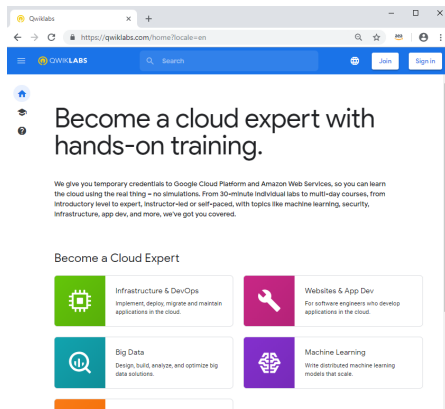
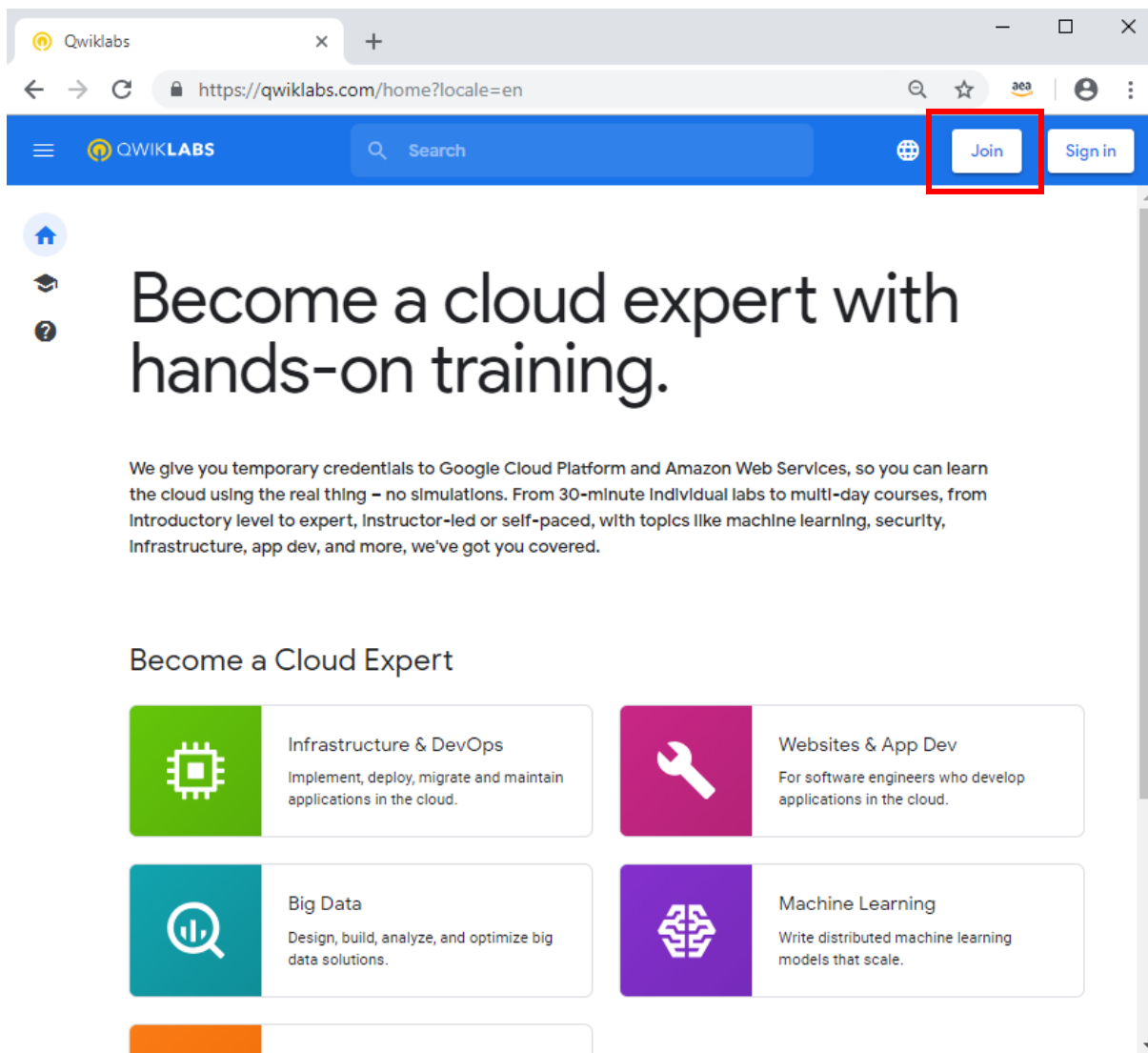


