

AWS re:Invent

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

Operate Windows Server workloads at scale by using automation

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Amazon Web Services



Agenda

Workshop modules explained

How to get started

Hands-on workshop starts!

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

Module 1: EC2 Image Builder

BUILD, TEST, AND DISTRIBUTE IMAGES

Pipeline

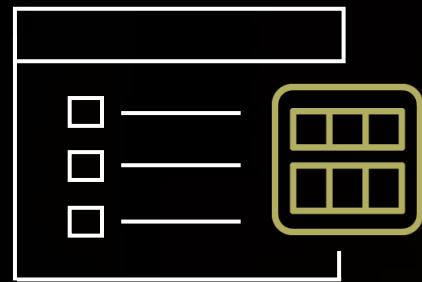
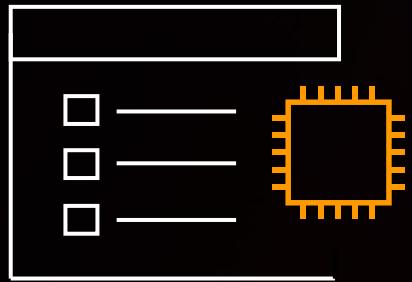


Image recipe

Source image
Managed components
Create your own component



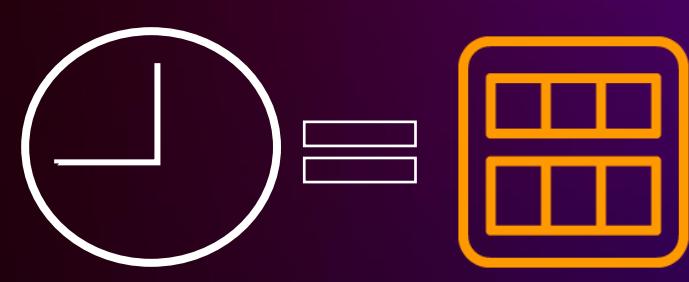
Infrastructure configuration

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



Distribution configuration

Distribute to Regions,
accounts, and
organizations



Schedule

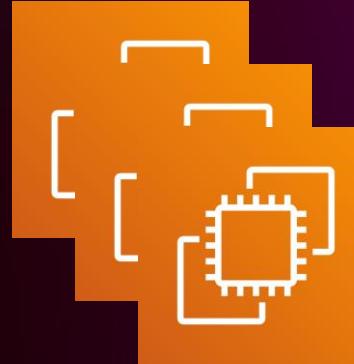
Manual cron
scheduled



Output image

Module 2: AWS Systems Manager

SET CONFIGURATION, SECURELY CONNECT, AND PATCH



AWS Systems Manager

Amazon EC2 Windows instances

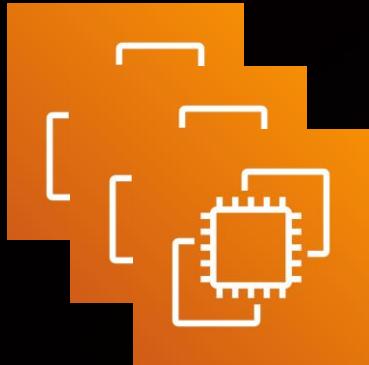
AWS Systems Manager is used to:

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**

Module 3: Amazon CloudWatch

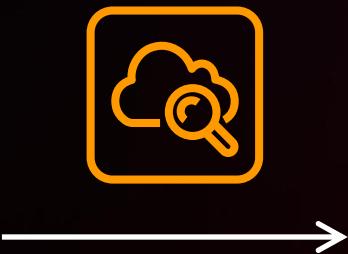
QUERY AND GRAPH METRICS, AGGREGATE LOGS, AND SET UP ALERTING



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:

