

Amazon SageMaker Canvas Workshop

Michael Lin
Sr. Solutions Architect
Amazon Web Services



<https://t.ly/XDKrO>



Sign in

Choose a preferred sign-in method

Email one-time password (OTP)

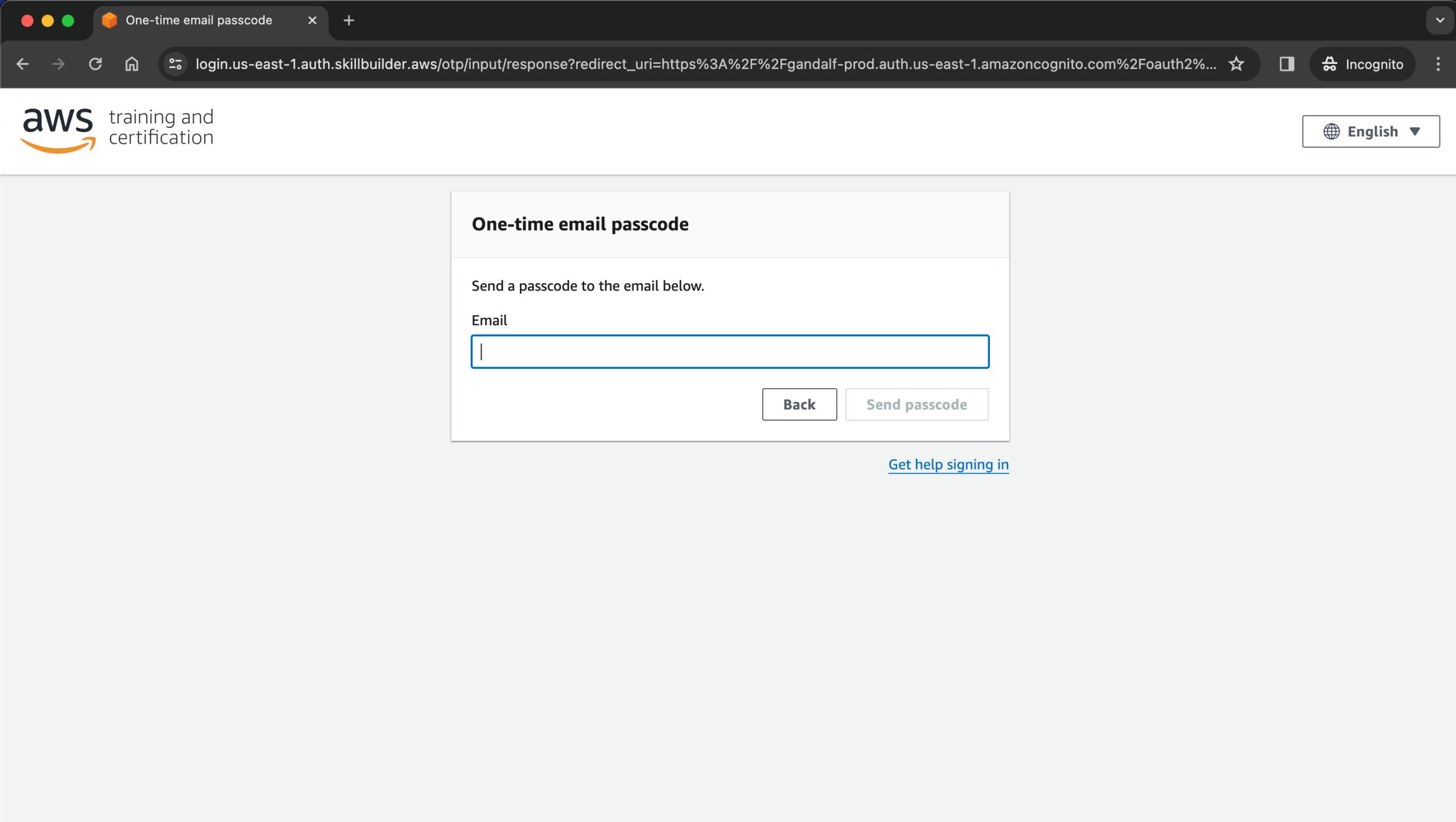
Enter your personal or corporate email to receive a one-time password

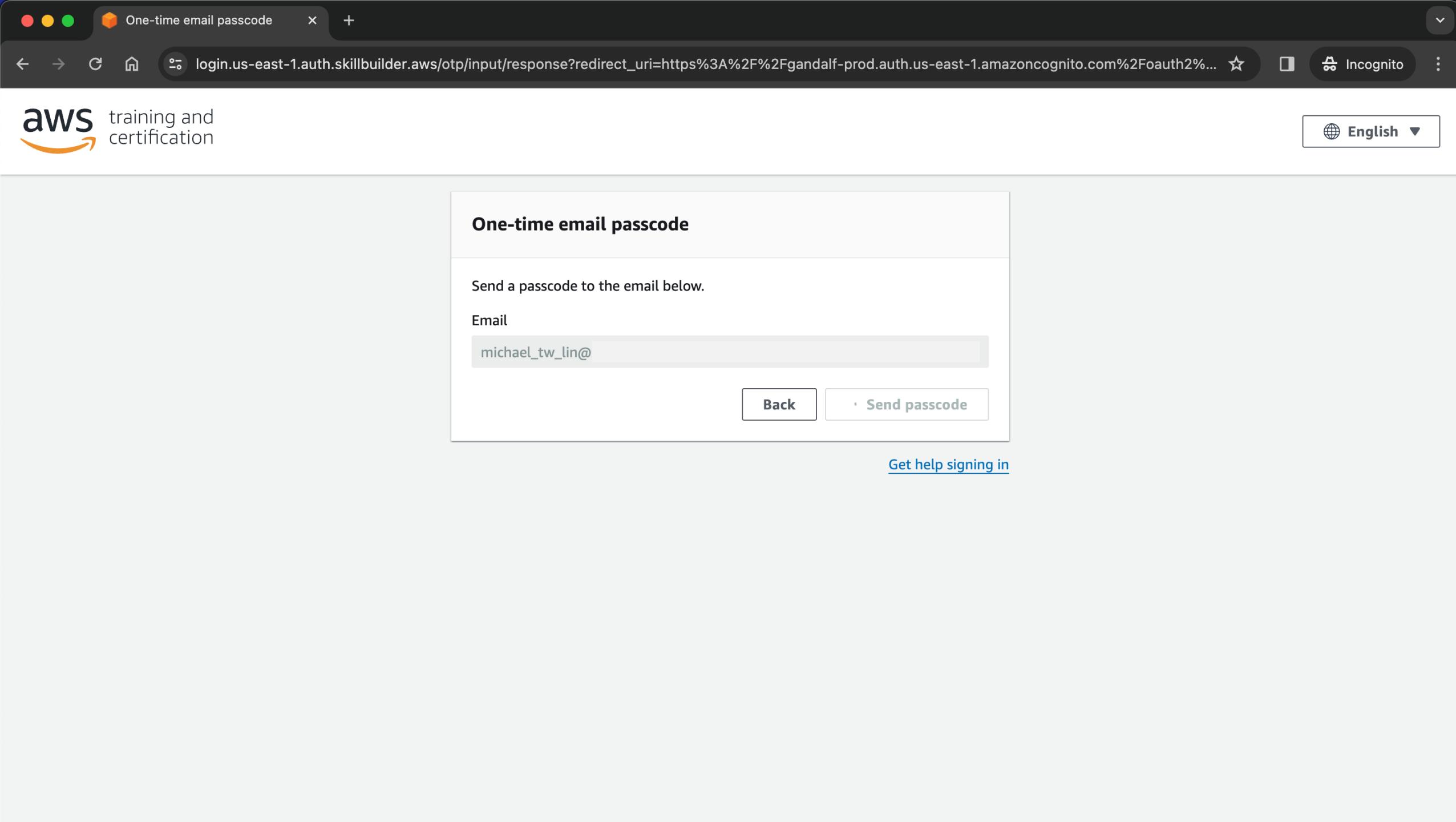
AWS Builder ID

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

Amazon employee

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





Verify one-time email passcode

login.us-east-1.auth.skillbuilder.aws/otp/challenge?redirect_uri=https%3A%2F%2Fgandalf-prod.auth.us-east-1.amazoncognito.com%2Foauth2%2Fidp...

Incognito

aws training and certification

English

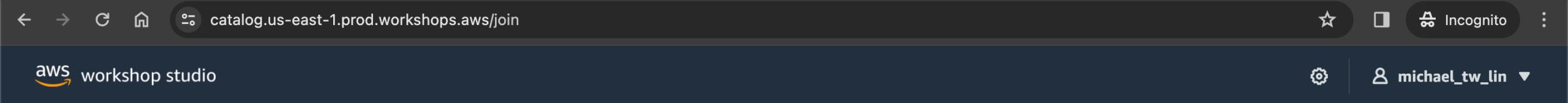
One-time email passcode

We sent a passcode to michael_tw_lin@msn.com. You should receive it within 5 minutes.

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

Back | Sign in

[Get help signing in](#)



[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

caa0-040ce3-4a

Cancel

Next

[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
nwa-canvas-dryrun	2/01/2024 03:18 PM	72 hours	200

Description

nwa-canvas-dryrun

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.



Country or region	Minimum age



4. During the relevant event, while using this AWS-owned account, You will not use, import, input, or introduce any data, dataset, or other material that contains personal data, financial information, or any other data or materials that may be subject to laws and regulations (such as the General Data Protection Regulation or The Health Insurance Portability and Accountability Act of 1996).
5. If You find residual resources or materials in this AWS-owned account, You will notify your Event Operator immediately.
6. AWS, its affiliates, and any entities or persons acting on AWS's behalf reserves the right to terminate this AWS-owned account and to delete its contents at any time, without any notice to You.
7. During the relevant event, while using this AWS-owned account, You will not process or run any operation on any data other than test datasets or lab materials that have been approved by AWS.
8. You will not copy, import, export or otherwise create derivative works of materials provided by AWS for use outside of the relevant event.
9. AWS, its affiliates, and any entities or persons acting on AWS's behalf have no obligation to enable the transmission of Your materials through AWS Workshop Studio, and may, in their discretion, edit, block, refuse to post, or remove Your materials at any time, without notice to You.
10. If You access and use a service and/or third-party models that have their own terms during the relevant event, while 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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I agree with the Terms and Conditions



Cancel

Previous

Join event

catalog.us-east-1.prod.workshops.aws/join

aws workshop studio

michael_tw_lin

4. During the relevant event, while using this AWS-owned account, You will not use, import, input, or introduce any data, dataset, or other material that contains personal data, financial information, or any other data or materials that may be subject to laws and regulations (such as the General Data Protection Regulation or The Health Insurance Portability and Accountability Act of 1996).

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8. You will not copy, import, export or otherwise create derivative works of materials provided by AWS for use outside of the relevant event.

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I agree with the Terms and Conditions

Cancel Previous Join event



catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US

aws workshop studio

nwa-canvas-dryrun

Event ends in 2 days 16 hours 53 minutes.

Event dashboard > Amazon SageMaker Canvas Immersion Day

Event information

Start time	Duration	Accessible regions
2/01/2024 03:18 PM	72 hours	us-east-1

Description
nwa-canvas-dryrun

Workshop

[Get started >](#)

Title	Complexity level	AWS services	Topics
Amazon SageMaker Canvas Immersion Day	200	Amazon SageMaker	Machine Learning (ML/AI)

Description
A 4-hours Immersion day that goes through the details of Amazon SageMaker Canvas, the different features it comprises, and the different use cases it helps solve. Note: if you don't wait for the output of every Standard Build, this workshop can take even less than the suggested time.

Amazon SageMaker Canvas Immersion Day

What is Amazon SageMaker Canvas?

Prerequisites

Use case labs

Technology Labs

Generative AI

Changelog and Updates

Open AWS console (us-east-1)

Get AWS CLI credentials

Language

English

Content preferences

Machine Learning (ML/AI)

Exit event

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US

michael_tw_lin

nwa-canvas-dryrun

Amazon SageMaker Canvas Immersion Day

- What is Amazon SageMaker Canvas?
- Prerequisites
- Use case labs
- Technology Labs
- Generative AI
- Changelog and Updates

AWS account access

Open AWS console (us-east-1) 

Get AWS CLI credentials

Content preferences

Language: English

Exit event

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Description
nwa-canvas-dryrun

Workshop

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Get started >

A screenshot of the AWS Cloud Home console interface. At the top, there are two tabs: "nwa-canvas-dryrun" and "Console Home | Console Home". A red arrow points to the "Console Home" tab. The main navigation bar includes "aws", "Services" (selected), "Search" (with a keyboard shortcut "[Option+S]"), and "CloudFormation". Below the navigation bar, a "Service menu" is open, containing the following text: "You can access all AWS services here. There are sections for recently visited and you can save your favorite services too." It also features a "Next" button.