Navigate to [amazon.qwiklabs.com](https://amazon.qwiklabs.com)

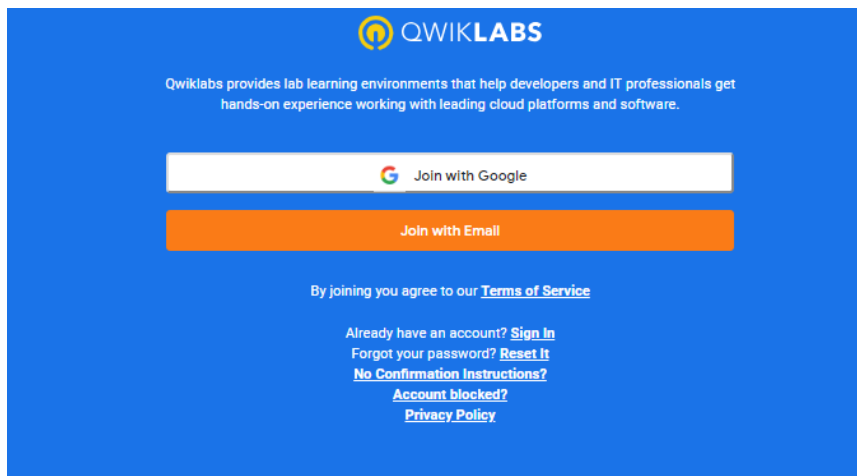
Using Qwiklabs requires a valid e-mail address to get started.



1. If you are new to Qwiklabs click **Join** from the top right of the home page.

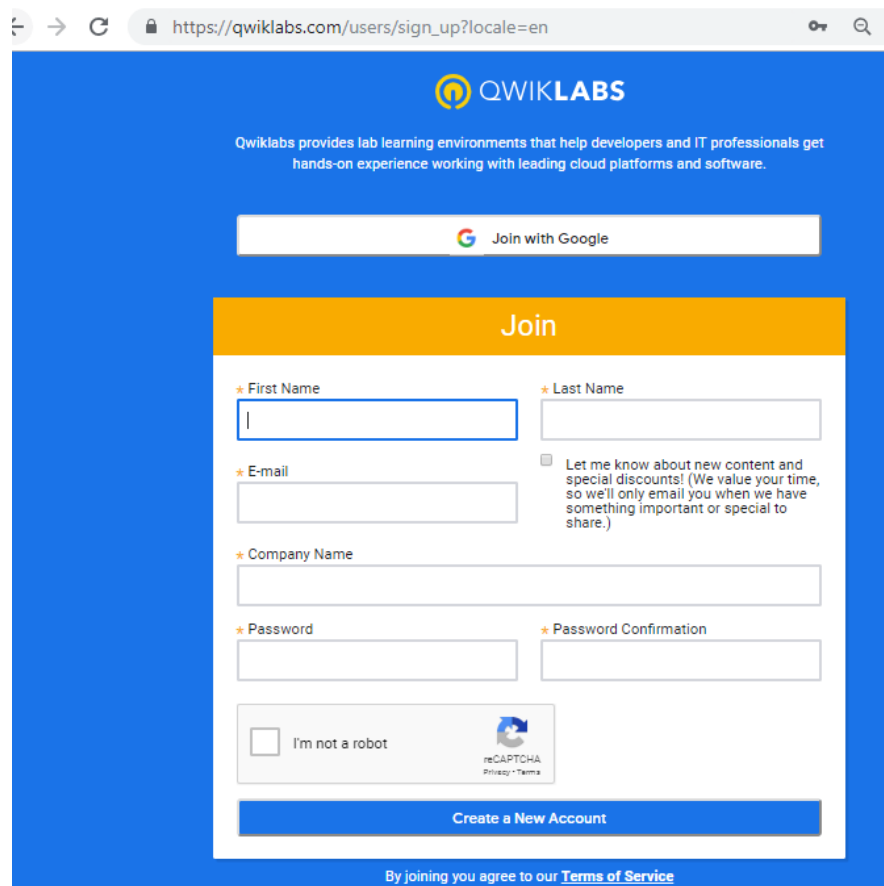


2. You are prompted to either join with an email address or a Google account.



The image shows the QwikLabs sign-up page. At the top is the QwikLabs logo. Below it is a description: "Qwiklabs provides lab learning environments that help developers and IT professionals get hands-on experience working with leading cloud platforms and software." There are two main buttons: "Join with Google" (white with a Google logo) and "Join with Email" (orange). Below these buttons, it says "By joining you agree to our [Terms of Service](#)". At the bottom, there are links for "Already have an account? [Sign In](#)", "Forgot your password? [Reset It](#)", "[No Confirmation Instructions?](#)", "[Account blocked?](#)", and "[Privacy Policy](#)".