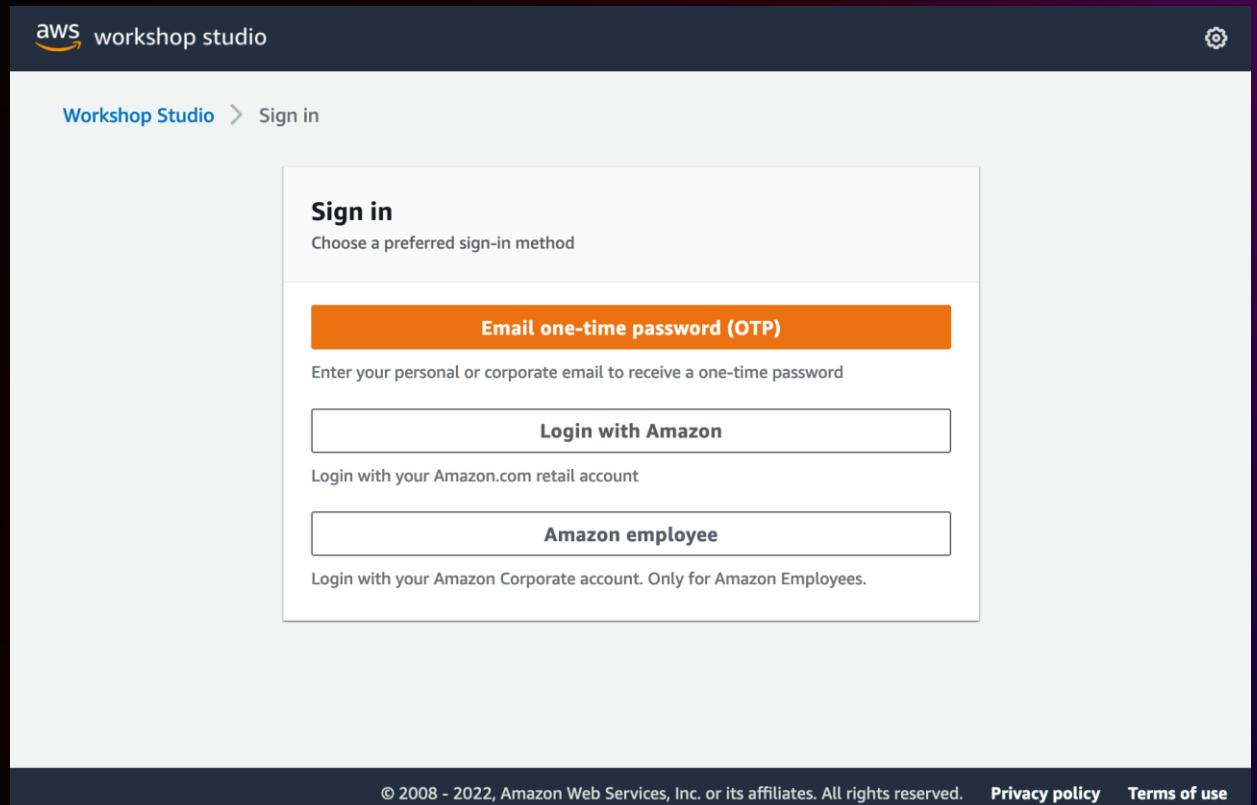
1. Collect metrics and logs from Amazon EC2 Windows instances
2. Query and graph metrics
3. Create metrics from logs
4. Set up alarms

