

# LABELING JOBS PRACTICAL

[Amazon S3](#) > [Buckets](#) > images1

images1 [Info](#)

[Objects](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

Objects (2) [Info](#)

Copy S3 URI

Copy URL

Download

Open [↗](#)



Delete

A

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) [↗](#) to get a list of all objects in your bucket. For others to access your objects, you'll need t

Find objects by prefix

Show versions

<input type="checkbox"/>	Name	Type	Last modified	Size
<input type="checkbox"/>	 <a href="#">flowers.jpg</a>	jpg	April 22, 2024, 09:44:41 (UTC+05:30)	
<input type="checkbox"/>	 <a href="#">forest.jpg</a>	jpg	April 22, 2024, 09:44:42 (UTC+05:30)	

Go to aws sagemaker

Create a role

And give policy of full access

[Files and folders](#) | [Configuration](#)

Files and folders (2 Total, 308.3 KB)

Find by name

Name	Folder	Type	Size	Status	Error
<a href="#">flowers.jpg</a>	-	image/jpeg	100.6 KB	✔ Succeeded	-
<a href="#">forest.jpg</a>	-	image/jpeg	207.7 KB	✔ Succeeded	-



Step 2: Configure ML activities

Edit

ML activities

Selected ML activities

Run Studio Applications

Manage Models

Search and visualize experiments

Manage ML Jobs

Manage Experiments

S3 Bucket Access

Step 3: Add additional policies and tags

Edit

Add additional policies to this role

AmazonSageMakerFullAccess

Role created

AmazonSageMaker-ExecutionRole-20240403T203951

Info

Delete

Amazon SageMaker execution role created from the SageMaker AWS Management Console.

Summary

Edit

Creation date

April 03, 2024, 20:39 (UTC+05:30)

ARN

arn:aws:iam::796329916611:role/service-role/AmazonSageMaker-ExecutionRole-20240403T203951

Last activity

11 minutes ago

Maximum session duration

1 hour

Amazon SageMaker > Labeling jobs > Create labeling job

Step 1

Specify job details

Step 2

Select workers and configure tool

Specify job details

All fields are required unless otherwise specified

Job overview

Job name

Name-of-labeling-job

Maximum of 63 alphanumeric characters. Can include hyphens (-), but not spaces. Must be unique within your account.

☐ I want to specify a label attribute name different from the labeling job name.

Label attribute name is the key where your labels are stored in the augmented manifest. Ground Truth uses the label attribute name.

#### Job name

myjob

Maximum of 63 alphanumeric characters. Can include hyphens (-), but not spaces. Must be unique within your account in an AWS Region.

☐ I want to specify a label attribute name different from the labeling job name.

Label attribute name is the key where your labels are stored in the augmented manifest. Ground Truth uses the labeling job name as the default label attribute name.

#### Input data setup [Info](#)

Use the automated setup to have Ground Truth automatically identify your dataset in S3. Use the manual setup if you have an input manifest file.

##### ☒ Automated data setup

Provide the S3 location of the dataset you want labeled and let Ground Truth automatically connect to and use this dataset for your job.

##### ☐ Manual data setup

Provide the S3 location of a file (an input manifest file) that identifies the data objects you want labeled

#### Data setup

##### S3 location for input datasets [Info](#)

This is the location in S3 where your dataset objects are stored. Ground Truth will use all data objects in this location for your labeling job.

[View](#)

[Browse S3](#)

##### S3 location for output datasets [Info](#)

This is the location in S3 where your labeling job output data is stored.

☒ Same location as input dataset

☐ Specify a new location

#### Data type

#### Data setup

##### S3 location for input datasets [Info](#)

This is the location in S3 where your dataset objects are stored. Ground Truth will use all data objects in this location for your labeling job.



[View](#)

[Browse S3](#)

##### S3 location for output datasets [Info](#)

This is the location in S3 where your labeling job output data is stored.

☐ Same location as input dataset

☒ Specify a new location



[View](#)

[Browse S3](#)

#### Data type

Image

Supported formats are .jpg, .jpeg, and .png.



#### IAM Role [Info](#)

Provide the ID or ARN for your own AWS KMS encryption key for Amazon SageMaker to access your S3 bucket. Choose a role or let us create a role with the [AmazonSageMakerFullAccess](#) IAM policy attached.

AmazonSageMaker-ExecutionRole-20240417T200390



Use this button to process and complete your input data setup.

## Task type [Info](#)

### Task category

Select the type of data being labeled to view available task templates for it or select 'Custom' to create your own.

Image ▼

### Task selection

Select the task that a human worker will perform to label objects in your dataset.

☐ Image Classification (Single Label)

Get workers to categorize images into individual classes. [Info](#)



☐ Image Classification (Multi-label)

Get workers to categorize images into one or more classes. [Info](#)



☒ Bounding box

Get workers to draw bounding boxes around specified objects in your images. [Info](#)



☐ Semantic segmentation

Get workers to draw pixel level labels around specific objects and segments in your images. [Info](#)



Click create

## SELECT WORKERS

## Workers [Info](#)

### Worker types

☐ Amazon Mechanical Turk

An on-demand 24/7 workforce of over 500,000 independent contractors worldwide powered by Amazon Mechanical Turk.