3. If you choose **Join with Email** you must complete the form below and QwikLabs will send credentials to your email account where you must activate your account. Once that is done, you can return to Qwiklabs to sign in with your new user account. If you choose **Join with Google** you will be authenticated using your Google credentials.




The image shows the QwikLabs sign-up form. At the top is the QwikLabs logo. Below it is a description: "Qwiklabs provides lab learning environments that help developers and IT professionals get hands-on experience working with leading cloud platforms and software." There are two main buttons: "Join with Google" (white with a Google logo) and "Join" (orange). Below the "Join" button, there is a form with the following fields: "First Name", "Last Name", "E-mail", "Company Name", "Password", and "Password Confirmation". There is also a checkbox for "Let me know about new content and special discounts! (We value your time, so we'll only email you when we have something important or special to share.)". At the bottom of the form, there is a checkbox for "I'm not a robot" and a reCAPTCHA logo. Below the form is a blue button labeled "Create a New Account". At the very bottom, it says "By joining you agree to our [Terms of Service](#)".

4. Return to the Qwiklabs.com homepage and once you sign-on, the home page will display a welcome screen featuring your name.

## Welcome, Curtis!

We give you temporary credentials to Google Cloud Platform and Amazon Web Services, so you can learn the cloud using the real thing – no simulations. From 30-minute individual labs to multi-day courses, from introductory level to expert, instructor-led or self-paced, with topics like machine learning, security, infrastructure, app dev, and more, we've got you covered.



### In Progress



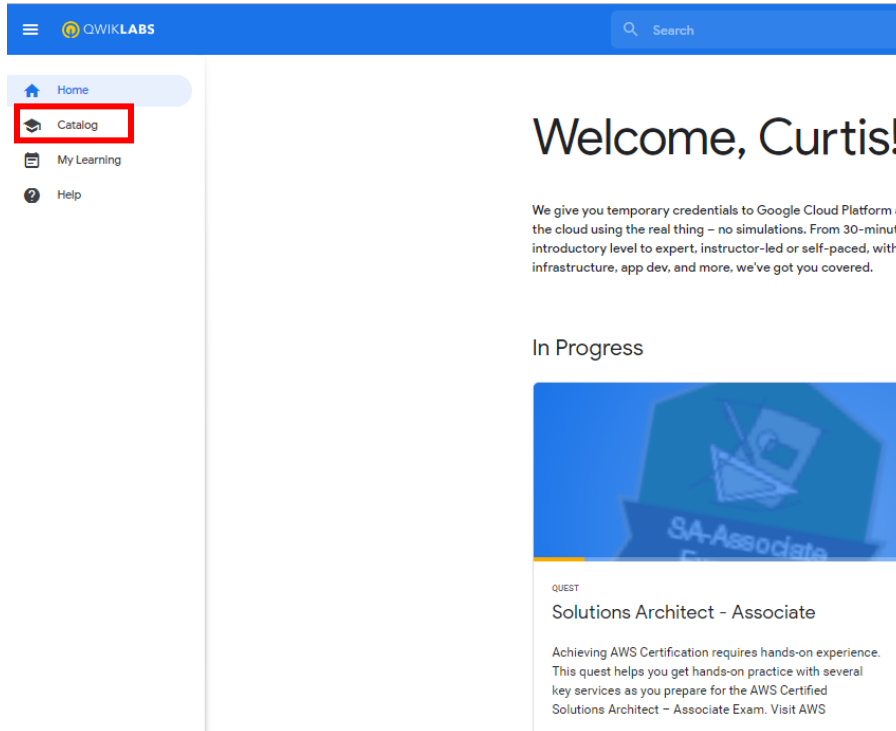
**QUEST**  
**Solutions Architect - Associate**

Achieving AWS Certification requires hands-on experience. This quest helps you get hands-on practice with several key services as you prepare for the AWS Certified Solutions Architect – Associate Exam. Visit AWS

### Become a Cloud Expert

	<b>Infrastructure &amp; DevOps</b> Implement, deploy, migrate and maintain applications in the cloud.		<b>Websites &amp; App Dev</b> For software engineers who dev.
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5. To view the entire catalog of self-paced labs, click **Catalog** from the left menu. A catalog search button is also available at the bottom of the page.



6. On the Catalog page, you can filter by several attributes including displaying free labs only. Choose a lab and click the link to begin.