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

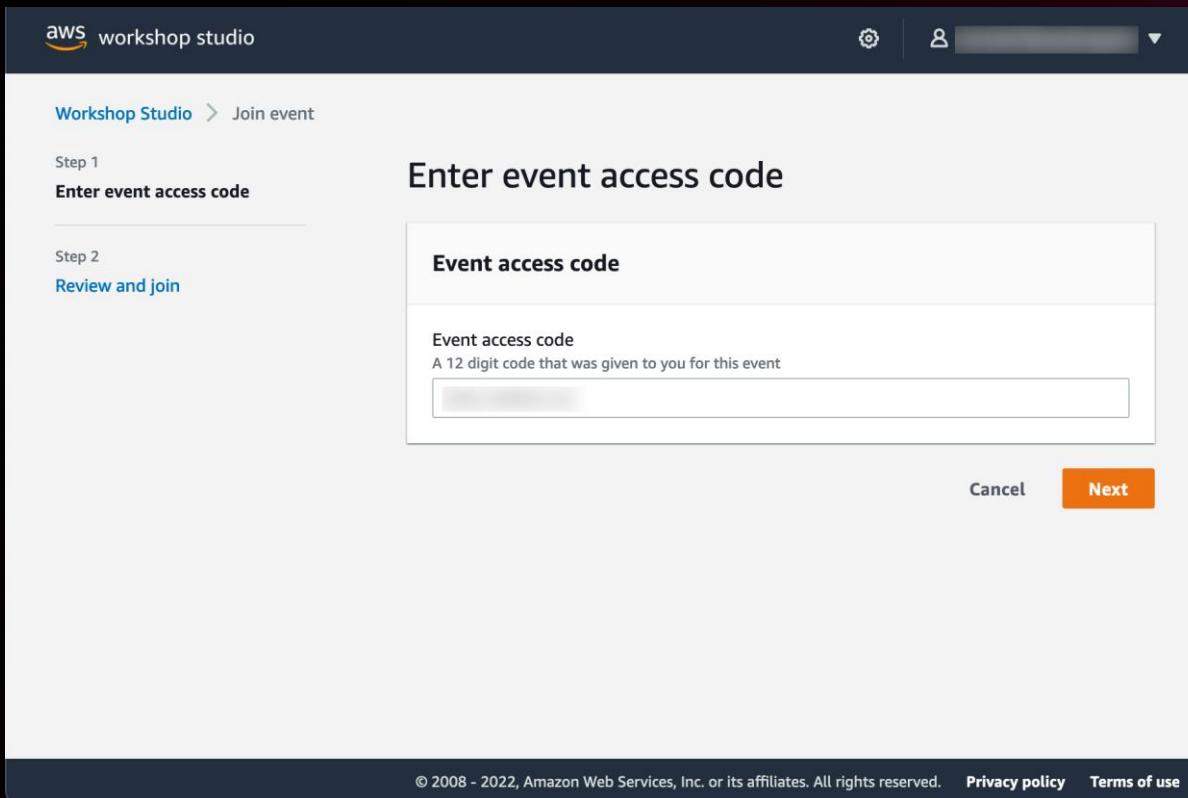
Step 1: Sign-in using your preferred method