The central content area shows a grid of service icons and names. On the left, services include Amazon SageMaker, Amazon Kendra, S3, RDS, CloudFormation, and Amazon OpenSearch Service. On the right, services include IAM, AWS Organizations, Lambda, Billing and Cost Management, EC2, and AWS DeepRacer. Below this grid are two buttons: "View all services" and "Go to myApplications".

In the top right corner, there are buttons for "Reset to default layout" and "+ Add widgets". Above these buttons, the region is set to "N. Virginia" and the participant role is "WSParticipantRole/Participant @ 3630-3809-3706".

The main right-hand panel displays the "Applications" section. It shows 0 applications in the "us-east-1 (Current Region)" region. A search bar "Find applications" is present. Below the search bar, there are columns for "Name", "Description", "Region", and "Originating account". A message at the bottom says "No applications" and "Get started by creating an application.", with a "Create application" button.

At the bottom of the screen, there are three cards: "Welcome to AWS", "AWS Health", and "Cost and usage".

← → C https://us-west-2.console.aws.amazon.com/console/home?region=us-west-2 ⌂ ⌃ ⌄ ⌅ ⌆

aws Services Q sagemaker canvas X

EC2 VPC

Console

Recent

Features (5)

Services (2)

Resources New

Documentation (16,316)

Knowledge Articles (49)

Marketplace (2)

Blogs (1,286)

Tutorials (24)

AWS Events (49)

VPC

Amazon SageMaker

Amazon Application Composer

Welcome

Search results for 'sagemaker canvas'

Features

SageMaker Canvas

Amazon SageMaker feature

SageMaker Studio

Amazon SageMaker feature

Notebooks

IoT Analytics feature

Autopilot

Amazon SageMaker feature

Services

Amazon SageMaker ★

Build, Train, and Deploy Machine Learning Models

Application Composer ★

Visually design and build modern applications quickly

Resources / for a focused search

See all 5 results ▶

+ Add widgets

Create application

fault layout

Originating account

application cost, security findings, and e.

posts per month

USD)

← → C https://us-west-2.console.aws.amazon.com/sagemaker/home?region=us-west-2#/landing ☆

aws Services Search [Option+S] Oregon WSParticipantRole/Participant @ 3281-4040-8640 ▾

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Amazon SageMaker X

MACHINE LEARNING

Amazon SageMaker

Build, train, and deploy machine learning models at scale

The quickest and easiest way to get ML models from idea to production.

How it works

What is Amazon SageMaker?

Amazon SageMaker provides machine learning (ML) capabilities for data scientists and developers to prepare, build, train, and deploy high-quality ML

New to SageMaker?

Quick setup for a single user ⓘ
This is perfect for first time users to try capabilities in just a few clicks.

Set up for single user

Advanced setup for organizations
Customize capabilities, permissions, network, and more for your team to launch Studio.

Set up for organizations

Documentation

Getting started ↗
Tutorials
Documentation ↗
Developer Resources ↗
AWS Developer Forum ↗

Getting started ↗

Canvas 

Studio Lab ↗

RStudio

TensorBoard

Profiler

Admin configurations

Domains
Role manager
Images
Lifecycle configurations

SageMaker dashboard

Search

JumpStart

Foundation models
Computer vision models

SageMaker Canvas | Amazon Sa X

https://us-west-2.console.aws.amazon.com/sagemaker/home?region=us-west-2#/canvas-landing

Services Search [Option+S] Oregon WSParticipantRole/Participant @ 3281-4040-8640

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Amazon SageMaker

Getting started Studio Studio Lab Canvas RStudio TensorBoard Profiler Admin configurations Domains Role manager Images Lifecycle configurations SageMaker dashboard Search JumpStart Foundation models

Amazon SageMaker

SageMaker Canvas

Generate accurate machine learning predictions — no code required

Get Started

Select user profile

1-business-analyst

Open Canvas

Get hands-on experience with SageMaker Canvas

Discover SageMaker Canvas through a free demo experience, where you can learn how a SageMaker Canvas model can help notify your customers of package delays. Continue your learning path with free (no AWS Account required) guided lab, and a full course.

Free Demo Demo Hands-on Lab Lab Free Course Course

SageMaker Canvas | Amazon Sa X SageMaker Canvas X +

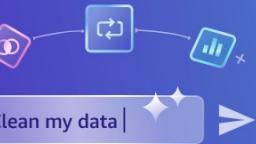
vghks-canvas-20240319 https://d-80q9jk2wsi7v.studio.us-west-2.sagemaker.aws/canvas/default/home

Home Data Wrangler My Models ML Ops Ready-to-use Shared Models Gen AI Help

Home

Get started

Get started with quick actions to build and use ML and generative AI models – no code required.



Clean my data ➤

Prepare and analyze data



Build a custom model



Compare GenAI models & query docs



Explore ready-to-use-models

 Learn to build machine learning models for different real world use cases. [Explore Workshops](#)

Recent work

 [Data flows](#)  [Create a data flow](#)

Name	Last updated
------	--------------

Data flows are a way to visually connect and transform datasets.

Canvas news

 [Featured blog](#)

Detect anomalies in manufacturing data using Amazon SageMaker Canvas

Feb 15

Announcing support for Llama 2 and Mistral models and streaming responses in Amazon SageMaker Canvas

 [Blog](#) Feb 5, 2024

Lab Exercises

- Computer Vision (CV)
- Large Language Model (LLM)



Home

Data Wrangler

Datasets

Data flows



Data Wrangler



My Models



ML Ops



Ready-to-use



Shared Models



Gen AI



Help



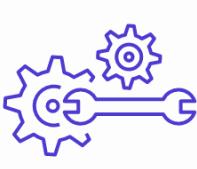
Log out



Import data



Prepare data



Scale data operations



Build models

You have not created any data flows yet.

Create a new data flow to prepare data using generative AI or 300+ built-in analyses and transforms.

+ Create a data flow

Resources

Get started

- [What is Amazon SageMaker Data Wrangler](#)
- [Get started with Data Wrangler in Canvas](#)

Documentation

- [Pricing in Canvas](#)
- [AWS technical guide](#)

What's new

- Accelerate data preparation for ML with comprehensive data preparation capabilities and a natural language interface

SageMaker Canvas

vghks-canvas-20240319

Amazon Kendra | us-west-2

Data Wrangler

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Data Wrangler

Datasets Data flows

Filter by data type

All Tabular Document Image

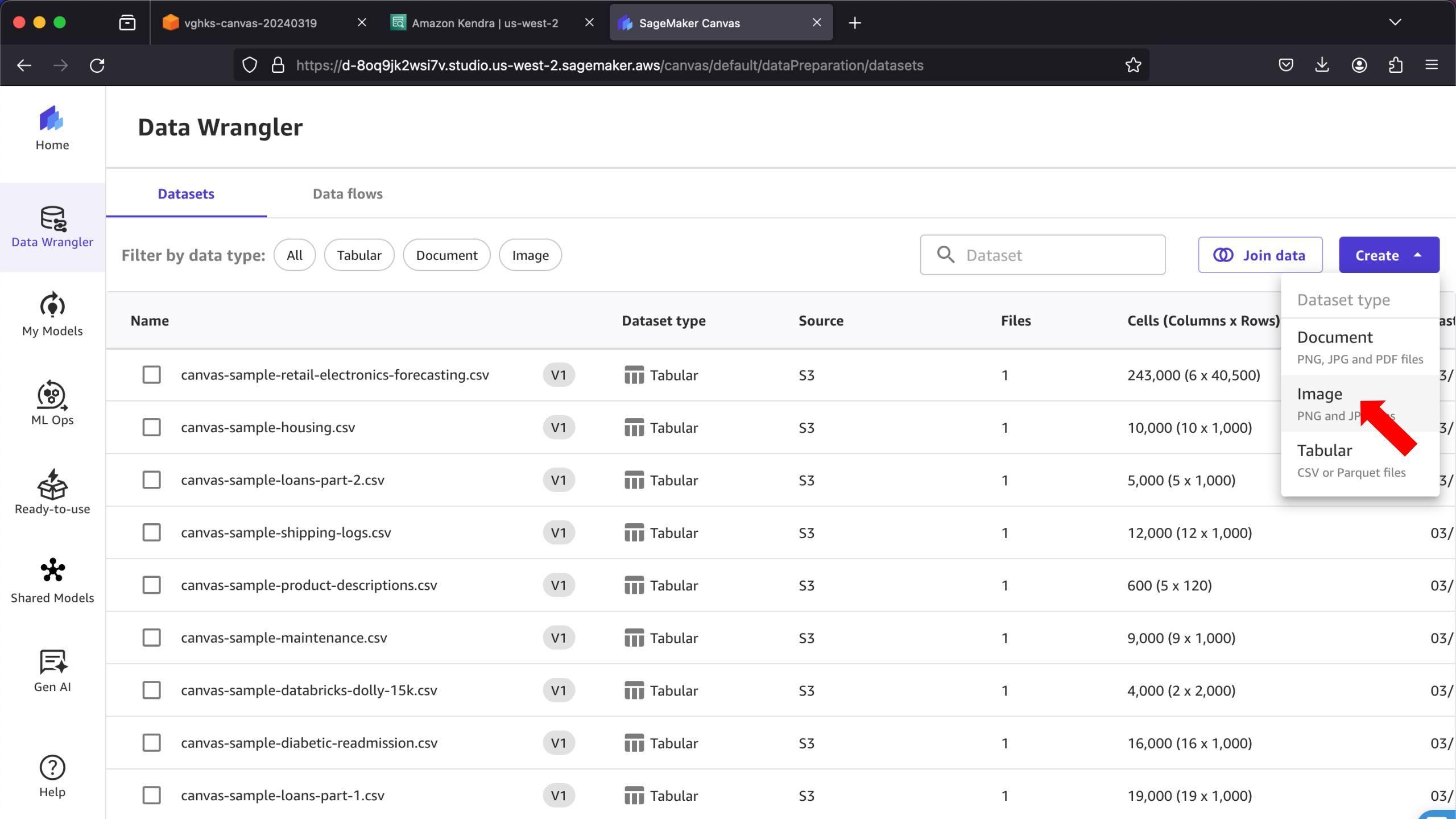
Dataset

Join data

Create

Name	Dataset type	Source	Files	Cells (Columns x Rows)	Last modified
canvas-sample-retail-electronics-forecasting.csv	V1 Tabular	S3	1	243,000 (6 x 40,500)	03/
canvas-sample-housing.csv	V1 Tabular	S3	1	10,000 (10 x 1,000)	03/
canvas-sample-loans-part-2.csv	V1 Tabular	S3	1	5,000 (5 x 1,000)	03/
canvas-sample-shipping-logs.csv	V1 Tabular	S3	1	12,000 (12 x 1,000)	03/
canvas-sample-product-descriptions.csv	V1 Tabular	S3	1	600 (5 x 120)	03/
canvas-sample-maintenance.csv	V1 Tabular	S3	1	9,000 (9 x 1,000)	03/
canvas-sample-databricks-dolly-15k.csv	V1 Tabular	S3	1	4,000 (2 x 2,000)	03/
canvas-sample-diabetic-readmission.csv	V1 Tabular	S3	1	16,000 (16 x 1,000)	03/
canvas-sample-loans-part-1.csv	V1 Tabular	S3	1	19,000 (19 x 1,000)	03/

A screenshot of the SageMaker Canvas Data Wrangler interface. The left sidebar shows navigation links for Home, Data Wrangler, My Models, ML Ops, Ready-to-use, Shared Models, Gen AI, and Help. The main area is titled 'Data Wrangler' and has tabs for 'Datasets' (selected) and 'Data flows'. A red arrow points to the 'Filter by data type' dropdown menu, which includes options for All, Tabular, Document, and Image. There is also a search bar for 'Dataset' and a 'Join data' button. Below these are two buttons: 'Create' and a dropdown menu. The main content area displays a table of datasets with columns for Name, Dataset type, Source, Files, Cells (Columns x Rows), and Last modified. Each dataset row includes a checkbox, a version indicator (V1), and a small icon representing the dataset type.





