



# AWS Los Angeles Learning Days

## Intelligent Document Processing Workshop

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# Agenda

- Intelligent document processing on Amazon Web Services (AWS)
- Architecture overview
- Let's build a solution together!

# Intelligent Document Processing on AWS



**Speed up business processes**



**Improve decision quality**



**Retain and recall information electronically**



**Reduce overall costs**

# High level workflow

## Data capture



Aggregating and organizing documents from different business workflow(s) within your organization



## Classification



If more than one document type, then classify each document and send to the appropriate document pipeline



## Extraction



Extract key business information



## Enrichment



Getting insights and business value from your data



## Review and validation



Run business rules on your data and/or include human in the loop validation as needed

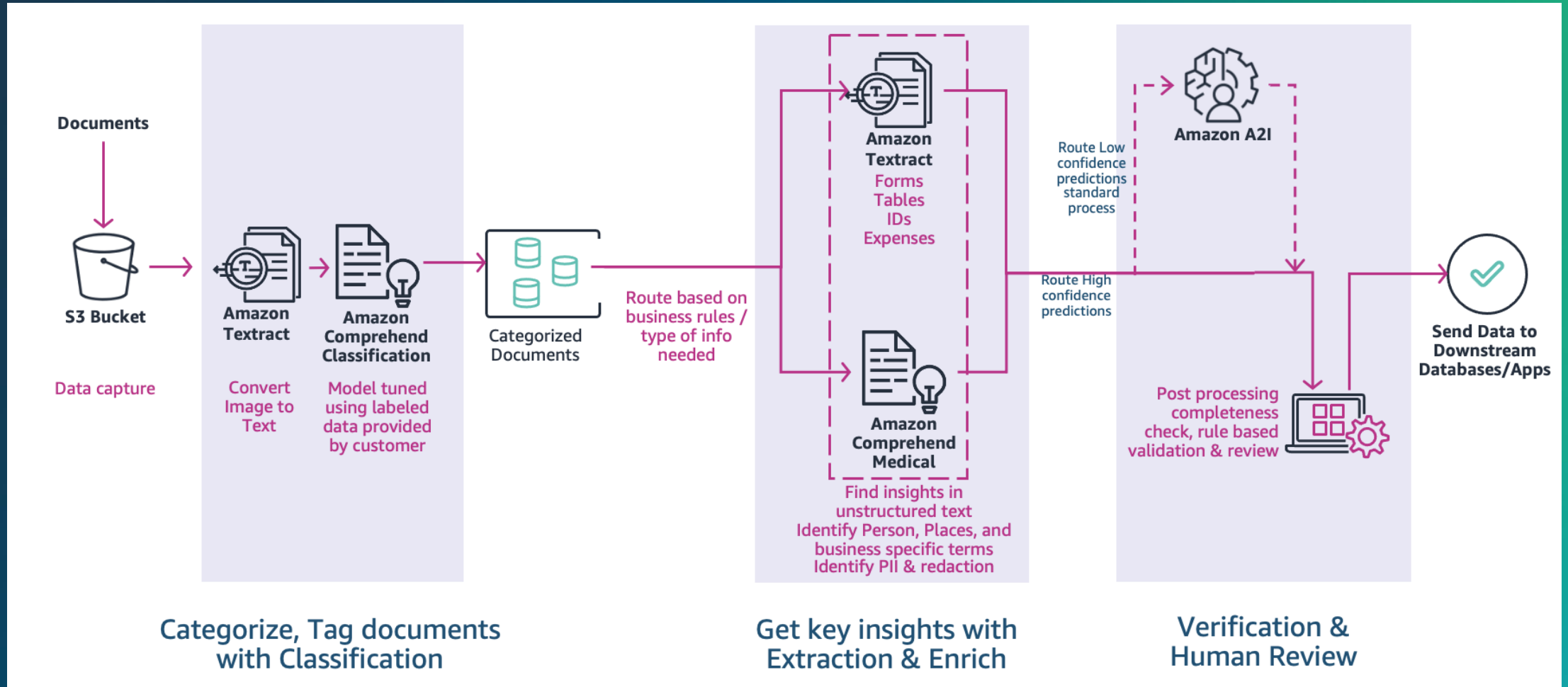


## Consumption



Send information to downstream apps or databases

# High level architecture



# Let's build a solution



# Getting started with this workshop



You have access to an AWS account with any optional pre-provisioned infrastructure and IAM policies needed to complete this workshop.