23 results

Sort by: Relevance

HANDS-ON LAB

### Introduction to Amazon DynamoDB

This lab teaches you about Amazon DynamoDB and walks you through how to create, query, view and delete a table in the AWS Management Console. For a demonstration, go to: <https://www.youtube.com/watch?v=ujWV3-m1pLo> For the lab to function as written, please DO NOT change the auto assigned region.

★★★★☆ 40m Introductory Free

HANDS-ON LAB

### Introduction to Amazon Simple Storage Service (S3)

This lab demonstrates how to use an Amazon S3 bucket and manage files, or object, that are stored in the bucket. You will practice how to create a bucket, add an object, view an object, move an object, and delete an object and bucket in the AWS Management Console.

★★★★☆ 45m Introductory Free

HANDS-ON LAB

### Introduction to Amazon Machine Learning

In this lab, you will generate an Amazon Machine Learning model, test and shape the ML model and then try real-time predictions. To successfully complete this lab, you should be familiar with the Amazon S3 service. You should understand the concepts of bucket and object, and how to perform put and get operations on objects in an S3 bucket using the S3 console or AWS CLI. You should have at least taken the lab "Introduction to Amazon Simple Storage Service (S3)". For the lab to function as written, please DO NOT change the auto assigned region.

★★★★☆ 55m Introductory Free

HANDS-ON LAB

### Exploring Google Ngrams with Amazon EMR

This lab demonstrates how to launch an Amazon Elastic MapReduce (EMR) cluster for Big Data processing and use Hive with SQL-style queries to analyze data. You will create a Hadoop cluster using Amazon EMR which will allow to run interactive Hive queries against data stored in Amazon S3. You will use Hive to normalize the data in a more useful way, and you will run queries to analyze the data.

★★★★☆ 1h 55m Expert Free

HANDS-ON LAB

### Introduction to AWS Identity and Access Management (IAM)

This lab shows you how to manage access and permissions to your AWS services using AWS Identity and Access Management (IAM). Practice the steps to add users to groups, manage passwords, log in with IAM-created users, and see the effects of IAM policies on access to specific services.

★★★★☆ 45m Introductory Free

#### Filter

##### Cloud Environment (1)

- ☐ Any cloud environment
- ☐ Google Cloud Platform
- ☒ Amazon Web Services

##### Format (1)

- ☐ Any format
- ☒ Hands-On Lab
- ☐ Quest
- ☐ Course

##### Level

##### Duration

##### Price (1)

- ☐ Any price
- ☒ Free
- ☐ 1-5 credits
- ☐ 6-10 credits
- ☐ 11-25 credits
- ☐ More than 25 credits

##### Modality

##### Language

7. Once you choose a lab, the lab page will display an overview of the lab and the time allotted before it shuts down automatically. You can also scroll through the lab guide to read through all of the instructions.

[← Introduction to AWS Lambda](#)

45m access · 30m completion

★★★★☆ [Rate Lab](#) [Lab Details](#)

Connection Details

[Open Console](#)

Warning: Do not transmit data into the AWS Console that is not related to Qwiklabs or the lab you are taking.

aws training and certification

Introduction to AWS Lambda

SPL-88 Version 2.2.7

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Start Lab

Free ⓘ

00:45:00

Overview

Start Lab

Scenario

Task 1: Create the Amazon S3 Buckets

Task 2: Create an AWS Lambda Function

Task 3: Test Your Function

Task 4: Monitoring and Logging

Conclusion

End Lab

8. Click **Start Lab** to begin the lab and Qwiklabs loads the AWS resources in the background. Depending on the lab, you may see a progress bar tracking the loading time.

Introduction to AWS Lambda

45m access · 30m completion

Rate Lab

Lab Details

Connection Details

Open Console

Warning: Do not transmit data into the AWS Console that is not related to Qwiklabs or the lab you are taking.

aws

training and certification

Introduction to AWS Lambda

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Errors or corrections? Email us at [aws-course-feedback@amazon.com](mailto:aws-course-feedback@amazon.com).

Lab Setting Up

End Lab

Free

00:44:51

Overview

Start Lab

Scenario

Task 1: Create the Amazon S3 Buckets

Task 2: Create an AWS Lambda Function

Task 3: Test Your Function

Task 4: Monitoring and Logging

Conclusion

End Lab

9. Before clicking **Open Console** make sure you have signed out of your personal AWS account. Click **Open Console** to launch the AWS console in a new browser tab which generates a temporary aws account.