<https://s12d.com/ENT305R>

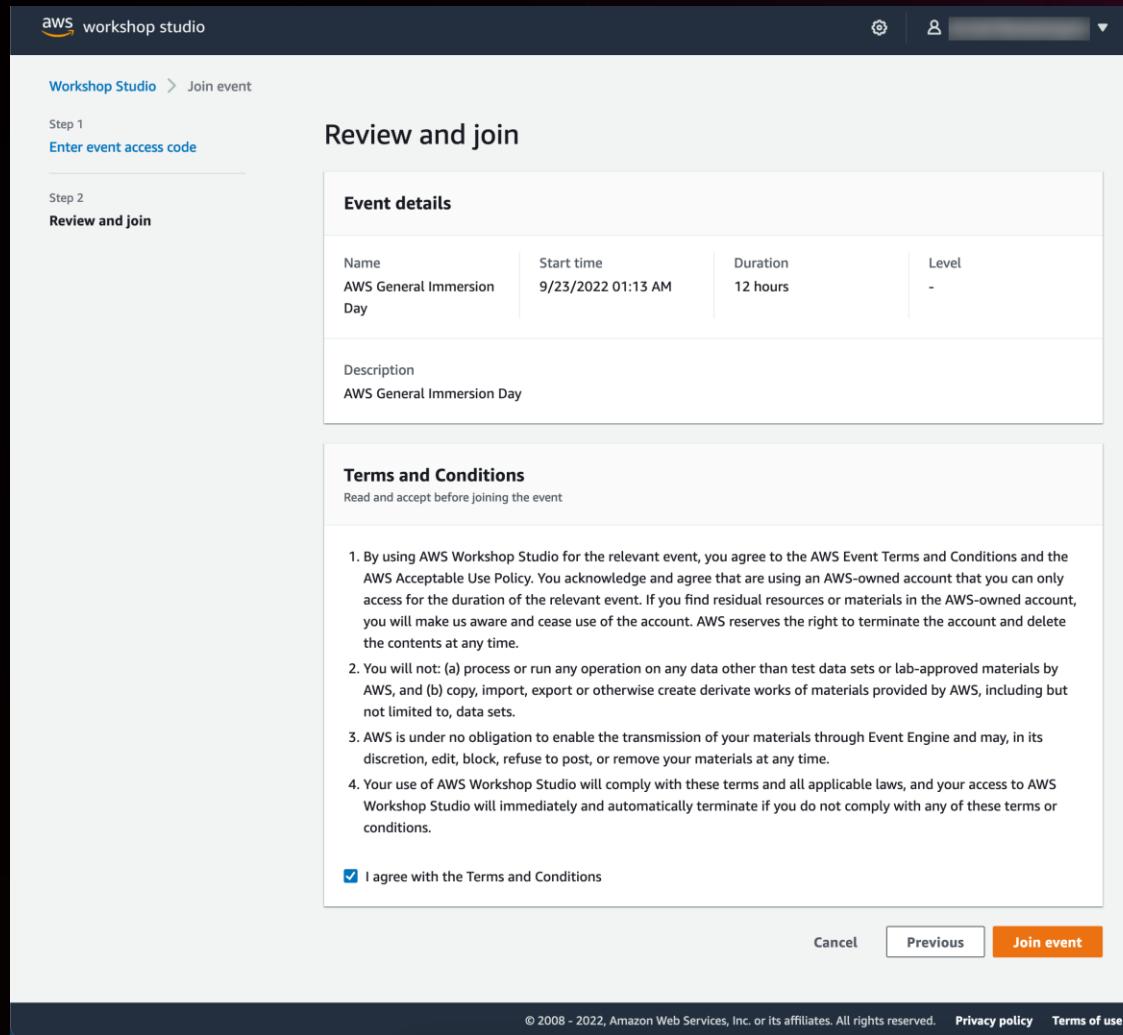


Step 2: Enter the event access code

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



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.