The AWS account is only available for the duration of this workshop. **You will lose access to the account once the workshop is complete.**



Any optional pre-provisioned infrastructure is deployed to a specific AWS Region. Make sure that you are working in this Region; other Regions are blocked.



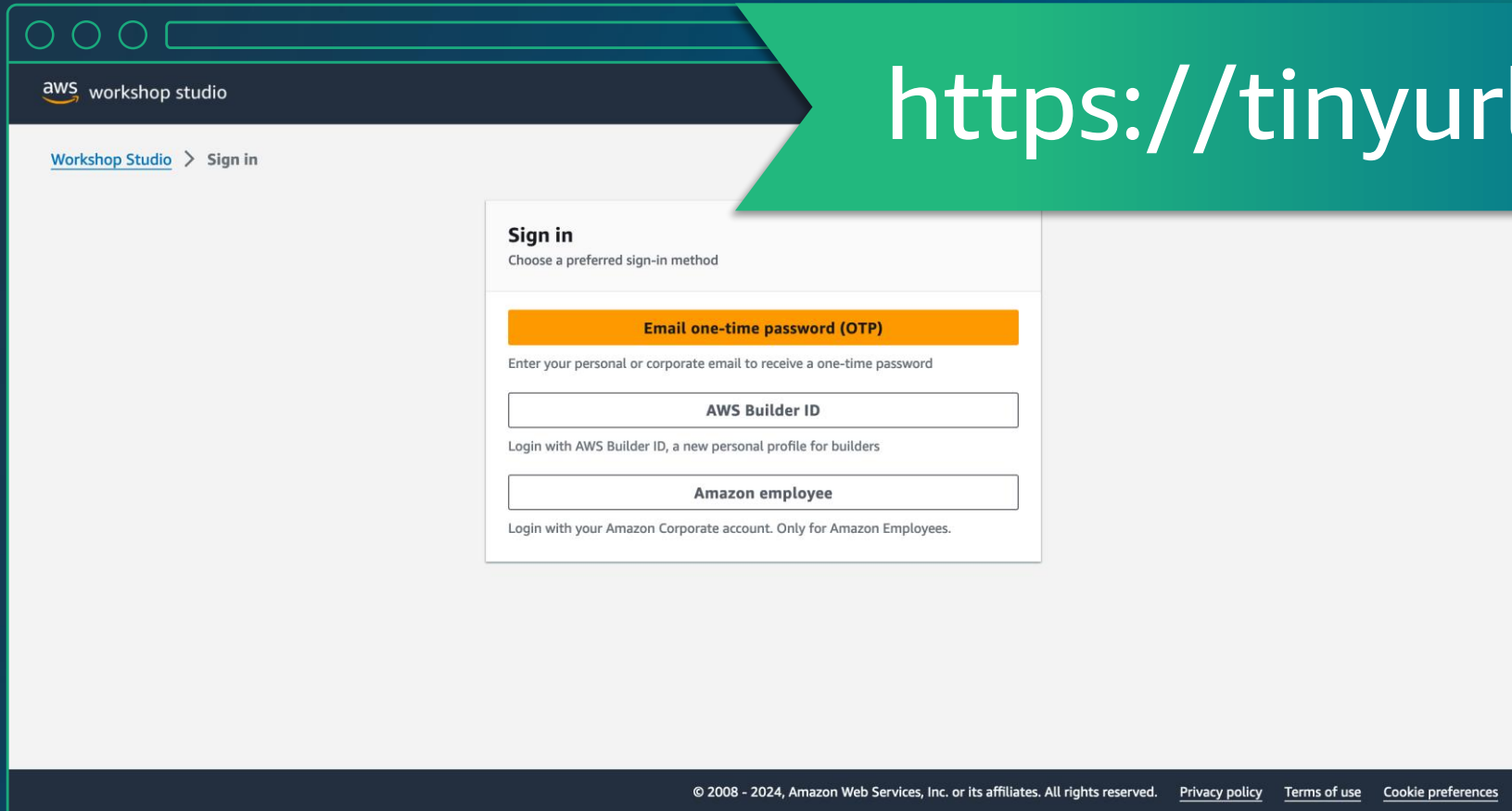
Review the terms and conditions of the event. **Do not upload any personal or confidential information to the account.**