Home



Data Wrangler



My Models



ML Ops



Ready-to-use



Shared Models



Gen AI



Help



Log out

Data Wrangler

Datasets

Data flows

Filter by data type: All Tabular Document Image Dataset

Join data

Create ▾

Name	Dataset type	Source	Files	Cells (Columns x Rows)	Last modified
<input type="checkbox"/> canvas-sample-retail-electronics-forecast				243,000 (6 x 40,500)	03/
<input type="checkbox"/> canvas-sample-housing.csv				10,000 (10 x 1,000)	03/
<input type="checkbox"/> canvas-sample-loans-part-2.csv				5,000 (5 x 1,000)	03/
<input type="checkbox"/> canvas-sample-shipping-logs.csv				12,000 (12 x 1,000)	03/
<input type="checkbox"/> canvas-sample-product-descriptions.csv				600 (5 x 120)	03/
<input type="checkbox"/> canvas-sample-maintenance.csv	V1	Tabular	S3	9,000 (9 x 1,000)	03/
<input type="checkbox"/> canvas-sample-databricks-dolly-15k.csv	V1	Tabular	S3	4,000 (2 x 2,000)	03/
<input type="checkbox"/> canvas-sample-diabetic-readmission.csv	V1	Tabular	S3	16,000 (16 x 1,000)	03/
<input type="checkbox"/> canvas-sample-loans-part-1.csv	V1	Tabular	S3	19,000 (19 x 1,000)	03/

Create an image dataset



Dataset name

Magnetic-Tiles-Dataset

Use only letters, numbers, spaces, dashes, colons, and underscores up to 64 characters.

Cancel

Create



Magnetic-Tiles-....: Create Image dataset

Data Source: Local upload ▾

Upload files to import

Drag and drop files and folders here

or

Select files

Select folders

- A maximum of 200 images can be uploaded at a time.
- Supported formats: JPG and PNG.
- Image must be smaller than 30 MB.

Assign labels to images based on folder name

Safari window showing the AWS SageMaker Canvas workshop studio dashboard.

Tab titles: vghks-canvas-20240319, Amazon Kendra | us-west-2, SageMaker Canvas.

URL: https://catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-advanced-topics/2-ready-to-use-model

Header: aws workshop studio, michael_tw_lin.

Left sidebar:

- ▶ Use case labs
- ▼ Technology Labs
 - Ready-to-use Models
 - ▶ No-Code Computer Vision
 - Using pre-trained
 - Computer Vision models
 - [Create your custom Computer Vision model](#)
 - ▶ No-Code Natural Language Processing (Text Analysis)
 - No-Code Intelligent Document Processing
 - ▼ Generative AI Labs
 - Introduction to Generative AI with SageMaker Canvas
- ▼ AWS account access
 - [Open AWS console \(us-west-2\)](#)
 - [Get AWS CLI credentials](#)
- ▼ Content preferences
 - Language: English

Main content area:

Event ends in 2 days 19 hours 20 minutes.

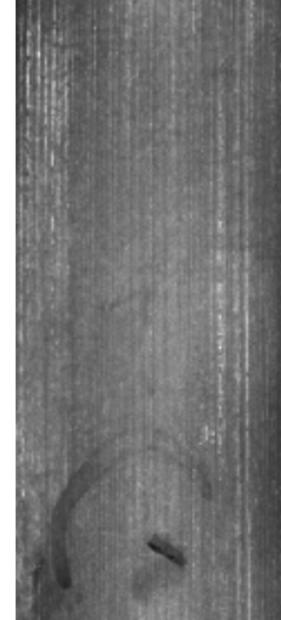
The dataset

[Download the training dataset](#)  [Download the test dataset](#) 

Upon unzipping the training data, you will encounter folders that organize the images based on distinct defect types, including blowholes, breaks, and cracks. It's worth noting that the free folder contains images that are devoid of any defects. Moreover, to assess the efficacy of the model in the testing phase, it's crucial to download inference or test images.

Magnetic-Tiles-Dataset

Blowhole





Magnetic-Tiles-....: Create Image dataset

Data Source: Local upload ▾

Upload files to import

Drag and drop files and folders here

or

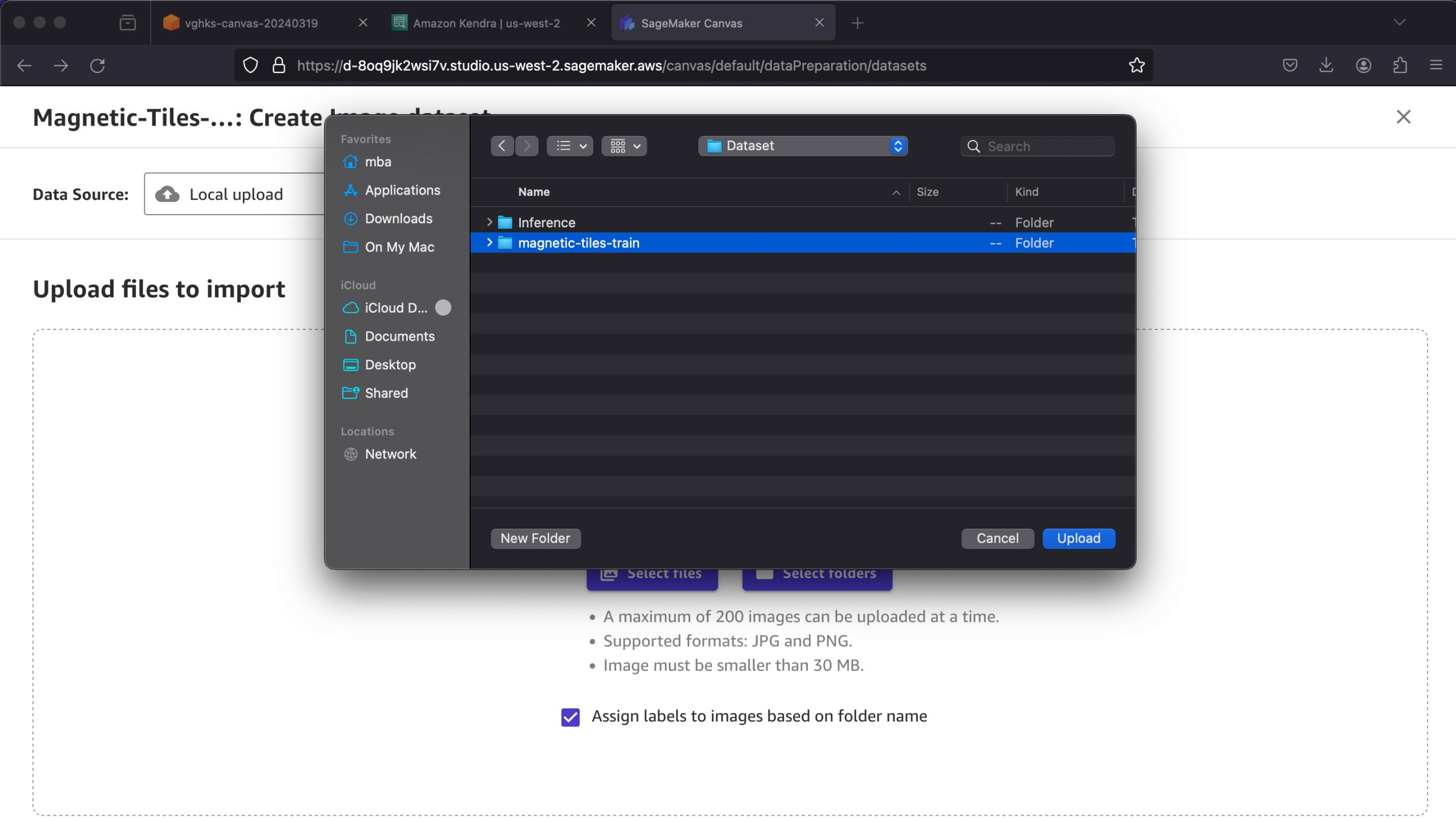
Select files

Select folders



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- Image must be smaller than 30 MB.

Assign labels to images based on folder name



Magnetic-Tiles-...: Create Image dataset

Data Source: Local upload

Upload files to import

Drag and drop files and folders here

or

Select files

Select folders

- A maximum of 200 images can be uploaded at a time.
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- Image must be smaller than 30 MB.

Assign labels to images based on folder name

200 files ready to import

Delete all

Crack (40 of 40)

Blowhole (50 of 50)

Free (60 of 60)

Break (50 of 50)

.DS_Store Upload failed

Magnetic-Tiles-...: Create Image dataset

Data Source: [Local upload](#)

Upload files to import

Drag and drop files and folders here

or

[Select files](#)

[Select folders](#)

- A maximum of 200 images can be uploaded at a time.
- Supported formats: JPG and PNG.
- Image must be smaller than 30 MB.

Assign labels to images based on folder name

200 files ready to import

[Delete all](#)

[Crack \(40 of 40\)](#)



[Blowhole \(50 of 50\)](#)



[Free \(60 of 60\)](#)



[Break \(50 of 50\)](#)



.DS_Store

Upload failed



Data Source:  Local upload ▾

Upload files to import

Drag and drop files and folders here

or

 Select files

 Select folders

- A maximum of 200 images can be uploaded at a time.
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- Image must be smaller than 30 MB.

Assign labels to images based on folder name

200 files ready to import

[Delete all](#)

 Crack (40 of 40) 

 Blowhole (50 of 50) 

 Free (60 of 60) 

 Break (50 of 50) 

[Cancel](#)

[Create dataset](#)



SageMaker Canvas

vghks-canvas-20240319

Amazon Kendra | us-west-2

Data Wrangler

Home

Datasets Data flows

Filter by data type: All Tabular Document Image

Dataset

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Data Wrangler

Name Dataset type Source Files Cells (Columns x Rows) Last modified

Name	Dataset type	Source	Files	Cells (Columns x Rows)	Last modified
<input type="checkbox"/> Magnetic-Tiles-Dataset	V1 Image	Local	200		03/
<input type="checkbox"/> canvas-sample-retail-electronics-forecasting.csv	V1 Tabular	S3	1	243,000 (6 x 40,500)	03/
<input type="checkbox"/> canvas-sample-housing.csv	V1 Tabular	S3	1	10,000 (10 x 1,000)	03/
<input type="checkbox"/> canvas-sample-loans-part-2.csv	V1 Tabular	S3	1	5,000 (5 x 1,000)	03/
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<input type="checkbox"/> canvas-sample-diabetic-readmission.csv	V1 Tabular	S3	1	16,000 (16 x 1,000)	03/

A red arrow points to the checkbox next to the "Magnetic-Tiles-Dataset" row.

New! Amazon SageMaker Canvas supports comprehensive data preparation including a conversational interface for data transformation, Gen AI capabilities to access, evaluate, and fine-tune LLMs, configuration of parameters to build models, and the ability to directly deploy models to real-time endpoints. [Learn more](#)

Data Wrangler

My Models

ML Ops

Ready-to-use

Shared Models

Gen AI

Help

My models

Search models

+ New model

Grid List



Select dataset

Build model

Analyze

Predict

Deploy

+ Create new model

Resources

Tutorials

- Prepare training data for machine learning with

Documentation

- Pricing in Canvas

What's new

- Automate batch predictions in Amazon





Home



Data Wrangler



My Models



ML Ops



Ready-to-use



Shared Model



Gen AI



Help



Log out

New! Amazon SageMaker Canvas supports comprehensive data preparation including a conversational interface for data transformation, Gen AI capabilities to access, evaluate, and fine-tune LLMs, configuration of parameters to build models, and the ability to directly deploy models to real-time endpoints. [Learn more](#)



Create new model



Model name

Model name

Magnetic-Tiles-Defect-Model



Use only letters, numbers, and underscores up to 22 characters.

Problem type

Select the problem type you want the model to solve.



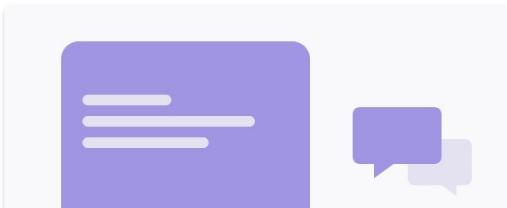
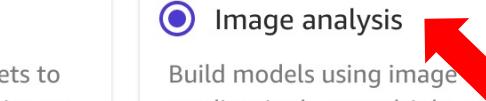
Predictive analysis

Build models using tabular datasets to predict single or multiple categories as well as regression and time-series forecast problems.



Image analysis

Build models using image datasets to predict single or multiple categories for image classification problems.



Text analysis

Build models using tabular datasets to predict single or multiple categories for text classification problems.



Fine-tune foundation model

Customize a foundation model on your data to improve its performance for a specific task or domain.

Cancel

Create

- Prepare training data for machine learning with minimal code [🔗](#)
- Automatically create machine learning models [🔗](#)

- Pricing in Canvas [🔗](#)
- User guide [🔗](#)

- Automate batch predictions in Amazon SageMaker Canvas using updated datasets [🔗](#)
- Operationalize ML models built in Amazon



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Select

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Help



Log out

Select dataset

[+ Create dataset](#)

You can select a dataset that has already been imported or you can create a new dataset.

 Search datasets in Canvas

All

Name

Source

Images

Created

Status

 Magnetic-Tiles-Dataset

V1

Local

200

03/18/2024 9:25 PM

Ready

[Select dataset](#)



Home

Select

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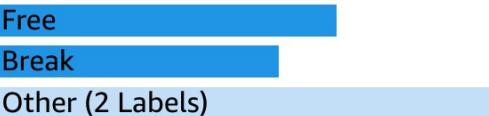


Help



Log out

Label Distribution



Model type

Single-label image prediction

Your model will predict the one correct label that you want assigned to an image.