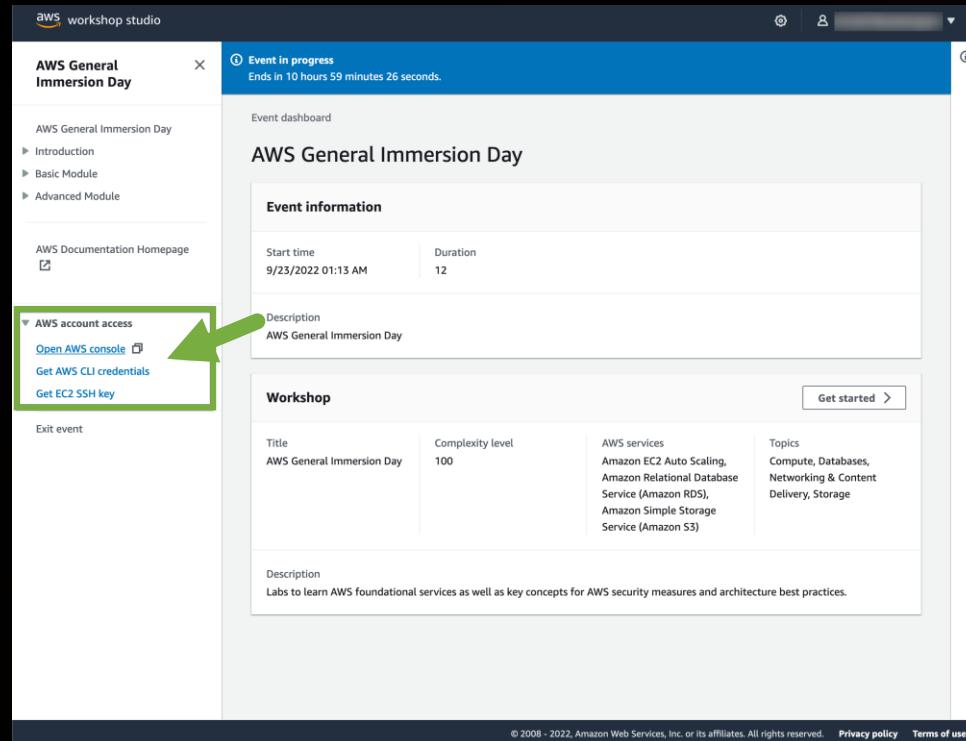
I agree with the Terms and Conditions

Cancel Previous Join event

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Step 4: Access the AWS account

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



AWS General Immersion Day

Event in progress
Ends in 10 hours 59 minutes 26 seconds.

Event dashboard

AWS General Immersion Day

Event information

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

Description: AWS General Immersion Day

Workshop

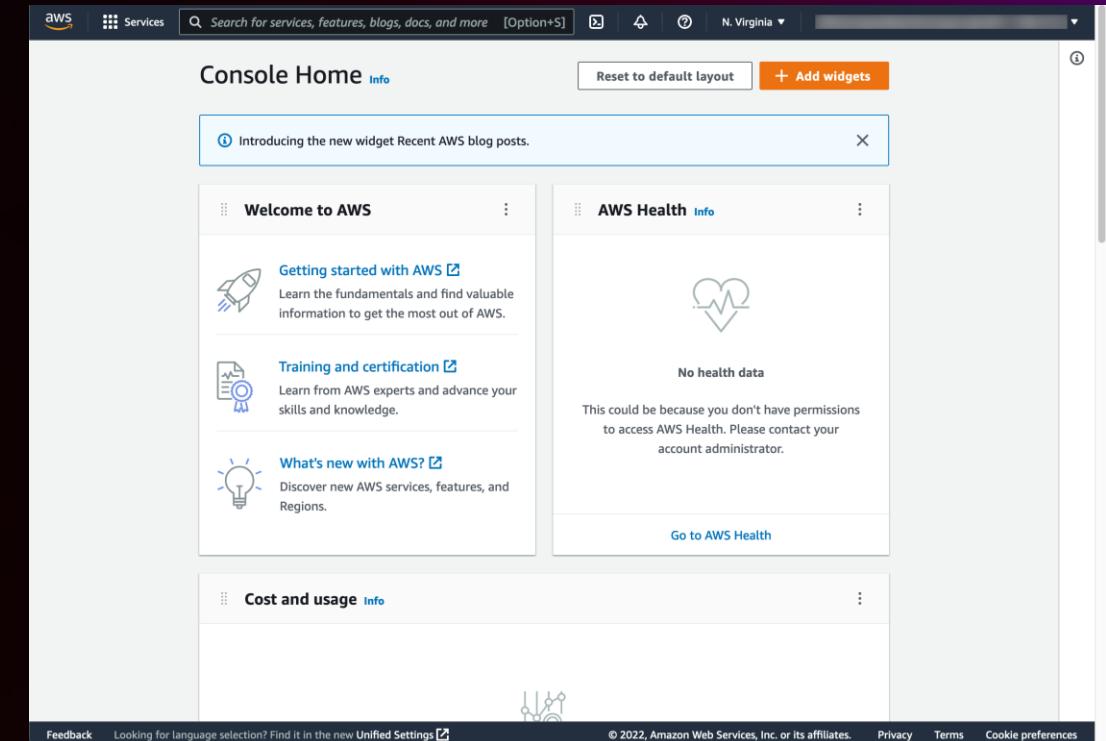
Title: AWS General Immersion Day	Complexity level: 100	AWS services: Amazon EC2 Auto Scaling, Amazon Relational Database Service (Amazon RDS), Amazon Simple Storage Service (Amazon S3)	Topics: Compute, Databases, Networking & Content Delivery, Storage
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Description: Labs to learn AWS foundational services as well as key concepts for AWS security measures and architecture best practices.