# `https://tinyurl.com/<URL>`





# Step 1: Sign in using 'Email one-time password (OTP)'



The screenshot shows the AWS Workshop Studio sign-in interface. At the top, there's a header with the AWS logo and 'workshop studio'. Below it, a breadcrumb trail shows 'Workshop Studio > Sign in'. The main content area is titled 'Sign in' with the instruction 'Choose a preferred sign-in method'. There are two main options: 'Email one-time password (OTP)' (highlighted in orange) and 'AWS Builder ID'. The 'Email one-time password (OTP)' option includes the text 'Enter your personal or corporate email to receive a one-time password' and a text input field. The 'AWS Builder ID' option includes the text 'Login with AWS Builder ID, a new personal profile for builders' and a text input field. The 'Amazon employee' option includes the text 'Login with your Amazon Corporate account. Only for Amazon Employees.' and a text input field. At the bottom, there's a footer with copyright information and links for 'Privacy policy', 'Terms of use', and 'Cookie preferences'.

aws workshop studio

Workshop Studio > Sign in

**Sign in**  
Choose a preferred sign-in method

**Email one-time password (OTP)**  
Enter your personal or corporate email to receive a one-time password

AWS Builder ID  
Login with AWS Builder ID, a new personal profile for builders

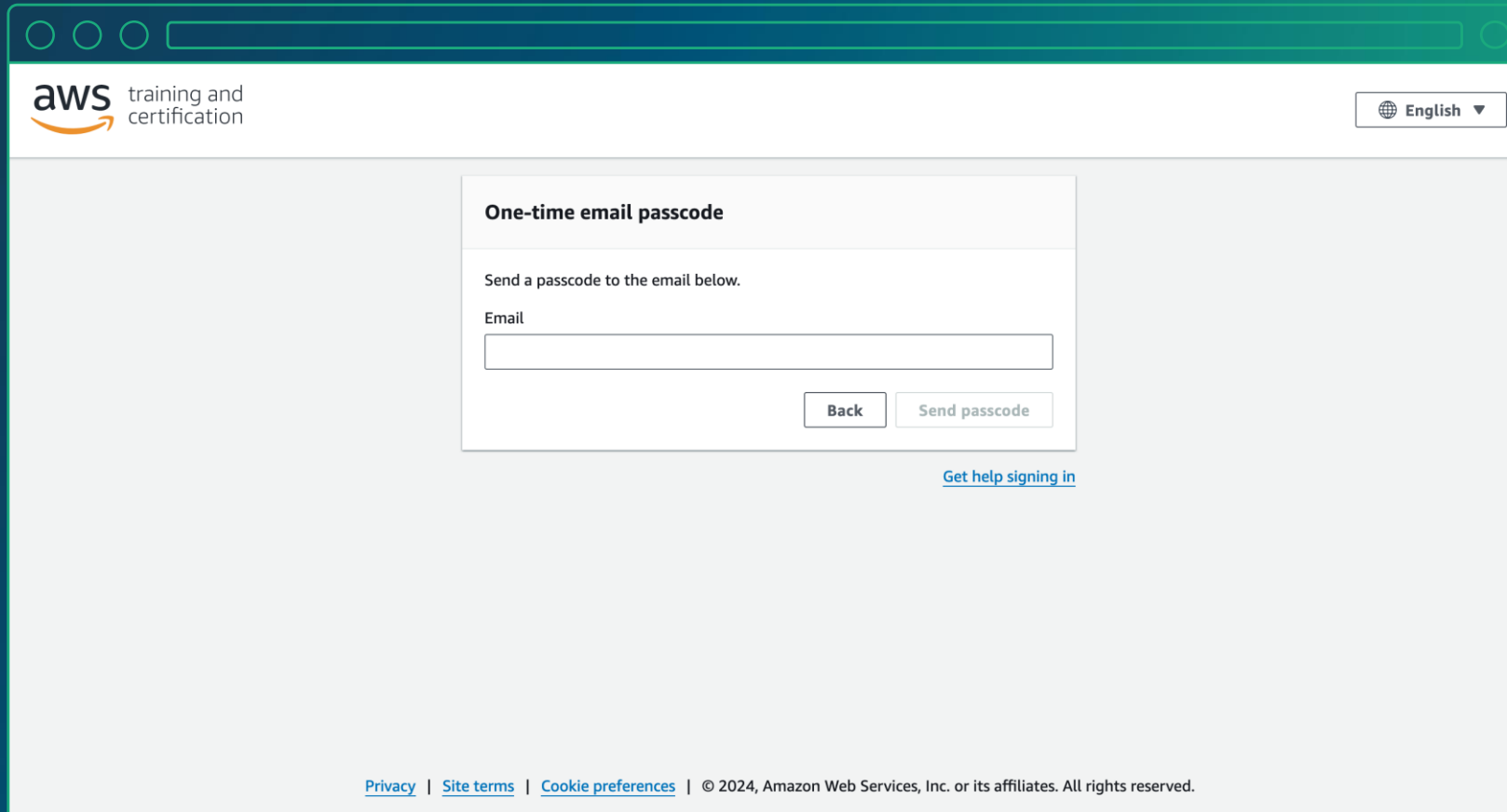
Amazon employee  
Login with your Amazon Corporate account. Only for Amazon Employees.