[Quick build](#)

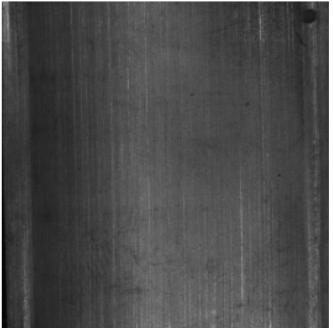
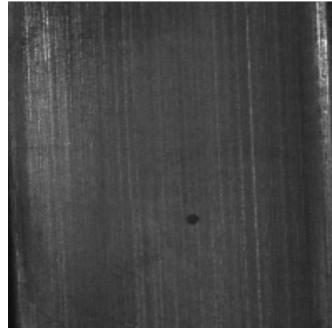
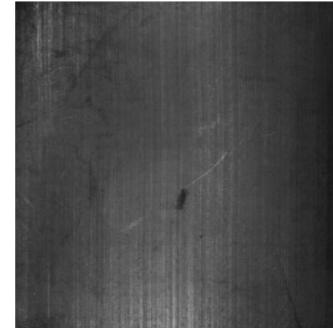
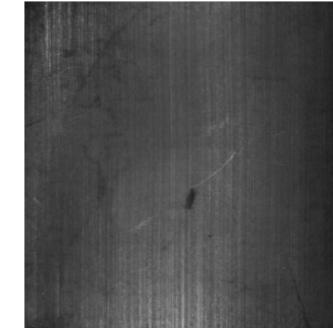
Magnetic-Tiles-Dataset

[Edit dataset](#)

Total images 200

Labeled 200

Unlabeled 0

 Search for label

Images per page 30 ▾ 1-30 of 200



Blowhole 50

Break 50

Crack 40

Free 60

Blowhole

Blowhole

Blowhole

Blowhole



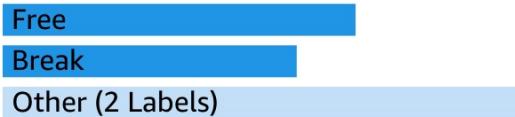
Select

Build

Analyze

Predict

Deploy

Label Distribution**Model type**

Single-label image prediction

💡 Your model will predict the one correct label that you want assigned to an image.

magnetic-tiles-train

[Edit dataset](#)

Total images 200

Labeled 200

Unlabeled 0

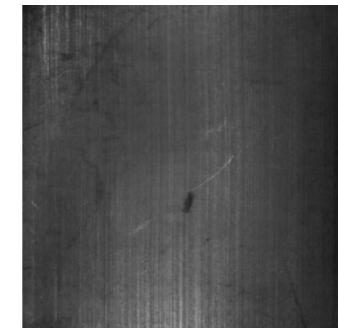
 Search for label

Blowhole 50

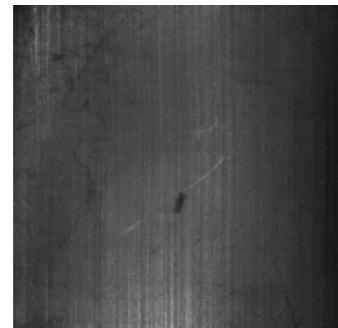
Break 50

Crack 40

Free 60



Blowhole



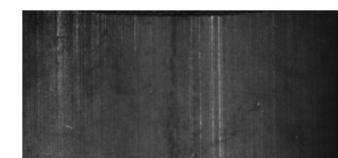
Blowhole



Blowhole



Blowhole



Quick build

Quick build

Choose speed over accuracy. Building usually takes between 15-30 minutes. You can't share quick build models.

Standard build

Choose accuracy over speed. Building usually takes between 2-5 hours



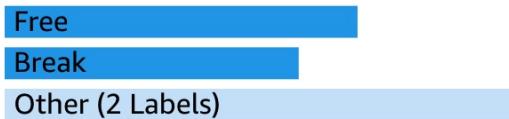
Select

Build

Analyze

Predict

Deploy

Label Distribution**Model type**

Single-label image prediction

Your model will predict the one correct label that you want assigned to an image.

Standard build



magnetic-tiles-train

[Edit dataset](#)

Total images 200

Labeled 200

Unlabeled 0

 Search for label

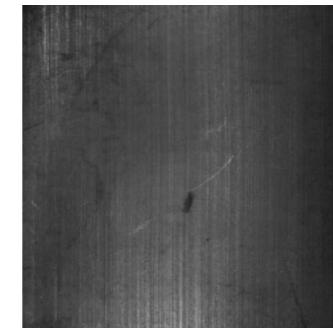
Blowhole 50

Break 50

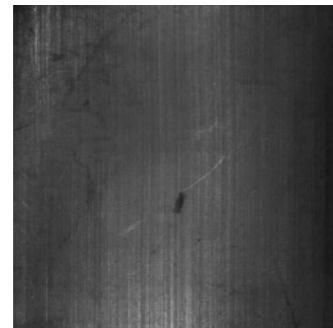
Crack 40

Free 60

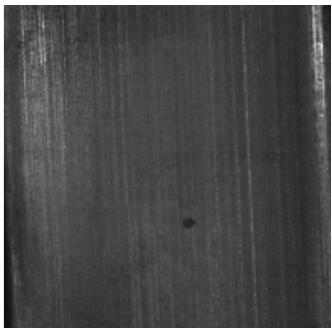
Images per page 30 ▾ 1-30 of 200



Blowhole



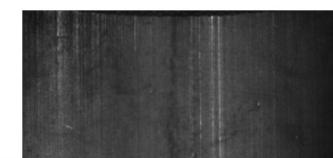
Blowhole



Blowhole



Blowhole



SageMaker Canvas | Amazon | Amazon SageMaker Canvas | SageMaker Canvas | T.LY: World's Shortest URL S | +

d-culcm7zcqhoq.studio.us-east-1.sagemaker.aws/canvas/default/models/Magnetic-Tiles-Defect-Model

New Chrome available :

My models > Magnetic-Tiles-Defect-Model > Version 1

Add version

Select Build Analyze Predict Deploy

Model overview

Your model is being created. Standard build usually takes 2 to 5 hours.

Expected build time: 2 to 5 hours

Build type: Standard build

Detailed progress: Pre-training

A cartoon illustration of a person wearing headphones and working on a laptop at a desk.



New! Amazon SageMaker Canvas supports comprehensive data preparation including a conversational interface for data transformation, Gen AI capabilities to access, evaluate, and fine-tune LLMs, configuration of parameters to build models, and the ability to directly deploy models to real-time endpoints. [Learn more](#)



My models

Search models

+ New model



Grid List



Ready

Magnetic-Tiles-Defect-Model



Versions

1

Target

--

Problem type

Single-label image prediction

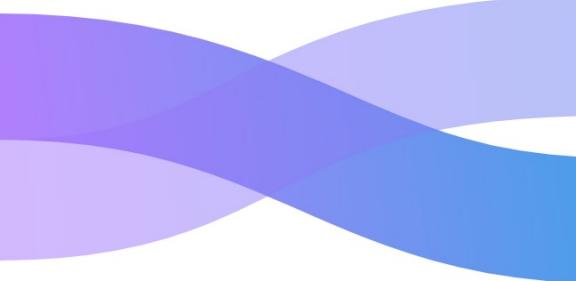
Updated

2024-1-16 2:44 PM

[View](#)

Ready

Churn



Versions

1

Target

Churn

Problem type

2 category prediction

Updated

2024-1-16 1:40 PM

[View](#)



SageMaker Canvas | Amazon | Amazon SageMaker Canvas | SageMaker Canvas | T.LY: World's Shortest URL S | +

← → ⌂ ⌂ d-culcm7zcqhoq.studio.us-east-1.sagemaker.aws/canvas/default/models/group/Magnetic-Tiles-Defect-Model ☆ ⌂ ⌂ ⌂ ⌂ ⌂ New Chrome available :

My models > Magnetic-Tiles-Defect-Model

[Add version](#) [Share](#) ⋮

Versions

Select a version to view details Show advanced metrics

Version	Status	Created	Dataset	Model score	Shared	Model Registry
v1	Ready	01/16/2024 2:18 PM	magnetic-...	90%	--	Not Registered ⓘ ⋮

A red arrow points to the 'v1' button in the first row of the table.

Select

Build

Analyze

Predict

Deploy

Model status

90%

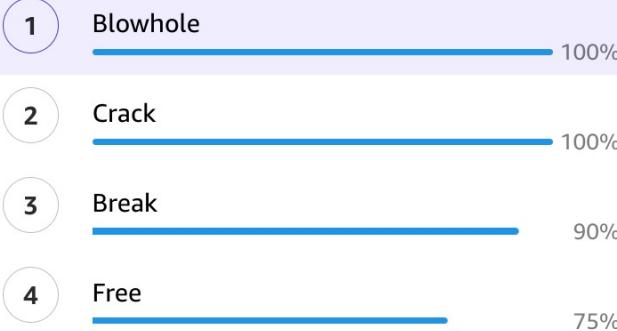
[Predict](#)[Deploy](#)

The model predicts the correct labels 90% of the time.

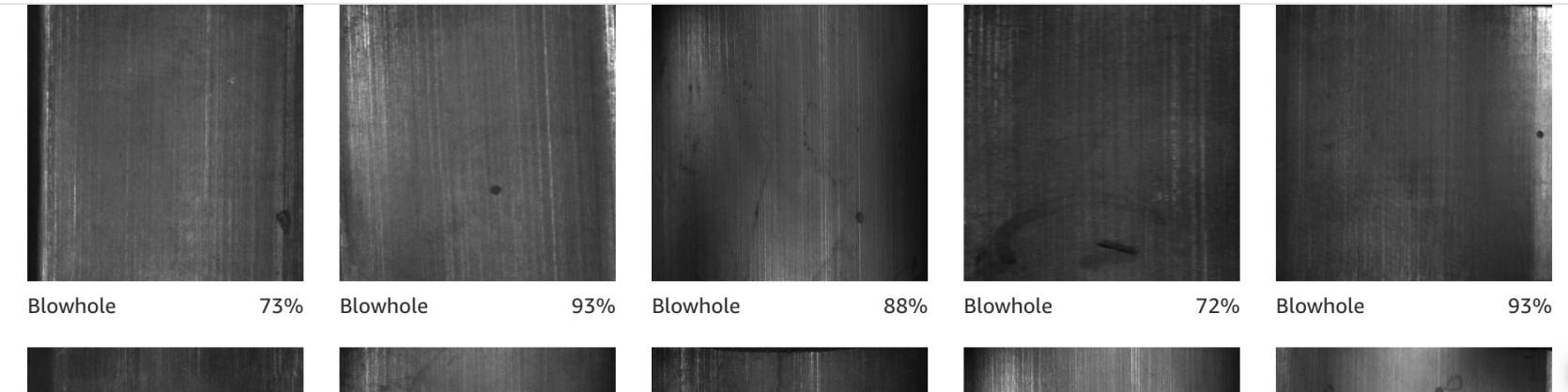
[Overview](#)[Scoring](#)

☰

Per Label performance ⓘ ↓

 Search for label

Blowhole performance ⓘ

 Heatmap ⓘ[Correctly predicted](#)[Incorrectly predicted](#)

Select

Build

Analyze

Predict

Deploy

Model status

90%

[Predict](#)[Deploy](#)

The model predicts the correct labels 90% of the time.

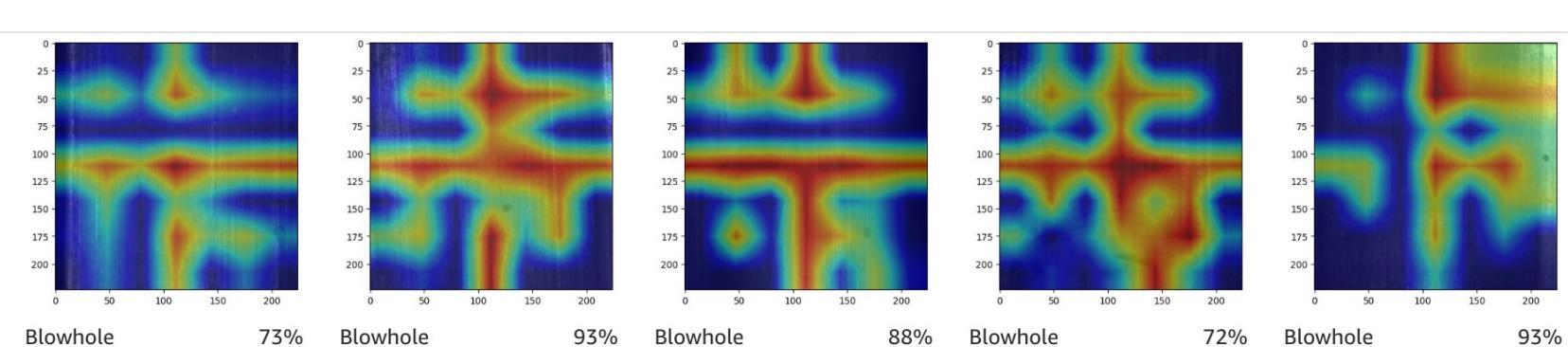
[Overview](#)[Scoring](#)

⋮

Per Label performance ⓘ ↓

 Search for label

Blowhole performance ⓘ

[Correctly predicted](#)[Incorrectly predicted](#) Heatmap ⓘ

Select

Build

Analyze

Predict

Deploy

Model status

90%

[Predict](#)[Deploy](#)

The model predicts the correct labels 90% of the time.