☒ Private

A team of workers that you have sourced yourself, including your own employees or contractors for handling data that needs to stay within your organization.

☐ Vendor managed

A curated list of third party vendors that specialize in providing data labeling services, available via the AWS Marketplace.

### Team name

Maximum of 63 alphanumeric characters. Can include hyphens, but not spaces. Must be unique within your account in an AWS Region. The name can't be changed later.

### Invite private annotators

Enter email addresses of workers that will work on this job.

heetoxgags1729@gmail.com, narsinghanitinajgd@gmail.com,  
arisha09akhtar@gmail.com, roshnipanda26@gmail.com, roshni.panda@somaiya.edu, roshnipanda25@gmail.com, shafq11in@yahoo.co.in, breemajelly@gmail.com

Enter up to 20 addresses and use a comma between each one.

### Organization

We use this information to customize the worker invitation.

NMIMS WORK

### Contact email



Workers can use this to report issues related to the job.

shaikhsharmin857@gmail.com


Enter one email address only.

☐ Enable automated data labeling [Info](#)


Amazon SageMaker will automatically label a portion of your dataset. It will train a model in your AWS account using Built-in Algorithm and dataset. When you enable this, training jobs use new computing resources on your behalf. For cost information, See SageMaker [pricing](#) [↗](#)

H1 H2 B I A  

**Good example**  
Draw the box around the object with a small border.


  
Add image here

**Bad example**  
Don't make the bounding box too large or cut into the object.

  
Add image here

Enter a brief description of the task

Draw a box around any flowers in image




**Labels**  
Add up to 50 labels  
flowers  
**Add new label**  
You can add 49 more labels.

CREATE THE JOB


NEXT STEP



## Monitoring Your Labeling Job

 Labeling job myjob was successfully created.

[Amazon SageMaker](#) > Labeling jobs

### Labeling jobs [Info](#)



	Name	Status	Task type	Labeled objects
	myjob	 In progress	Bounding box	-



JOB SUMMARY IS VISIBLE IN THE JOBS SECTION

myjob

Actions

Labeling job summary

View labeling tool

Status In progress	Input dataset location <a href="#">s3://images1/dataset-20240422T100581.manifest</a>	ARN arn:aws:sagemaker:us-west-2:796329916611:labeling-job/myjob
Task type Bounding box	Output dataset location <a href="#">s3://images1/myjob/</a>	Worker type Private
Creation time Apr 22, 2024, 4:56 AM UTC	Labeled / total dataset objects 0 / 2	Workteam ARN <a href="#">arn:aws:sagemaker:us-west-2:796329916611:workteam/private-crowd/AWS</a>

Output

Tags

Output


Tags

Labeled dataset objects (2)


Query output

< 1 ... > ⚙

flowers.jpg



forest.jpg



PERFORM ACTIONS ON THE JOB

- CLONE
- CHAIN
- STOP

Amazon SageMaker > Labeling jobs > Create labeling job

Step 1

Specify job details

Step 2

Select workers and configure tool

# Specify job details

All fields are required unless otherwise specified

## Job overview

Job name

myjob-clone

Maximum of 63 alphanumeric characters. Can include hyphens (-), but not spaces. Must be unique within your account in an AWS Region.

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Input data setup [Info](#)

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☐ Automated data setup

Provide the S3 location of the dataset you want labeled and let Ground Truth automatically connect to and use this dataset for your job.

☒ Manual data setup

Provide the S3 location of a file (an input manifest file) that identifies the data objects you want labeled

Input dataset location [Info](#)

myjob-clone

Actions

Labeling job summary

View labeling tool

Status <div>In progress</div>	Input dataset location <div>s3://images1/dataset-20240422T100581.manifest</div>	ARN <div>arn:aws:sagemaker:us-west-2:796329916611:labeling-job/myjob-clone</div>
Task type <div>Bounding box</div>	Output dataset location <div>s3://images1/myjob-clone/</div>	Worker type <div>Private</div>
Creation time <div>Apr 22, 2024, 5:05 AM UTC</div>		Workteam ARN <div>arn:aws:sagemaker:us-west-2:796329916611:workteam/private-crowd/AWS</div>

Output

Tags



dataset-20240422T100581.manifest

Info

Copy S3 URI

Download

Open

Object actions

Properties

Permissions

Versions

Object overview

Owner

shaikhsharmin857

AWS Region

US West (Oregon) us-west-2

Last modified

April 22, 2024, 10:05:47 (UTC+05:30)

Size

83.0 B

Type

manifest

S3 URI

s3://images1/dataset-20240422T100581.manifest

Amazon Resource Name (ARN)

arn:aws:s3:::images1/dataset-20240422T100581.manifest

Entity tag (Etag)

628e5167c9650b5cad4f6a83d4e61550-1

Object URL

https://images1.s3.us-west-2.amazonaws.com/dataset-20240422T100581.manifest

STOP THE JOB

Stop job myjob

This labeling job was created on Apr 22, 2024, 4:56 AM UTC

If you stop this labeling job, you will not be able to start it again. Do you want to continue?

Cancel

Stop job