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<https://tinyurl.com/<URL>>



# Step 2: Enter your email address



The screenshot shows a web browser window with the AWS Training and Certification logo in the top left and a language dropdown set to 'English' in the top right. The main content area is titled 'One-time email passcode' and contains the instruction 'Send a passcode to the email below.' Below this is an 'Email' label and a text input field. At the bottom of the form are 'Back' and 'Send passcode' buttons. A link for 'Get help signing in' is located below the form. The footer contains links for 'Privacy', 'Site terms', and 'Cookie preferences', followed by the copyright notice: '© 2024, Amazon Web Services, Inc. or its affiliates. All rights reserved.'

aws training and certification

English ▼

**One-time email passcode**

Send a passcode to the email below.

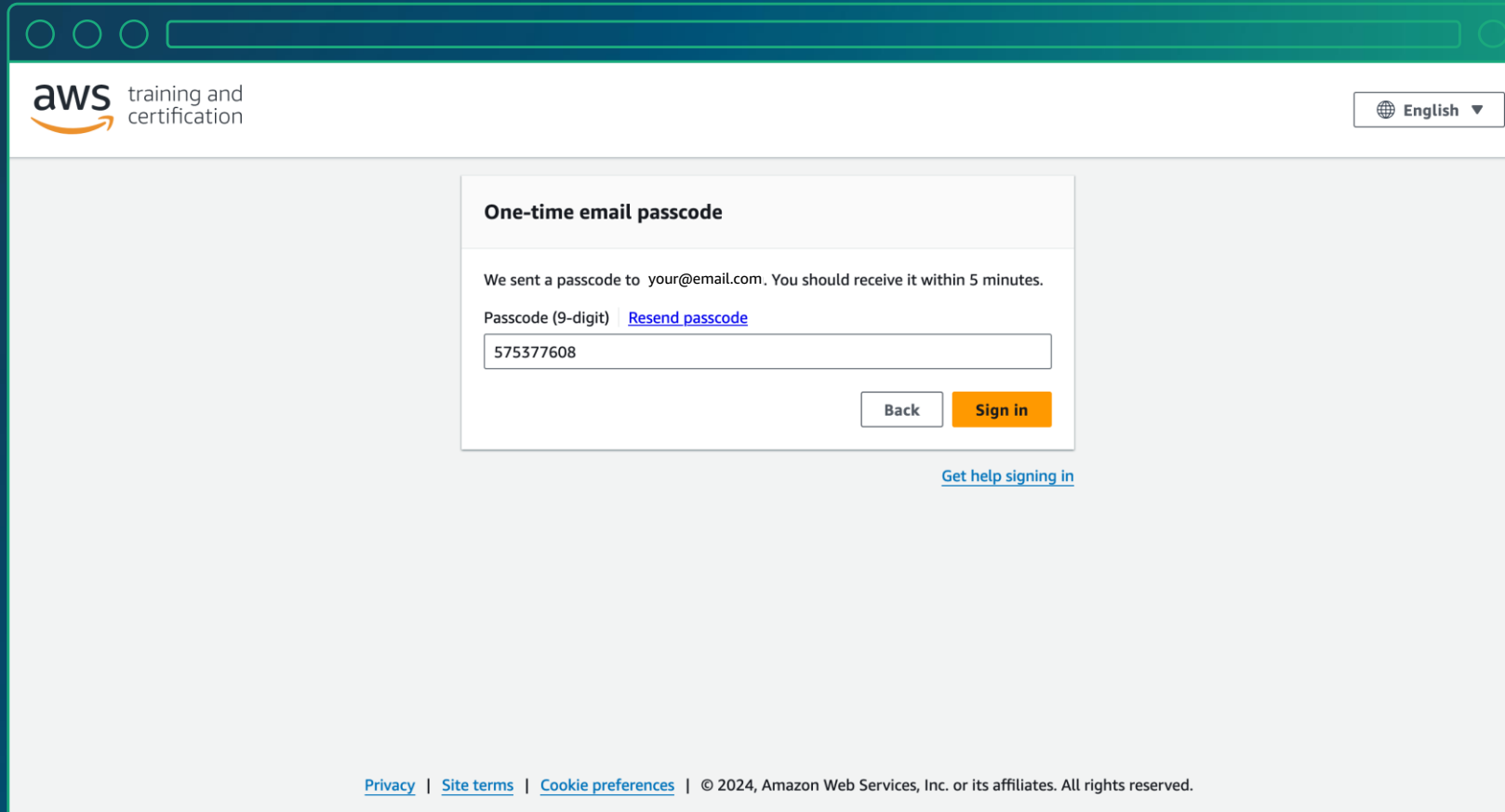
Email

Back Send passcode

[Get help signing in](#)

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# Step 3: Enter your one-time email passcode



The screenshot shows a web browser window with the AWS training and certification logo in the top left and a language dropdown set to English in the top right. The main content area is titled "One-time email passcode". It contains a message: "We sent a passcode to your@email.com. You should receive it within 5 minutes." Below this, it says "Passcode (9-digit)" followed by a blue link "Resend passcode". A text input field contains the passcode "575377608". At the bottom of the form are two buttons: "Back" and "Sign in". Below the form is a blue link "Get help signing in". The footer contains links for "Privacy", "Site terms", and "Cookie preferences", followed by the copyright notice: "© 2024, Amazon Web Services, Inc. or its affiliates. All rights reserved."

aws training and certification

English ▼

### One-time email passcode

We sent a passcode to your@email.com. You should receive it within 5 minutes.

Passcode (9-digit) [Resend passcode](#)

575377608

[Back](#) [Sign in](#)

[Get help signing in](#)

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# Step 4: Enter your event access code