Overview

Scoring

↗

All predictions

Predicted

Actual

Total
40

Free

Blowhole

Break

Crack

Free

Blowhole

Break

Crack



Predicted Label vs. Actual Label

dataset, the model **predicted 100%** of them to be **Blowhole**.

Individual labels

Class	Precision	Recall
Break	100%	90%
Free	90%	75%
Crack	88.889%	100%
Blowhole	83.333%	100%

Select

Build

Analyze

Predict

Deploy

Model status

90%

The model predicts the correct labels 90% of the time.

[Predict](#)[Deploy](#)

Overview

Scoring

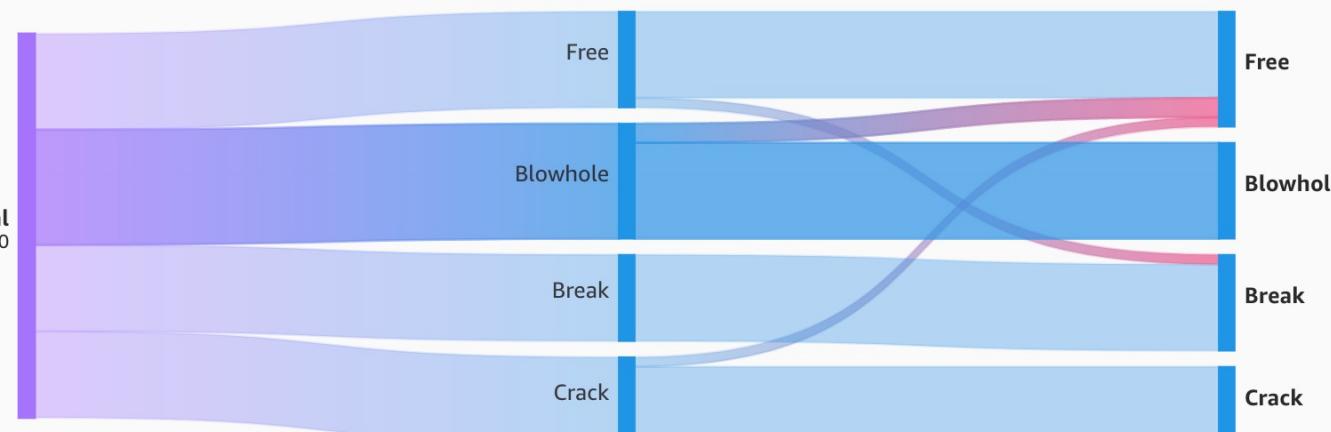
⋮

Predicted Label vs. Actual Label

All predictions

Predicted

Actual

Total
40

dataset, the model predicted 100% of them to be **Blowhole**.

Individual labels

Class	Precision	Recall
Break	100%	90%
Free	90%	75%
Crack	88.889%	100%
Blowhole	83.333%	100%

Select

Build

Analyze

Predict

Deploy

Run predictions

[Single prediction](#)[Batch prediction](#)

Generate predictions for a single image.

[Import image](#)

Start by importing an image

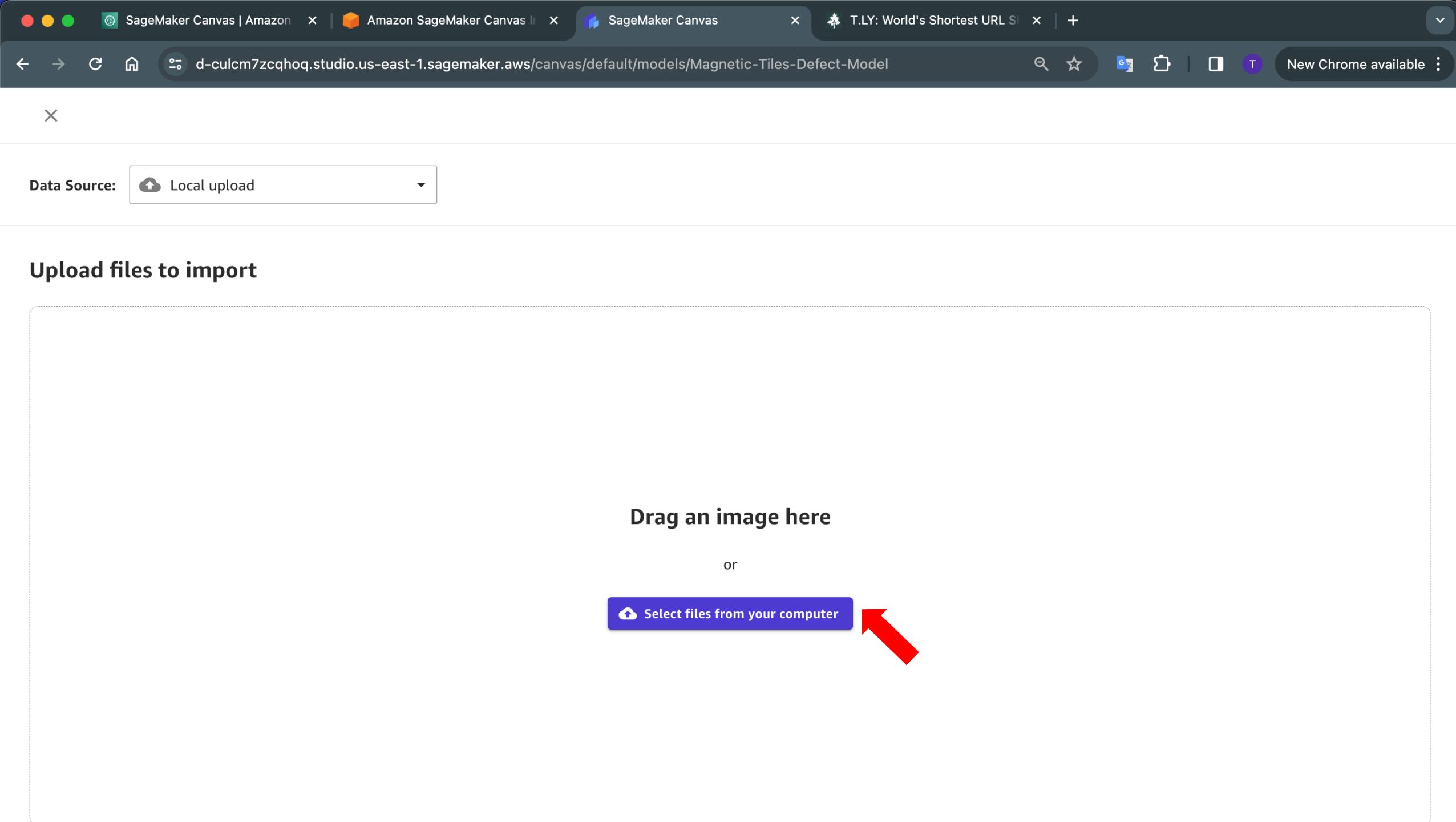
[+ Import](#)

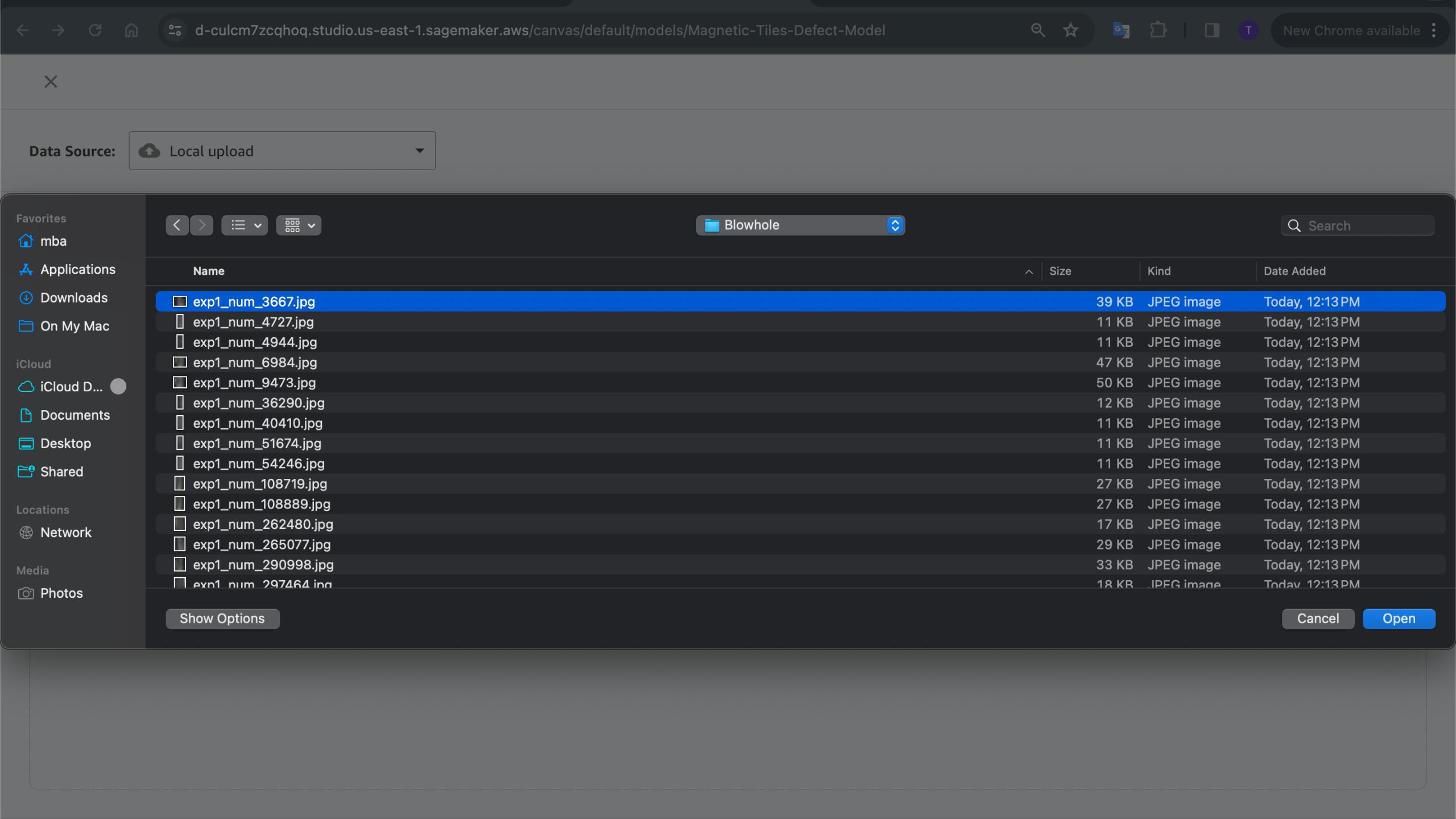
Prediction results



Prediction results will be displayed here after clicking Generate predictions.







X

Data Source:  Local upload ▾

Upload files to import

Drag an image here

or

 Select files from your computer

1 file ready to import

[Delete all](#)

exp1_num_3667.jpg



[Cancel](#)

[Create dataset](#)

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d-culcm7zcqhoq.studio.us-east-1.sagemaker.aws/canvas/default/models/Magnetic-Tiles-Defect-Model

My models > Magnetic-Tiles-Defect-Model > Version 1

Add version

Select Build Analyze Predict Deploy

Run predictions

Single prediction Batch prediction

Generate predictions for a single image.

Import image



Prediction results

Confidence ⓘ

Defect Type	Confidence (%)
Blowhole	96%
Break	3%
Free	1%
Crack	1%

?

←

Lab Exercises

- Computer Vision (CV)
- Large Language Model (LLM)

vghks-canvas-20240319

Amazon Kendra | us-west-2

SageMaker Canvas

https://catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-advanced-topics/8-genai/1-canvas-chat

michael_tw_lin

aws workshop studio

Generative AI Labs

Introduction to Generative AI with SageMaker Canvas

Use Case: Contact Center Intelligence (CCI)

Information Extraction - Query your own documents

Import data into SageMaker Canvas from any source

Accelerate Data Preparation for Machine Learning

ML-powered Business Intelligence - Amazon QuickSight

Operationalize your models - Automations, Model

AWS account access

Open AWS console (us-west-2)

Get AWS CLI credentials

Content preferences

Language English

Event ends in 2 days 19 hours 40 minutes.

