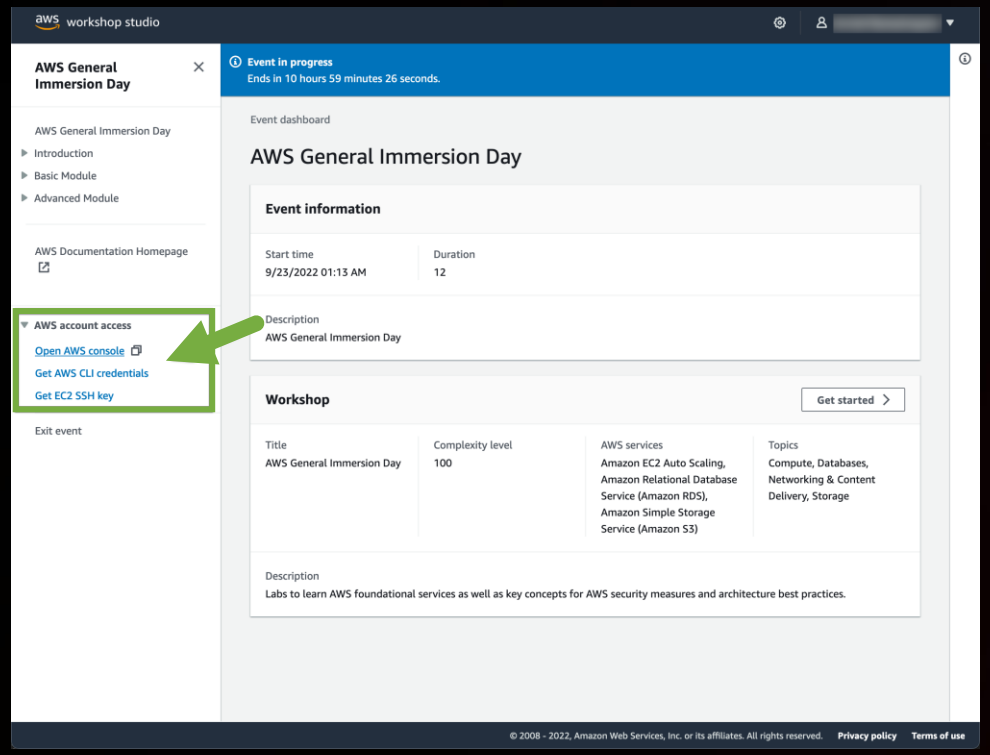
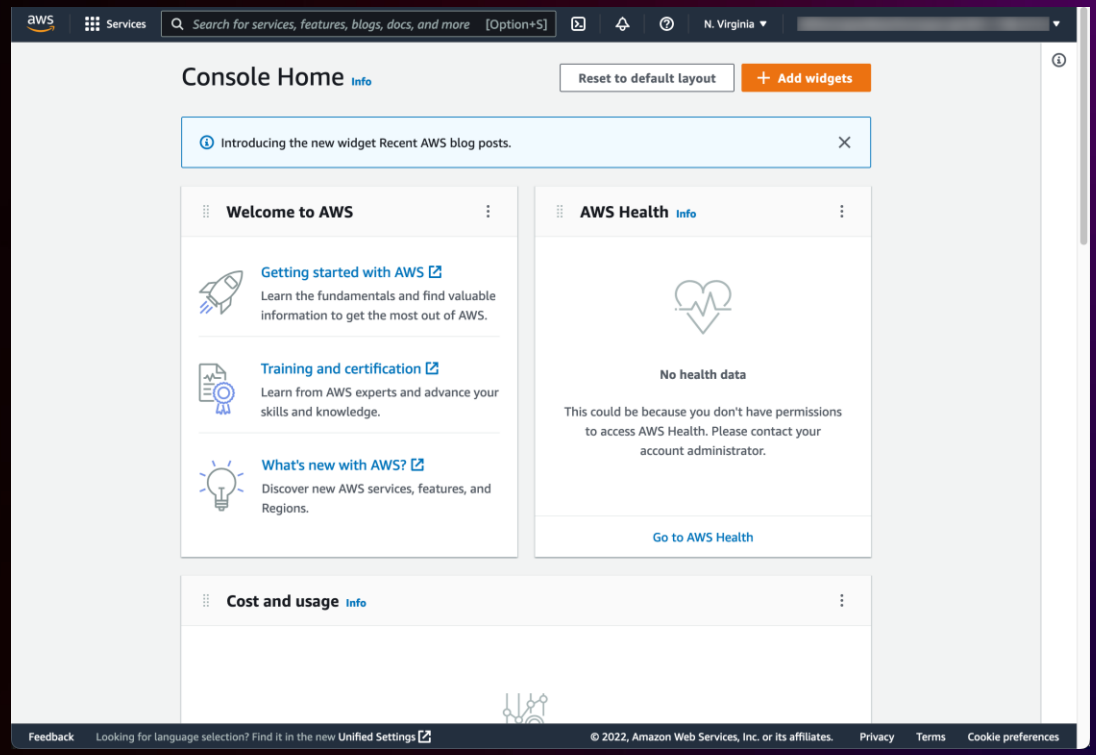
Step 4: Access the AWS account