AWS account access

- Open AWS console
- Get AWS CLI credentials
- Get EC2 SSH key

Exit event



Console Home

Introducing the new widget Recent AWS blog posts.

Welcome to AWS

- Getting started with AWS
- Training and certification
- What's new with AWS?

AWS Health

No health data

This could be because you don't have permissions to access AWS Health. Please contact your account administrator.

Go to AWS Health

Cost and usage



Step 5: Get started with the workshop

AWS workshop studio

AWS General Immersion Day

Event in progress
Ends in 10 hours 59 minutes 26 seconds.

Event dashboard

AWS General Immersion Day

Event information

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

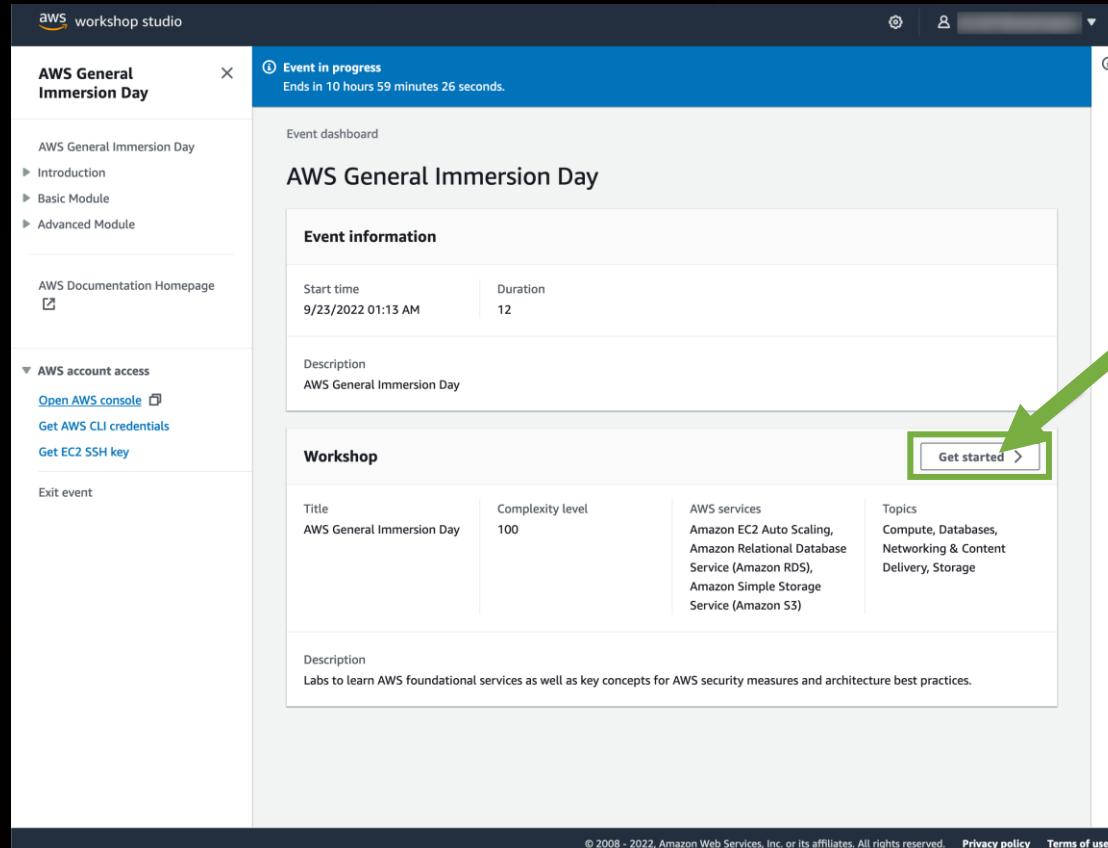
Description
AWS General Immersion Day

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 >



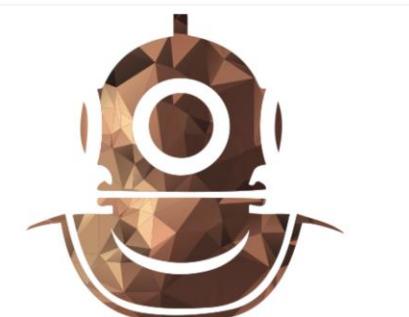
AWS workshop studio

AWS General Immersion Day

Event in progress
Ends in 10 hours 57 minutes 12 seconds.