Event dashboard > Technology Labs > Generative AI Labs > Introduction to Generative AI with SageMaker Canvas

Introduction to Generative AI with SageMaker Canvas



SageMaker Canvas chatbot experience allows users to leverage foundation models from Amazon Bedrock and Amazon SageMaker JumpStart in a chatbot UX, without the need to know about Generative AI, APIs, endpoints, tokens, parameters, chat interfaces, etc. The chat interface is pre-built in the SageMaker Canvas app users are already familiar with, in the ready-to-use models tab.

Once launched SageMaker Canvas chatbot experience, users can start interacting with foundation models with the chat interface, asking questions and providing prompts. Users can choose which model they want to interact with, from either Amazon Bedrock (Amazon and partners' models) or Amazon SageMaker JumpStart (open-source models). Users can also compare multiple models at once, to select whichever fits better the style of answers they're looking for.

Access Amazon SageMaker Canvas

In order to access the Amazon SageMaker Canvas chatbot experience, start by accessing Amazon SageMaker Canvas. You can do so by clicking on this [link to the AWS Management Console](#) and click on **Open Canvas** after having selected the right domain and user profile.

SageMaker Canvas | Amazon Sa X SageMaker Canvas X +

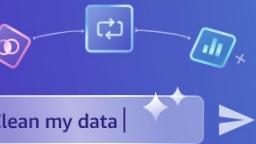
vghks-canvas-20240319 https://d-80q9jk2wsi7v.studio.us-west-2.sagemaker.aws/canvas/default/home

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Get started

Get started with quick actions to build and use ML and generative AI models – no code required.



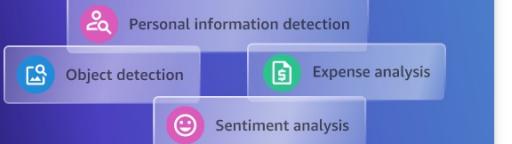
Prepare and analyze data



Build a custom model



Compare GenAI models & query docs



Explore ready-to-use-models

Learn to build machine learning models for different real world use cases. [Explore Workshops](#)

Recent work

Data flows

+ Create a data flow

Name	Last updated
------	--------------

Data flows are a way to visually connect and transform datasets.

Canvas news

Featured blog

Detect anomalies in manufacturing data using Amazon SageMaker Canvas

Feb 15

Announcing support for Llama 2 and Mistral models and streaming responses in Amazon SageMaker Canvas

Blog Feb 5, 2024

A red arrow points to the Gen AI icon in the sidebar.

SageMaker Canvas | Amazon Sa X SageMaker Canvas X +

vghks-canvas-20240319 https://d-8oq9jk2wsi7v.studio.us-west-2.sagemaker.aws/canvas/default/readyToUseModels/canvasChat

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Generate, extract and summarize content

You must have the necessary permissions for interacting with foundation models and using the document query feature in Canvas. Go to the [SageMaker Console](#) to enable permissions for this account if this hasn't been done already. If you don't have access to the [SageMaker Console](#), contact your administrator. [Learn more](#)

+ New chat Query documents Index CanvasImmersionDayIndex

Get started by asking a question!

To begin start up the model: **Llama-2-7b-Chat**

Llama 2 7B Chat is a 7 billion parameter fine-tuned model that is optimized for dialogue use cases. It leverages publicly available instruction datasets and over 1 million human annotations. Llama 2 pre-trained models are trained on 2 trillion tokens of publicly available online data sources. According to the model developer, Meta, "Llama 2 outperforms other open source language models on many external benchmarks, including reasoning, coding, proficiency, and knowledge tests. It is on par with some popular closed-source models like ChatGPT and PaLM based on our human evaluations for helpfulness and safety."

Use of this model is governed by the [Meta](#) license.

Use cases

Assistant-like chat

Model Developer: [Meta](#)

Pricing

Per hour instance charges apply. Learn more [here](#).

Additional details





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Generate, extract and summarize content

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[+ New chat](#)[Query documents](#)

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Llama 2 outperforms other open source language models on many external benchmarks, including reasoning, coding, proficiency, and knowledge tests. It is on par with some popular closed-source models like ChatGPT and PaLM based on our human evaluations for helpfulness and safety."

Use of this model is governed by the [Meta](#) license.

Use cases

Assistant-like chat

Model Developer: [Meta](#)

Pricing

Per hour instance charges apply. Learn more [here](#).

Additional details

- After startup, this model is deployed to an Amazon SageMaker instance in your private and secure AWS environment.
- Your data remains confidential and is not shared with the model provider.
- The model automatically shuts down after 2 hours of inactivity.

Click [here](#) to learn more about LLMs.

[Start up Llama-2-7b-Chat](#)[Select another model](#)



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Review the End User License Agreement (EULA) and Acceptable Use Policy (AUP) below



Llama 2 Community License Agreement

Llama 2 Version Release Date: July 18, 2023

"Agreement" means the terms and conditions for use, reproduction, distribution and modification of the Llama Materials set forth herein.

"Documentation" means the specifications, manuals and documentation accompanying Llama 2 distributed by Meta at ai.meta.com/resources/models-and-libraries/llama-downloads/.

"Licensee" or "you" means you, or your employer or any other person or entity (if you are entering into this Agreement on such person or entity's behalf) of the age

Cancel

I have read and accept EULA and AUP

[Click here](#) to learn more about EULAs.



Start up Llama-2-7b-Chat

Select another model

SageMaker Canvas | Amazon Sa X SageMaker Canvas X +

vghks-canvas-20240319 https://d-8oq9jk2wsi7v.studio.us-west-2.sagemaker.aws/canvas/default/readyToUseModels/canvasChat

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Generate, extract and summarize content

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+ New chat Query documents ⓘ Index CanvasImmersionDayIndex

Llama-2-7b-Chat is starting up...

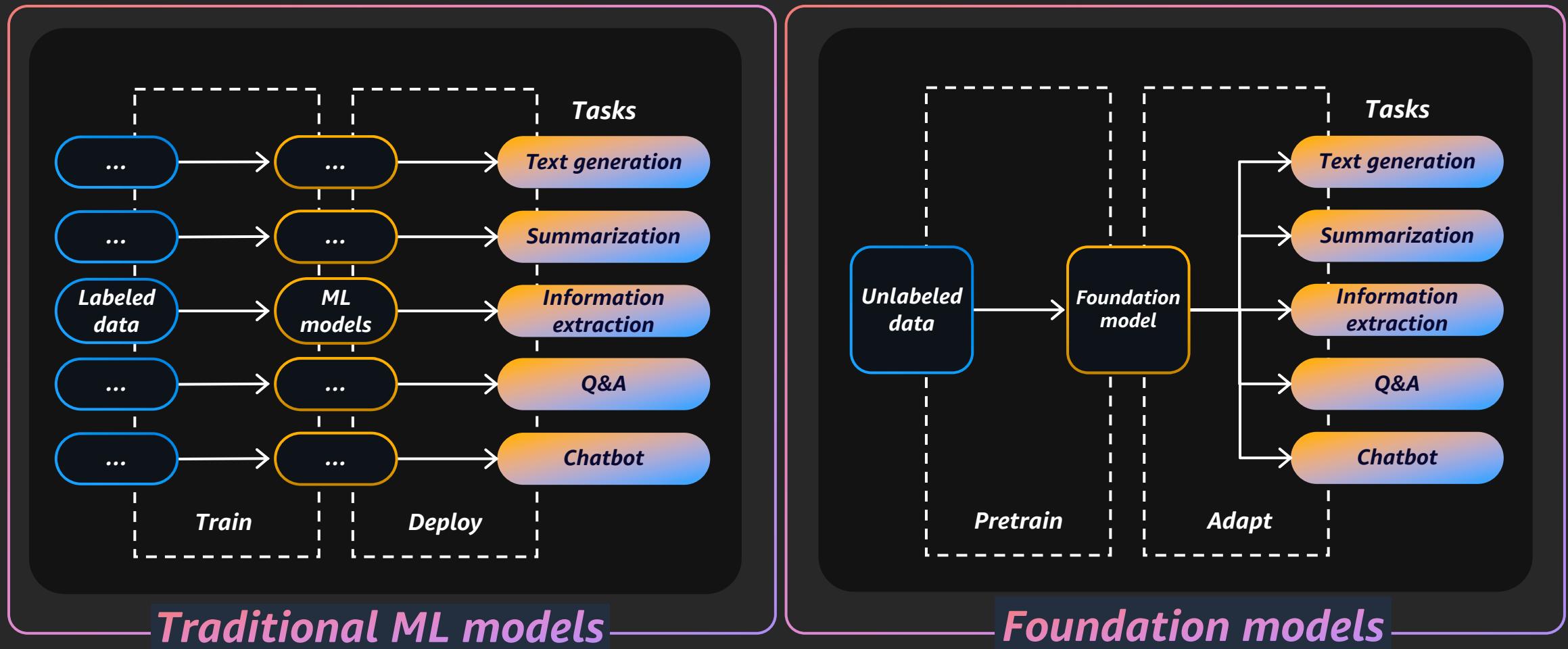
We are starting this model in your AWS environment. Your data remains confidential and is not shared with the model provider.

Expected start up time
10 minutes

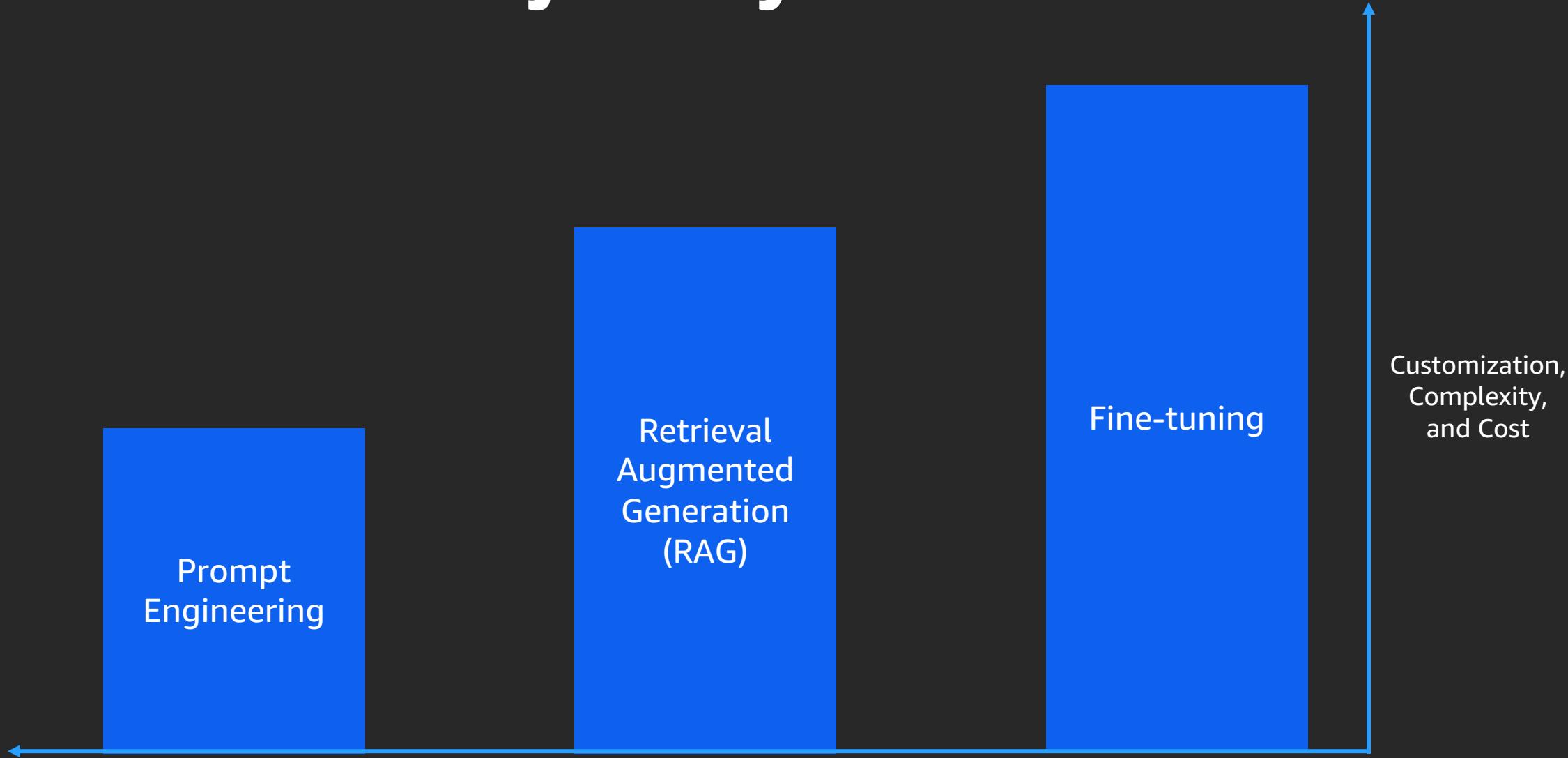
Model shut down
The model will automatically shut down after 2 hours of inactivity to avoid unnecessary costs.