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





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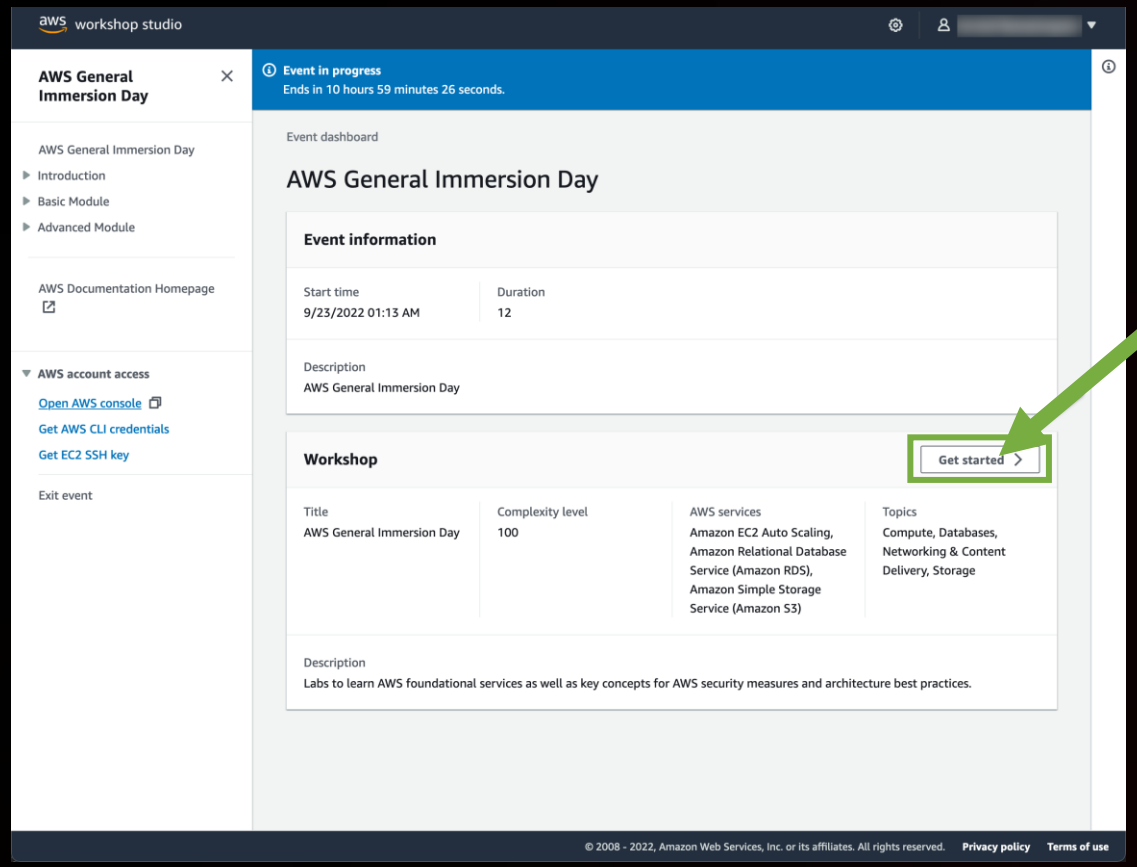
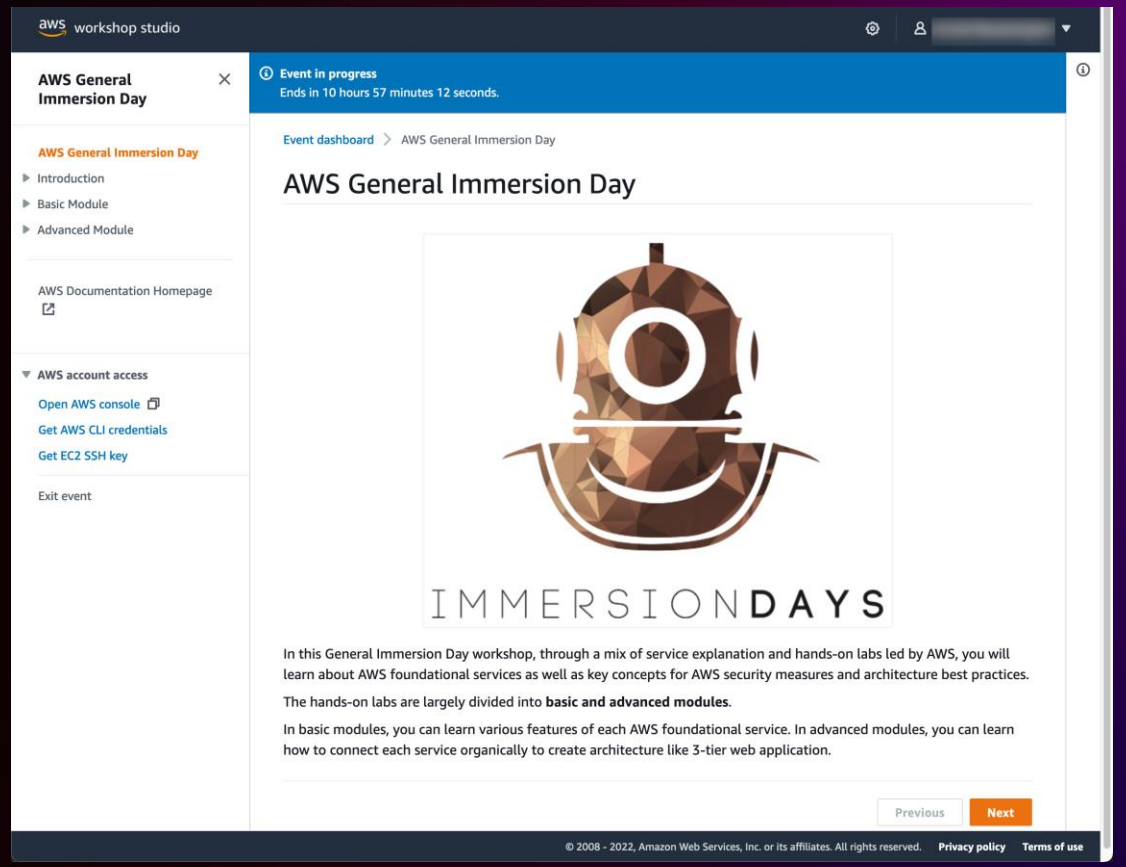
Step 5: Get started with the workshop





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Thank you!

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

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