The screenshot shows the AWS Workshop Studio interface. At the top, there's a dark header with the 'aws workshop studio' logo on the left and settings, user, and menu icons on the right. Below the header, a breadcrumb trail reads 'Workshop Studio > Join event'. On the left side, a vertical list of steps is shown: 'Step 1 Enter event access code' (which is the current step), 'Step 2 Review and join', and 'Step 3' (partially visible). The main content area is titled 'Enter event access code'. It contains a white box with the heading 'Event access code' and a sub-label 'Event access code' followed by the text 'A 12 digit code that was given to you for this event'. Below this is a text input field containing the code 'abcd-012345-ef'. At the bottom right of the main area are two buttons: a 'Cancel' button and an orange 'Next' button. The footer of the page contains copyright information: '© 2008 - 2024, Amazon Web Services, Inc. or its affiliates. All rights reserved.' and links to 'Privacy policy', 'Terms of use', and 'Cookie preferences'.

aws workshop studio

Workshop Studio > Join event

Step 1  
Enter event access code

Step 2  
Review and join

## Enter event access code

### Event access code

Event access code  
A 12 digit code that was given to you for this event

Cancel Next

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# Step 5: Review and join

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### Terms and Conditions

Read and accept before joining the event

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](#), the [AWS Responsible AI Policy](#), and the [AWS Acceptable Use Policy](#).
2. If You are under 18 years old, you may participate in the relevant event using AWS Workshop Studio: (a) if You are at least the minimum age below based on the country or region in which You reside, and (b) with the involvement of a parent, guardian, or educator.  
in the AWS-owned account, You agree to review those terms and comply with them during the event.
11. If You are an AWS Partner using AWS Workshop Studio as part of Your participation in the AWS Partner Network Program, Your use of AWS Workshop Studio is governed by these terms, the AWS Partner Network Terms and Conditions, and the AWS Customer Agreement or other agreement with us governing your use of AWS Services.
12. Your use of AWS Workshop Studio will comply with these terms and all applicable laws. If You fail to comply with any of these terms, Your access to AWS Workshop Studio may be immediately terminated, without notice to You.