Generative AI is powered by foundation models (FMs)



Your customization journey





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Generate, extract and summarize content

+ New chat



Query documents ⓘ

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Llama-2-7b-Chat ▾



+ Compare

Ask me anything...



SageMaker Canvas

https://d-8oq9jk2wsi7v.studio.us-west-2.sagemaker.aws/canvas/default/readyToUseModels/canvasChat

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Query documents ⓘ

Llama-2-7b-Chat

+ Compare

To get started, try these example prompts:

- Create a summary of KPIs (Key Performance Indicators) for monitoring and evaluating the success of a marketing campaign.
- Write a report outlining the potential benefits and ROI of implementing a customer relationship management (CRM) system.
- Compose an email with a summary of the following meeting notes: "Insert your meeting notes"

Ask me anything

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Llama-2-7b-Chat



Create a summary of KPIs (Key Performance Indicators) for monitoring and evaluating the success of a marketing campaign.



Of course! Here are some key performance indicators (KPIs) that can be used to monitor and evaluate the success of a marketing campaign:

1. Reach and Impressions: The number of people exposed to the campaign through various channels, such as social media, email, or advertising.
2. Engagement: The number of likes, shares, comments, and other interactions on social media platforms.
3. Conversions: The number of people who take a desired action as a result of the campaign, such as making a purchase or filling out a form.
4. Customer Acquisition Costs (CAC): The cost of acquiring a new customer through the campaign, including the cost of advertising, promotions, and other marketing expenses.
5. Customer Retention Rate: The percentage of customers who continue to do business with the company after the campaign.
6. Return on Ad Spend (ROAS): The revenue generated by the campaign divided by the cost of the advertising, expressed as a percentage.
7. Social Media Metrics: Engagement rates, follower growth, and social media reach can be used to evaluate the success of a social media campaign.
8. Lead Quality: The quality of the leads generated by the campaign, including the likelihood of conversion and the value of the lead.
9. Sales: The direct revenue generated by the campaign, including sales from products or services promoted during the campaign.
10. Brand Awareness: The increase in brand recognition and reputation as a result of the campaign.

Ask me anything...



vhks-canvas-20240319 X DCN00669(1)_QTRCO_IOM_LD X DCN00669(1)_QTRCO_IOM_LDA_ty X SageMaker Canvas X +

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aws workshop studio michael_tw_lin

Generative AI Labs

- Introduction to Generative AI with SageMaker Canvas
- Use Case: Contact Center Intelligence (CCI)
- Information Extraction - Query your own documents**
- Import data into SageMaker Canvas from any source
- Accelerate Data Preparation for Machine Learning
- ML-powered Business Intelligence - Amazon QuickSight
- Operationalize your models -

AWS account access

- Open AWS console (us-west-2) □
- Get AWS CLI credentials

Content preferences

- Language English ▾

Event ends in 2 days 20 hours.

Event dashboard > Technology Labs > Generative AI Labs > Information Extraction - Query your own documents

Information Extraction - Query your own documents

⚠️ If you haven't done so, please follow the previous lab to cover the main capabilities of the SageMaker Canvas chatbot experience. Come back to this lab once you're ready.

Agenda

1. [Introduction](#)
2. [The dataset](#)
3. [Querying your documents](#)
4. [\(Optional\) What if I wanted to use my own documents?](#)

Introduction

SageMaker Canvas lets users ask questions or have conversations and get responses that are grounded in their enterprise's data. Ensuring the results they get back are specific to their context and not some generic replies. This release makes it possible to connect Canvas directly to your existing knowledge-bases or upload new knowledge as/when required and be able to perform conversation-AI in a friction-less manner. A cloud administrator can configure Amazon Kendra indexes as data sources for SageMaker Canvas users, while SageMaker Canvas takes care

Screenshot of the SageMaker Canvas interface showing the "Generate, extract and summarize content" section.

The interface includes a sidebar with navigation icons:

- Home
- Data Wrangler
- My Models
- ML Ops
- Ready-to-use
- Shared Models
- Gen AI (selected)
- Help

Main content area:

- Generate, extract and summarize content**
- + New chat**
- Query documents** (with a red arrow pointing to it)
- Index**: **CanvasImmersionDayIndex**
- Llama-2-7b-Chat**
- Compare**

Bottom input field: **Ask me anything**

SageMaker Canvas

https://catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-advanced-topics/8-genai/3-canvas-entc

michael_tw_lin

aws workshop studio

Generative AI Labs

- Introduction to Generative AI with SageMaker Canvas
- Use Case: Contact Center Intelligence (CCI)
- Information Extraction - Query your own documents**
- Import data into SageMaker Canvas from any source
- Accelerate Data Preparation for Machine Learning
- ML-powered Business Intelligence - Amazon QuickSight
- Operationalize your models -
- AWS account access
- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Content preferences
- Language: English

Event ends in 2 days 19 hours 59 minutes.

What do I do if my L Series type C double acting actuator is leaking?

For the questions asked, the chat will show the answer generated by the foundation model, along with the source documents that contributed to generating the answer. When clicking any of the source documents, SageMaker Canvas opens a preview of the document, highlighting the excerpt used by the foundation model.

Ready-to-use models / Generate, extract and summarize content

DCN00669(1)_QTRCO_IOM_LDA_typeC

Install-Operate-Maintain
L Series type-C Double Acting Actuators

3.5 ROD SEAL AND BUSHING REPLACEMENT

1. Inspect the piston for any corrosion or wear (galling, cracking, etc.). If necessary, clean or wear-in according to a new schedule or instructions. 2. Lubricate the internal surface of the cylinder with a light coat of the correct QTRCO-approved lubricant and slide the cylinder back over the piston and into the cylinder seal groove of the base plate. 3. Place the end cap back over the two nuts. Be sure that the cylinder is seated in the cylinder seal groove of the end cap with the cylinder seal still in place between the cylinder and the base plate. 4. Secure the end cap with the two hex nuts removed in step two. Hand tighten, and then torque the hex nuts to half and then full values according to the table below using the pattern designated.

Model	LIP FT	MM
L10	20	52
L20	31	48
L30	31	48
L40	31	48
L50	31	48
L60	31	48
L70	31	48
L80	31	48
L90	31	48
L100	31	48
L110	31	48
L120	31	48
L130	31	48
L140	31	48
L150	31	48
L160	31	48
L170	31	48
L180	31	48
L190	31	48
L200	31	48
L210	31	48
L220	31	48
L230	31	48
L240	31	48
L250	31	48
L260	31	48
L270	31	48
L280	31	48
L290	31	48
L300	31	48
L310	31	48
L320	31	48
L330	31	48
L340	31	48
L350	31	48
L360	31	48
L370	31	48
L380	31	48
L390	31	48
L400	31	48
L410	31	48
L420	31	48
L430	31	48
L440	31	48
L450	31	48
L460	31	48
L470	31	48
L480	31	48
L490	31	48
L500	31	48
L510	31	48
L520	31	48
L530	31	48
L540	31	48
L550	31	48
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L730	31	48
L740	31	48
L750	31	48
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L770	31	48
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L800	31	48
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L820	31	48
L830	31	48
L840	31	48
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L860	31	48
L870	31	48
L880	31	48
L890	31	48
L900	31	48
L910	31	48
L920	31	48
L930	31	48
L940	31	48
L950	31	48
L960	31	48
L970	31	48
L980	31	48
L990	31	48
L1000	31	48
L1010	31	48
L1020	31	48
L1030	31	48
L1040	31	48
L1050	31	48
L1060	31	48
L1070	31	48
L1080	31	48
L1090	31	48
L1100	31	48
L1110	31	48
L1120	31	48
L1130	31	48
L1140	31	48
L1150	31	48
L1160	31	48
L1170	31	48
L1180	31	48
L1190	31	48
L1200	31	48
L1210	31	48
L1220	31	48
L1230	31	48
L1240	31	48
L1250	31	48
L1260	31	48
L1270	31	48
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L1500	31	48
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L3880	31	48
L3890	31	48
L3900	31	48
L3910	31	48
L3920	31	48
L		



Home



Data Wrangler



My Models



ML Ops



Ready-to-use



Shared Models



Gen AI



Help



Log out

Generate, extract and summarize content

[+ New chat](#)[Query documents](#)Index
CanvasImmersionDayIndex

Llama-2-7b-Chat



What do I do if my L Series type C double acting actuator is leaking?



Based on the provided documents, if your L Series type C double acting actuator is leaking, you should follow these steps:

1. Inspect the piston for any corrosion or wear (pitting, cracking). If excessive corrosion or wear is apparent, a new actuator or actuator components may be necessary.
2. Lubricate the internal surface of the cylinder with a light coat of the correct QTRCO approved lubricant.
3. Slide the cylinder back over the piston and into the cylinder seal groove of the base plate, taking care not to pinch the piston o-ring.
4. Replace the piston o-ring and wiper ring as needed. Be sure to lubricate the new o-ring and wiper ring with the correct QTRCO approved lubricant.
5. Install-Operate-Maintain the L Series type-C Double Acting Actuators according to the instructions provided in the documents.

It is important to note that if you are not comfortable with the maintenance and repair of your actuator, it is recommended to contact QTRCO with any questions at info@qtrco.com or 281-516-0277.

Source

1. DCN00669(1)_QTRCO_IOM_L...
2. DCN00669(1)_QTRCO_IOM_L...
3. DCN00677(1)_QTRCO_IOM_L...
4. DCN00669(1)_QTRCO_IOM_L...
5. DCN00677(1)_QTRCO_IOM_L...



Ask me anything...





Home



Data Wrangler



My Models



ML Ops



Ready-to-use



Shared Models



Gen AI



Help



Log out

Generate, extract and summarize content

+ New chat

Query documents ⓘ

Index

CanvasImmersionDayIndex

DCN00669(1)_QTRCO_IOM_LDA_typeC



Install-Operate-Maintain
L Series type-C Double Acting Actuators



7. Inspect the piston for any corrosion or wear (pitting, cracking). If excessive corrosion or wear is apparent a new actuator or actuator components may be necessary.
8. Lubricate the internal surface of the cylinder with a light coat of the correct QTRCO approved lubricant and slide the cylinder back over the piston and into the cylinder seal groove of the base plate, taking care not to pinch the piston o-ring.
9. Place the end cap back over the tie rods. Be sure that the cylinder is seated in the cylinder seal groove of the end cap with the cylinder seal still in place between the cylinder and the end cap.
10. Secure the end cap with the tie rod hex nuts removed in step two. Hand tighten, and then torque the hex nuts to half and then full values according to the table below using the pattern designated.

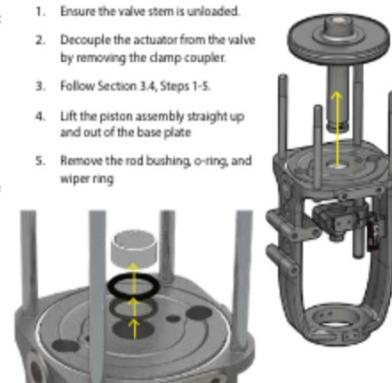
MODEL	LB* FT	Nm
L04	10	14
L06	20	27
L08	35	48
L10	35	48
L12	35	48
L14	56	76
L16	56	76
L20	58	79
L24	87	118



11. Reset the travel stop
12. Leak Test
13. Reinstate the actuator to service

3.5 ROD SEAL AND BUSHING REPLACEMENT

1. Ensure the valve stem is unloaded.
2. Decouple the actuator from the valve by removing the clamp coupler.
3. Follow Section 3.4, Steps 1-5.
4. Lift the piston assembly straight up and out of the base plate
5. Remove the rod bushing, o-ring, and wiper ring



6. Clean the bushing and o-ring grooves of any contaminants.
7. Replace the rod bushing, o-ring, and wiper ring.
8. Fill the remaining space in the grooves with the proper QTRCO approved lubricant.
9. Clean the output rod, inspect for wear or damage, and replace if necessary.
10. Lower the piston assembly back into the baseplate.
11. Lubricate the internal surface of the cylinder with a light coat of the correct QTRCO approved lubricant and slide the cylinder back over the piston and into the cylinder seal groove of the base plate, taking care not to pinch the piston o-ring.
12. Place the end cap back over the tie rods. Be sure that the cylinder is seated in the cylinder seal groove of the end cap with the cylinder seal still in place between the cylinder and the end cap.

∞ Llama-2-7b-Chat



What do I do if my L Series type C double acting actuator is leaking?



