

Setting up Amazon SageMaker

Steps to create Notebook Instance



Steps to create Notebook Instance

1. Open the sagemaker console:

<https://console.aws.amazon.com/sagemaker/>



Ground Truth

Set up and manage labeling jobs for highly accurate training datasets using active learning and human labeling.

Labeling jobs



Notebook

Availability of AWS and SageMaker SDKs and sample notebooks to create training Jobs and deploy models.

Notebook instances



Training

Train and tune models at any scale. Leverage high performance AWS algorithms or bring your own.

Training jobs

Hyperparameter tuning jobs



Inference

Create models from training jobs or import external models for hosting to run inferences on new data.

Models

Endpoints

Batch transform jobs



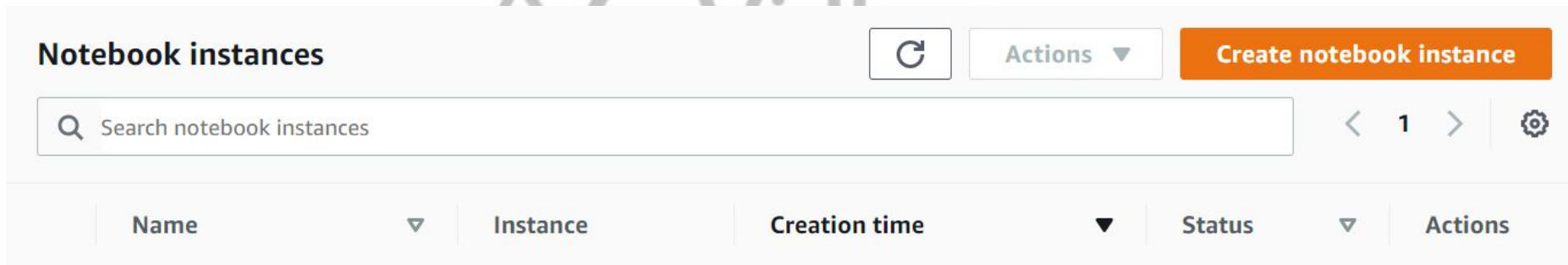
Processing Run

Pre- or post-processing and model evaluation workloads with a fully managed experience.

Processing jobs

Steps to create Notebook Instance

1. Open the sagemaker console:
<https://console.aws.amazon.com/sagemaker/>
2. Select Notebook instances

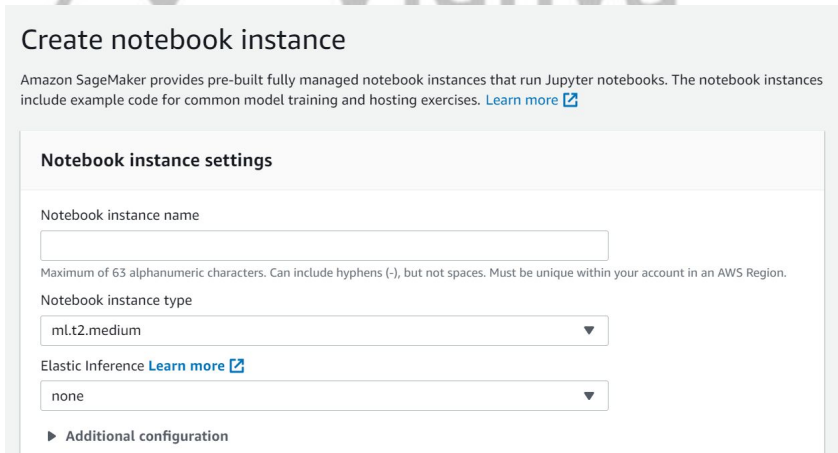


The screenshot shows the AWS SageMaker console interface for managing notebook instances. At the top, there's a header with the title "Notebook instances", a refresh button, an "Actions" dropdown menu, and a prominent orange "Create notebook instance" button. Below the header is a search bar labeled "Search notebook instances". To the right of the search bar are navigation controls showing a left arrow, the number "1", a right arrow, and a settings gear icon. The main content area is a table with the following columns: "Name", "Instance", "Creation time", "Status", and "Actions". Each column header has a small downward arrow indicating it is sortable.