☒ I agree with the Terms and Conditions

Cancel Previous **Join event**

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# Step 6: Get started with the workshop

The screenshot shows the AWS Workshop Studio interface. The left sidebar contains a navigation menu with items like 'Los Angeles Learning Days - Intelligent Document Processing', 'Intelligent Document Processing with AWS AI Services', and 'Getting Started'. The main content area displays the 'Event dashboard' for 'Intelligent Document Processing with AWS AI Services'. It includes an 'Event information' section with details like 'Start time', 'Duration', and 'Accessible regions'. Below this is a 'Workshop' section with a table listing the workshop details. The 'Get started' button is highlighted with a red box.

Title	Complexity level	AWS services	Topics
Intelligent Document Processing with AWS AI Services [Official]	300	Amazon Augmented AI (A2I), Amazon Comprehend, Amazon Textract	Machine Learning (ML/AI)



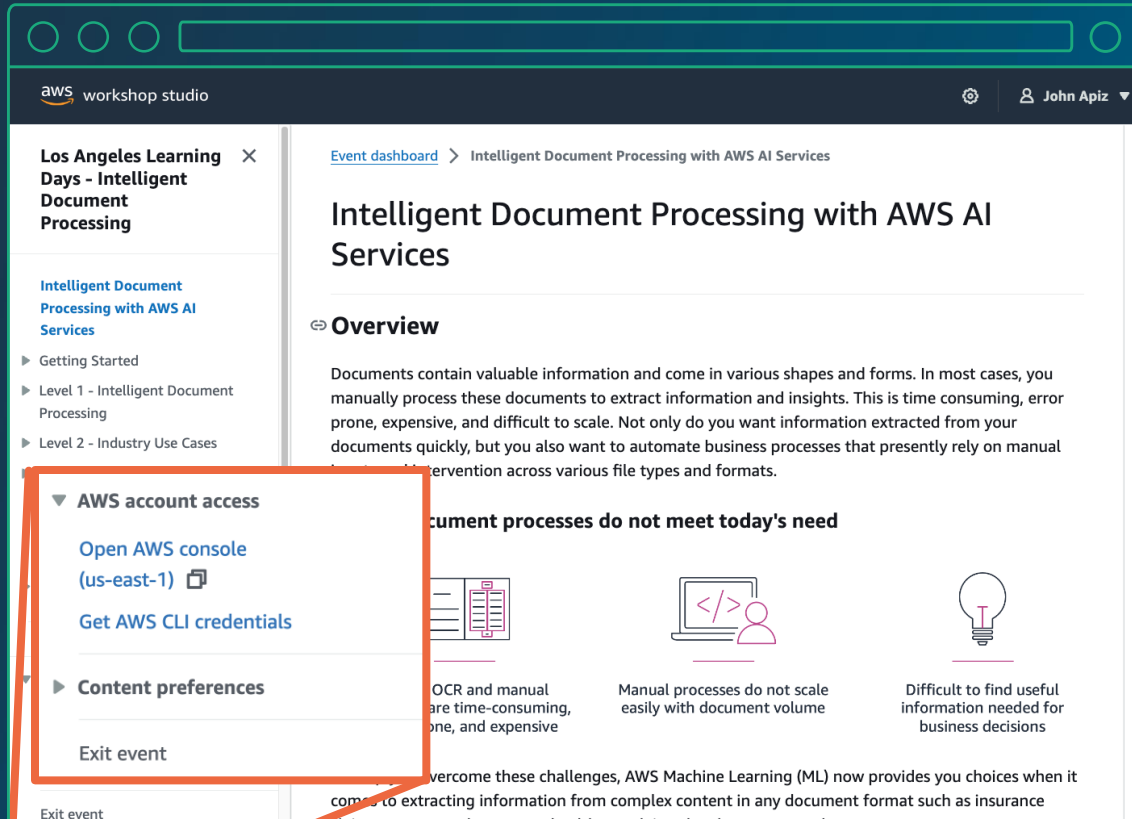
The screenshot shows the AWS Workshop Studio interface, specifically the 'Overview' section. The left sidebar is similar to the previous screenshot. The main content area displays the 'Overview' section for 'Intelligent Document Processing with AWS AI Services'. It includes a paragraph about document processing challenges and a list of icons representing different document types. The 'Overview' section contains text about document processing challenges and a list of icons representing different document types.