The screenshot shows the AWS Training and Certification lab interface. At the top, a blue header bar contains a menu icon, a back arrow, the title "Introduction to AWS Lambda", and a heart icon. Below the header, a progress bar indicates "45m access · 30m completion". To the left of the main content area is a sidebar with a "Connection Details" button highlighted by a red rectangle. Below this button is an "Open Console" button and a warning message: "Warning: Do not transmit data into the AWS Console that is not related to Qwiklabs or the lab you are taking." The main content area features the AWS logo and the text "aws training and certification". Below this is the title "Introduction to AWS Lambda" in a large font. Underneath the title is the version "SPL-88 Version 2.2.7" and a copyright notice: "© 2018 Amazon Web Services, Inc. and its affiliates. All rights reserved. This work may not be reproduced or redistributed, in whole or in part, without prior written permission from Amazon Web Services, Inc. Commercial copying, lending, or selling is prohibited." At the bottom of the main content area, it says "Errors or corrections? Email us at [aws-course-feedback@amazon.com](mailto:aws-course-feedback@amazon.com)". To the right of the main content area is a sidebar with an "Overview" section containing a list of tasks: "Start Lab", "Scenario", "Task 1: Create the Amazon S3 Buckets", "Task 2: Create an AWS Lambda Function", "Task 3: Test Your Function", "Task 4: Monitoring and Logging", "Conclusion", and "End Lab". At the top right of the interface, there is a timer showing "00:44:51" and a "Free" label.

The screenshot shows the AWS Management Console home page. At the top, a dark blue header bar contains the AWS logo, "Services", "Resource Groups", a star icon, a bell icon, a user profile dropdown menu showing "morcurt @ 5920-2855-0529" (highlighted with a red rectangle), and the region "Oregon". Below the header bar is a section titled "AWS services" with a search bar containing the text "Find a service by name or feature (for example, EC2, S3 or VM, storage)". Below the search bar is a section titled "Recently visited services" with a list of services: "Lambda", "DynamoDB", "API Gateway", "Simple Queue Service", and "Systems Manager". Below this list is a link to "All services". To the right of the "AWS services" section is a "Helpful tips" section with two tips: "Manage your reservations" and "Create an AWS Org based managed accounts". Below the "Helpful tips" section is a "Build a solution" section with the text "Get started with simple wizards and automated workflows." At the bottom right of the page is a link to "Explore AWS".

10. Read and follow the step-by-step instructions carefully as you perform your lab tasks within the AWS console. Often, users run into problems by simply not reading carefully.



## Task 1: Create the Amazon S3 Buckets

In this task, you will create two Amazon S3 buckets – one for input and one for output.

3. In the **AWS Management Console**, on the **Services** menu, click **S3**.

4. Click **+ Create bucket** then configure:

- **Bucket name:** `images-NUMBER`
- Replace **NUMBER** with a random number
- Copy the name of your bucket to a text editor
- Click **Create**

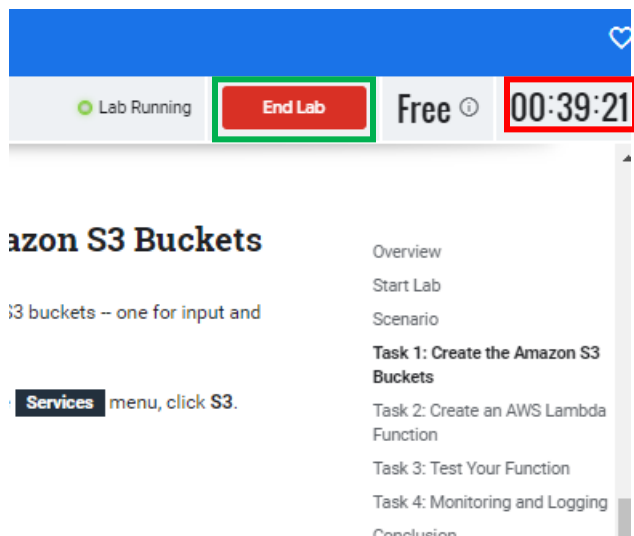
Every bucket in Amazon S3 requires a unique name such as *images-34523452345*.

🗨 If you receive an error stating **The requested bucket name is not available**, then click the first **Edit** link, change the bucket name and try again until it works.

You will now create another bucket for output.

5. Click **+ Create bucket** then configure:

11. Once the student has finished all lab tasks click the **End Lab** button. This will delete all AWS resources. If the allotted time runs out before the student has completed their lab, the lab will shut down and delete all resources and accounts.



12. That's it. Labs that are not free require credits. A student can buy credits by clicking on their account settings in the top right corner.