Based on the provided documents, if your L Series type C double acting actuator is leaking, you should follow these steps:

1. Inspect the piston for any corrosion or wear (pitting, cracking). If excessive corrosion or wear is apparent, a new actuator or actuator components may be necessary.
2. Lubricate the internal surface of the cylinder with a light coat of the correct QTRCO approved lubricant.
3. Slide the cylinder back over the piston and into the cylinder seal groove of the base plate, taking care not to pinch the piston o-ring.
4. Replace the piston o-ring and wiper ring as needed. Be sure to lubricate the new o-ring and wiper ring with the correct QTRCO approved lubricant.
5. Install-Operate-Maintain the L Series type-C Double Acting Actuators according to the instructions provided in the documents.

It is important to note that if you are not comfortable with the maintenance and repair of your actuator, it is recommended to contact QTRCO with any questions at

info@qtrco.com or 281-516-0277



Ask me anything...



Amazon Kendra

- Indexes
- CanvasImmersionDay
- Data management**
 - Data sources**
 - FAQs
 - Facet definition
 - Search indexed content
 - Enrichments
 - Synonyms
 - Query suggestions
 - Document enrichment
 - Featured results **New**
 - Experiences
 - Analytics

Search results for 's3'

Services

S3 Scalable Storage in the Cloud

S3 Glacier Archive Storage in the Cloud

AWS Snow Family Large Scale Data Transport

Storage Gateway Hybrid Storage Integration

Features

Imports from S3 DynamoDB feature

Batch Operations S3 feature

Buckets

Stop sync Actions ▾

Current sync state
Idle

Next scheduled sync
-

Screenshot of the AWS S3 console showing the account snapshot and general purpose buckets.

Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight (7)

AWS Marketplace for S3

Amazon S3

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Total storage: Pending

Object count: Pending

Average object size: Pending

You can enable advanced metrics in the "default-account-dashboard" configuration.

[View Storage Lens dashboard](#)

General purpose buckets (2) [Info](#)

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	Access	Creation date
kendra-bucket-328140408640	US West (Oregon) us-west-2	Bucket and objects not public	March 18, 2024, 14:39:05 (UTC+08:00)
sagemaker-us-west-2-328140408640	US West (Oregon) us-west-2	Bucket and objects not public	March 18, 2024, 14:35:38 (UTC+08:00)

[Create bucket](#)

[Copy ARN](#)

[Empty](#)

[Delete](#)

SageMaker Canvas

vghks-canvas-20240319

kendra-bucket-328140408640

https://s3.console.aws.amazon.com/s3/buckets/kendra-bucket-328140408640?region=us-west-2&bucketType=general&tab=objects

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 3281-4040-8640

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Amazon S3

Buckets

- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight 7

AWS Marketplace for S3

Amazon S3 > Buckets > kendra-bucket-328140408640

kendra-bucket-328140408640

Info Objects Properties Permissions Metrics Management Access Points

Objects (42) Info

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

DCN00669(1)

1 match

Name	Type	Last modified	Size	Storage class
DCN00669(1)_QTRCO_I OM_LDA_typeC.pdf	pdf	March 18, 2024, 14:39:46 (UTC+08:00)	1.4 MB	Standard

March 18, 2024, 14:39:46 (UTC+08:00)

1.4 MB Standard

Red arrow pointing to the search bar: DCN00669(1)

SageMaker Canvas

vghks-canvas-20240319 DCN00669(1)_QTRCO_IOM_LD SageMaker Canvas

https://s3.console.aws.amazon.com/s3/object/kendra-bucket-328140408640?region=us-west-2&bucketType=general&prefix=DCN00669(1)_QTRCO_IOM_LD_typeC.pdf

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 3281-4040-8640

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Amazon S3 Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight 7

AWS Marketplace for S3

Amazon S3 > Buckets > kendra-bucket-328140408640 > DCN00669(1)_QTRCO_IOM_LDA_typeC.pdf

DCN00669(1)_QTRCO_IOM_LDA_typeC.pdf Info

[Copy S3 URI](#) [Download](#) [Open](#) [Object actions](#)

[Properties](#) [Permissions](#) [Versions](#)

Object overview

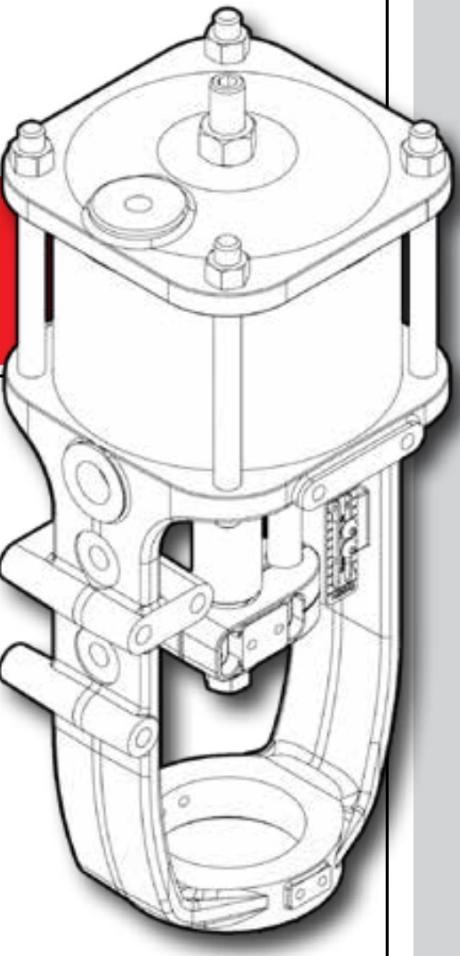
Owner	s3://kendra-bucket-328140408640/DCN00669(1)_QTRCO_IOM_LDA_typeC.pdf
AWS Region	US West (Oregon) us-west-2
Last modified	March 18, 2024, 14:39:46 (UTC+08:00)
Size	1.4 MB
Type	pdf
S3 URI	arn:aws:s3:::kendra-bucket-328140408640/DCN00669(1)_QTRCO_IOM_LDA_typeC.pdf
Amazon Resource Name (ARN)	7cbf9bfff52a5c667aee8d6a5ca517442
Entity tag (Etag)	https://kendra-bucket-328140408640.s3.us-west-2.amazonaws.com/
Object URL	https://kendra-bucket-328140408640.s3.us-west-2.amazonaws.com/

Properties Permissions Versions

Download

I O M
INSTALL-OPERATE-MAINTAIN

L Series type-C
Double Acting Actuators



EAP
M A T I G A C T U A T O R S

https://us-west-2.console.aws.amazon.com/console/home?region=us-west-2#

Services

kendra

Search results for 'kendra'

Services (1)

Amazon Kendra

Highly accurate enterprise search service powered by machine learning

Resources New

Documentation (4,145)

Knowledge Articles (2)

Marketplace (37)

Blogs (113)

Events (4)

Tutorials (1)

Amazon Kendra

Introducing resource search

Enable to show cross-region resources for your account in search results. Takes less than 5 minutes to set up.

Dismiss

Go to Resource Explorer

Amazon Kendra

User Guide

See all 4,145 results ▶

Amazon Kendra

Developer Guide

Amazon Kendra

AWS Whitepaper

+ Add widgets

Create application

fault layout

Originating account

Dismiss

Go to Resource Explorer

Amazon Kendra

User Guide

See all 4,145 results ▶

Amazon Kendra

Developer Guide

Amazon Kendra

AWS Whitepaper

USD)

Cost per month

\$6.00

A screenshot of the AWS Lambda console showing the execution history for a function named "SageMaker Canvas".

The browser tabs are:

- vghks-canvas-20240319
- Amazon Kendra | us-west-2
- SageMaker Canvas

The URL in the address bar is <https://us-west-2.console.aws.amazon.com/kendra/home?region=us-west-2#indexes>.

The AWS navigation bar includes:

- Services
- Search [Option+S]
- Oregon
- WSParticipantRole/Participant @ 3281-4040-8640

The main content area shows the Amazon Kendra service with the following details:

Amazon Kendra > Indexes

Indexes (1) Info

Search Indexes

Index Details:

Name	Status	Creation time	Last modified time	Document count
CanvasImmersionDayIndex	Active	Mar 18, 2024, 2:39 PM GMT+8	Mar 18, 2024, 2:39 PM GMT+8	41

A red arrow points to the index name "CanvasImmersionDayIndex".

Amazon Kendra | us-west-2 SageMaker Canvas

https://us-west-2.console.aws.amazon.com/kendra/home?region=us-west-2#indexes/ea285411-f821-4513-8664-63d44c550b

Services Search [Option+S] Oregon WSParticipantRole/Participant @ 3281-4040-8640

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Amazon Kendra

Indexes

CanvasImmersionDayIndex

Data management

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Enrichments

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CanvasImmersionDayIndex Info

Getting started

Step 1. Create an index
An index is the place where you add your data sources to make them searchable in Amazon Kendra.

Step 2. Add data sources
Add and sync your data from S3, SharePoint, and other databases to your index.

Step 3. Design, tune and share your search experience
Quickly create and customize your search application using Experience Builder. Share your search experience with others using a generated endpoint URL.

 Active  Added  

Index settings

Screenshot of the AWS Lambda console showing the execution history for the function "vghks-canvas-20240319".

The browser tabs are:

- vghks-canvas-20240319
- Amazon Kendra | us-west-2
- SageMaker Canvas

The URL in the address bar is: <https://us-west-2.console.aws.amazon.com/kendra/home?region=us-west-2#indexes/ea285411-f821-4513-8664-63d44c550b>

The AWS Services navigation bar includes:

- EC2
- VPC
- RDS
- S3
- Support
- Amazon SageMaker
- AWS DeepRacer
- CloudFormation

The Amazon Kendra sidebar shows:

- Indexes
- CanvasImmersionDayIndex
- Data management
 - Data sources** (selected)
 - FAQs
 - Facet definition
 - Search indexed content
- Enrichments
 - Synonyms
 - Query suggestions
 - Document enrichments
 - Featured results **New**
- Experiences
- Analytics

The main content area displays the "Data sources" page for the "CanvasImmersionDayIndex".

Page Headers:

- Amazon Kendra > Indexes > CanvasImmersionDayIndex > Data sources
- Data sources (1) Info
- Sync now | Stop sync | Actions ▾ | Add data source

Search bar: Search data sources by Name, Source, or Data source state

Table Headers:

Name	Source	Data source state	Default language	Last sync time	Last sync status
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Table Data:

kendra-S3DataSource	S3	Active	English (en)	Mar 18, 2024, 8:22 PM GMT+8	Succeeded
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A red arrow points to the "kendra-S3DataSource" link in the table.

Amazon Kendra | us-west-2 SageMaker Canvas

https://us-west-2.console.aws.amazon.com/kendra/home?region=us-west-2#indexes/ea285411-f821-4513-8664-63d44c550b

Services Search [Option+S] Oregon WSParticipantRole/Participant @ 3281-4040-8640

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Amazon Kendra

Indexes

CanvasImmersionDayIndex

Data management

- Data sources** (Active)
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- Featured results **New**

Experiences

Analytics

Amazon Kendra > Indexes > CanvasImmersionDayIndex > Data sources > kendra-S3DataSource

kendra-S3DataSource [Info](#)

Sync now Stop sync Actions ▾

Data source details

Name	kendra-S3DataSource	Status	Active	Last sync status	Successful - service is operating normally	Current sync state	Idle
Description	-	Type	S3	Last sync time	Mar 18, 2024, 8:21 PM GMT+8	Next scheduled sync	-
Data source ID	53a6a795-6d3c-4769-80bb-5a171a00b6a3	IAM role ARN	arn:aws:iam::328140408640:role/kendra-DataSourceRole				
Default language	Info						
	English (en)						

Sync history Settings Tags

► Sync history reports - optional [Info](#)

Sync history reports track each file's status during sync run. Reports are auto-generated and saved in your Amazon S3 bucket.



Screenshot of the AWS Lambda console showing the configuration of a Lambda function named "kendra-indexer".

The Lambda function is triggered by an S3 event from the bucket "kendra-bucket-328140408640". The function is written in Python and uses the AWS SDK for Python (Boto3). The code is as follows:

```
import json
import boto3
from botocore.exceptions import ClientError

def lambda_handler(event, context):
    s3 = boto3.client('s3')
    bucket_name = event['Records'][0]['s3']['bucket']['name']
    object_key = event['Records'][0]['s3']['object']['key']

    try:
        response = s3.get_object(Bucket=bucket_name, Key=object_key)
        print(f"Object {object_key} found in {bucket_name}.")
        # Process the object here...
    except ClientError as e:
        print(f"An error occurred: {e}")

    return {
        'statusCode': 200,
        'body': json.dumps('Indexing completed.')
    }
```

The Lambda function has a timeout of 10 seconds and a memory limit of 128 MB. It is part of the "kendra" layer.

Thank you!

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