Event dashboard > AWS General Immersion Day

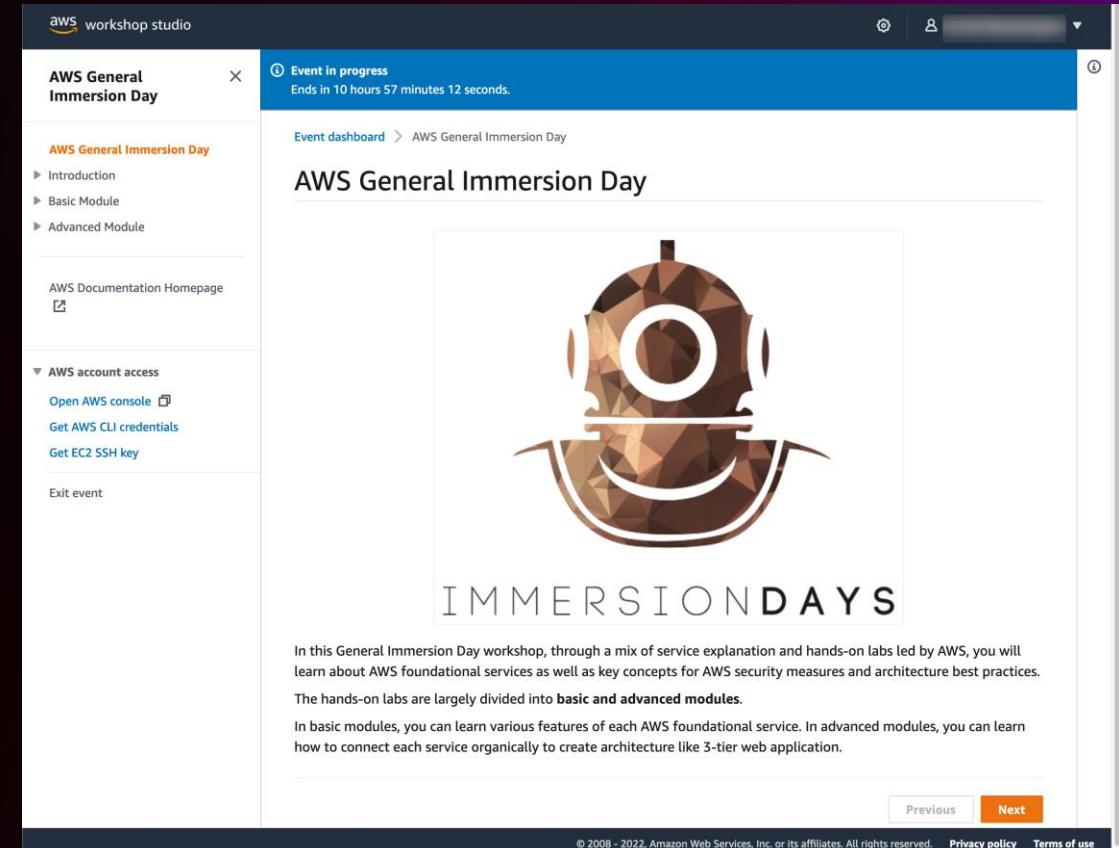
AWS General Immersion Day



IMMERSION DAYS

In this General Immersion Day workshop, through a mix of service explanation and hands-on labs led by AWS, you will learn about AWS foundational services as well as key concepts for AWS security measures and architecture best practices. The hands-on labs are largely divided into **basic** and **advanced** modules. In basic modules, you can learn various features of each AWS foundational service. In advanced modules, you can learn how to connect each service organically to create architecture like 3-tier web application.

Previous Next



Thank you!

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