Name	Instance	Creation time	Status	Actions
------	----------	---------------	--------	---------

Steps to create Notebook Instance

1. Open the sagemaker console:
<https://console.aws.amazon.com/sagemaker/>
2. Select Notebook instances
3. Go to Create notebook instance



Create notebook instance

Amazon SageMaker provides pre-built fully managed notebook instances that run Jupyter notebooks. The notebook instances include example code for common model training and hosting exercises. [Learn more](#)

Notebook instance settings

Notebook instance name

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

Notebook instance type

ml.t2.medium

Elastic Inference [Learn more](#)

none

► Additional configuration

Steps to create Notebook Instance

1. Open the sagemaker console:
<https://console.aws.amazon.com/sagemaker/>
2. Select Notebook instances
3. Go to Create notebook instance
 - a. Give an instance name
 - b. Select an instance type

Steps to create Notebook Instance

1. Open the sagemaker console:
<https://console.aws.amazon.com/sagemaker/>
2. Select Notebook instances
3. Go to Create notebook instance
 - a. Give an instance name
 - b. Select an instance type
 - c. Create a new IAM (Identity and access management) role

Permissions and encryption

IAM role

Notebook instances require permissions to call other services including SageMaker and S3. Choose a role or let us create a role with the [AmazonSageMakerFullAccess](#) IAM policy attached.

AmazonSageMaker-ExecutionRole-20210210T193474 ▼

Steps to create Notebook Instance

1. Open the sagemaker console:
<https://console.aws.amazon.com/sagemaker/>
2. Select Notebook instances
3. Go to Create notebook instance
 - a. Give an instance name
 - b. Select an instance type
 - c. Create a new IAM (Identity and access management) role
4. Create notebook instance

Steps to create S3 Bucket

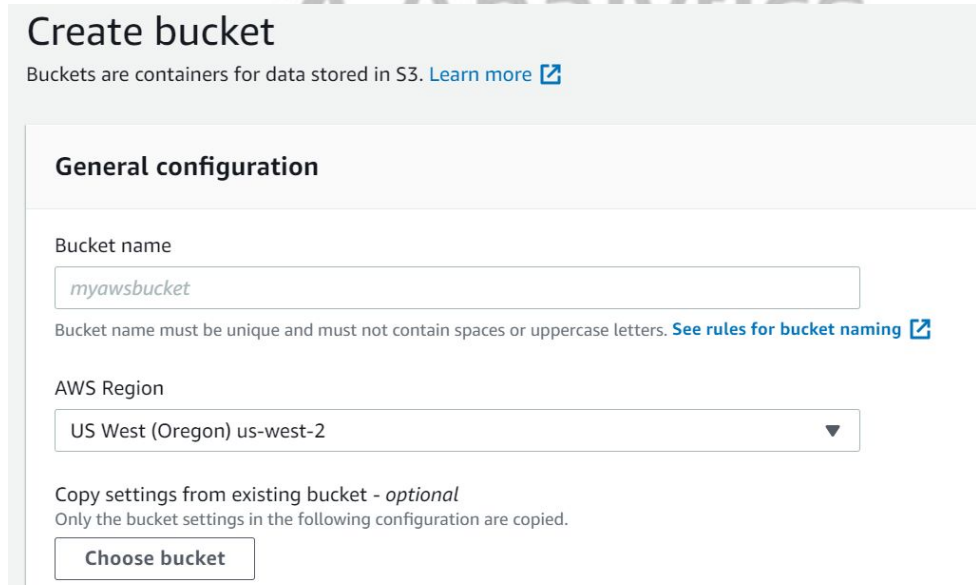
1. Go to:

<https://s3.console.aws.amazon.com/s3/>



Steps to create S3 Bucket

1. Go to:
<https://s3.console.aws.amazon.com/s3/>
2. Create a bucket



The screenshot shows the 'Create bucket' page in the AWS S3 console. At the top, it says 'Create bucket' with a subtitle 'Buckets are containers for data stored in S3. [Learn more](#)'. Below this is a section titled 'General configuration'. It contains a 'Bucket name' field with the text 'myawsbucket' and a note that the name must be unique and not contain spaces or uppercase letters, with a link to 'See rules for bucket naming'. The 'AWS Region' is set to 'US West (Oregon) us-west-2' via a dropdown menu. At the bottom, there is a section for 'Copy settings from existing bucket - optional' with a 'Choose bucket' button.

Create bucket

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name

myawsbucket

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

US West (Oregon) us-west-2

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Choose bucket

Thank You