**Legacy document processes do not meet today's need**

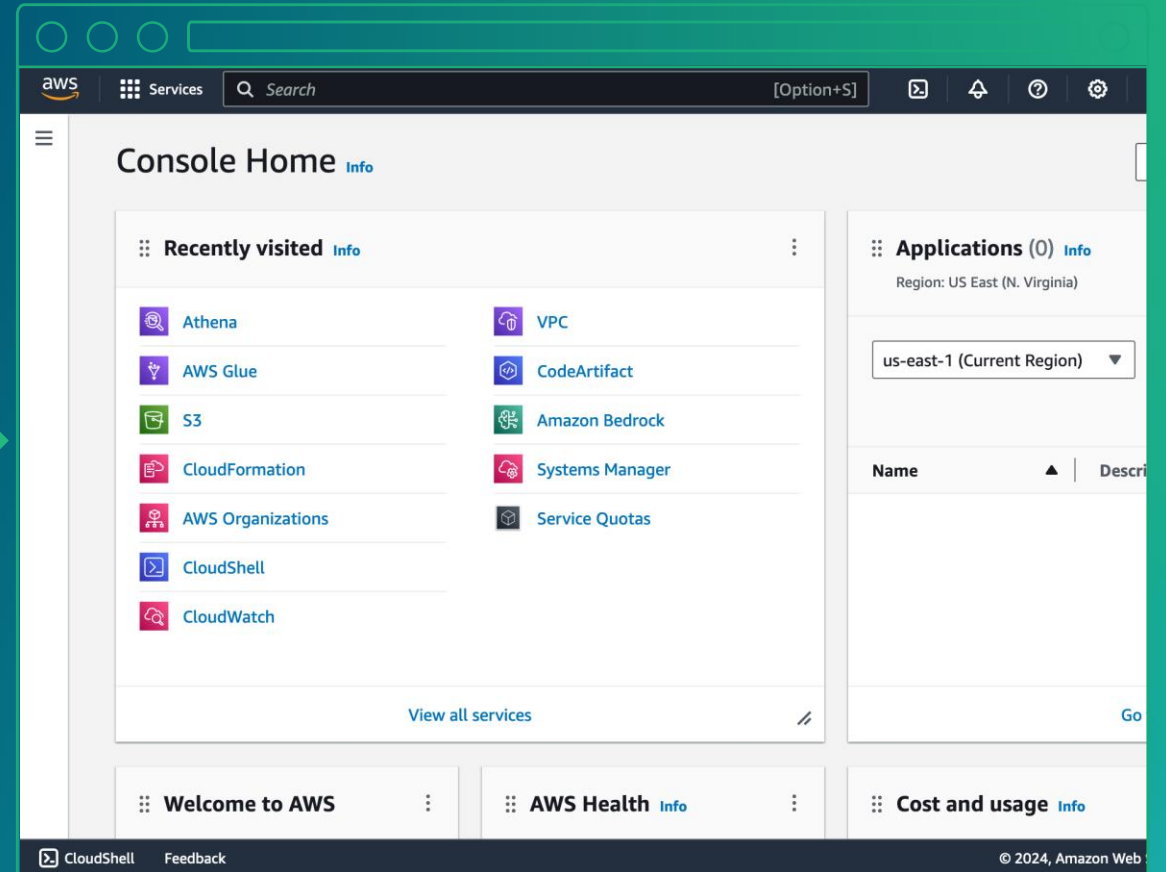
- Legacy OCR and manual processes are time-consuming, error-prone, and expensive
- Manual processes do not scale easily with document volume
- Difficult to find useful information needed for business decisions

To help you overcome these challenges, AWS Machine Learning (ML) now provides you choices when it comes to extracting information from complex content in any document format such as insurance claims, mortgage documents, healthcare claims, legal contracts and **more**.

# Step 7: Access AWS Account



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



# Event access code:







# Thank you!

# Please Provide Your Feedback



Step 1: Select Artificial intelligence and machine learning  
Step 2: Intelligent document processing