

READ ME FILE

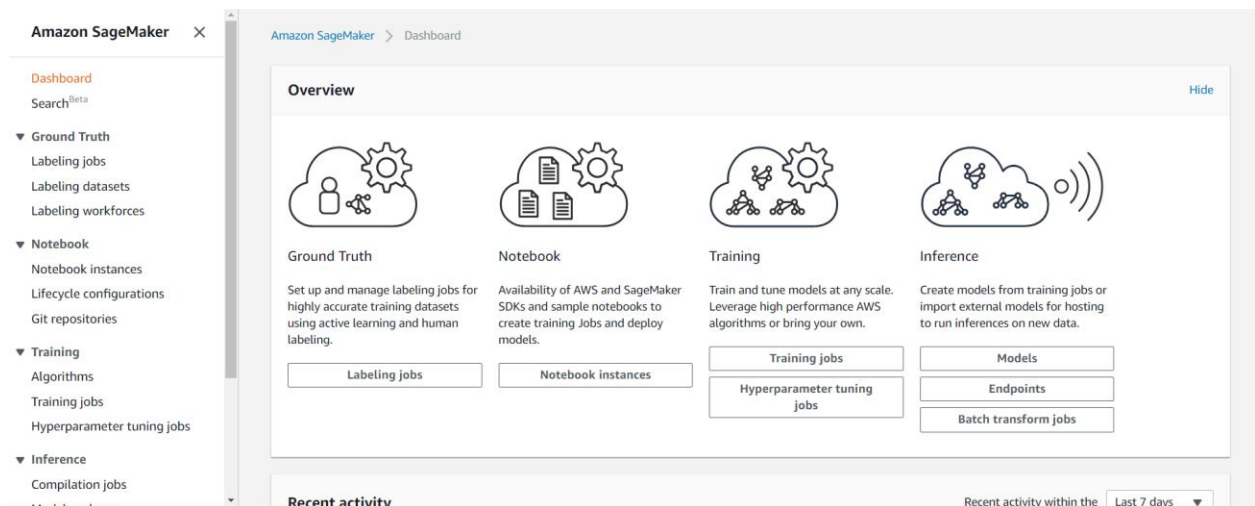
Open <https://aws.amazon.com/> in any browser .

Sign up using your email

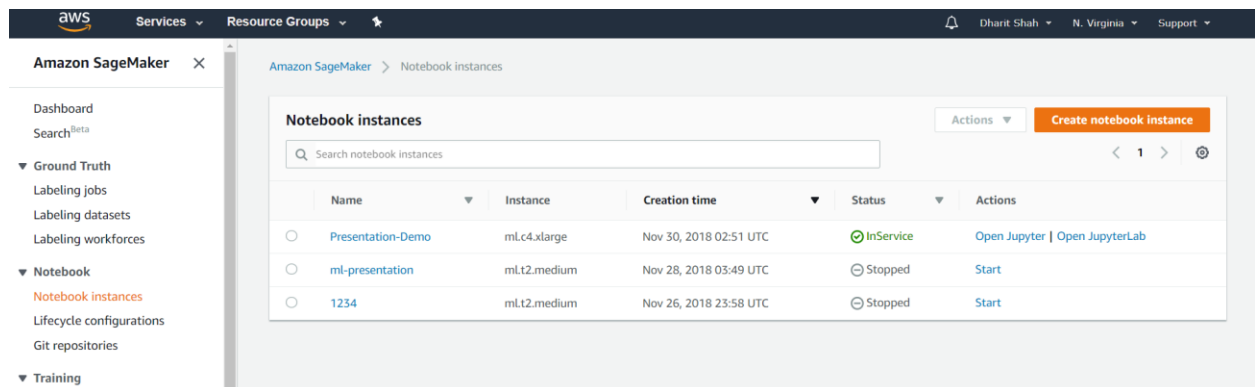
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Now Log in to your account and go to products - > Machine Learning - > Amazon Sagemaker

Sagemaker is End to end framework to machine learning to build and deploy model



Then create/deploy your jupyter notebook from notebook instance



I have already create a jupyter notebook .You can create by clicking on 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
ADS-DEMO
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

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-20181127T224835

VPC - optional
Your notebook instance will be provided with SageMaker provided internet access because a VPC setting is not specified.
No VPC

Lifecycle configuration - optional
Customize your notebook environment with default scripts and pluinns.

Lifecycle Configuration

It is basically a service that can be combined with your jupyter notebook

So whatever libraries you want you can install in this notebook and combined it with original jupyter notebook instance.

So whenever you open jupyter instance those libraries are already installed.

Create lifecycle configuration

Configuration setting

Name
Libraries-for-jupyter-notebook-preinstalled
Alphanumeric characters and "-", no spaces. Maximum 63 characters.

Scripts

[Start notebook](#) [Create notebook](#)

This script will be run each time an associated notebook instance is started, including during initial creation. If the associated notebook instance is already started, it will be run the next time it is stopped and started.

```
1 #!/bin/bash
2
3 set -e
4
```

Notebook Configuration

Amazon SageMaker

Dashboard

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Ground Truth

Labeling jobs

Labeling datasets

Labeling workforces

Notebook

Notebook instances

Lifecycle configurations

Git repositories

Training

Algorithms

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Hyperparameter tuning jobs

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Compilation jobs

Model packages

Amazon SageMaker > Notebook instances > Create notebook instance

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Training Job

aws

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Amazon SageMaker > Training jobs > Create training job

Create training job

When you create a training job, Amazon SageMaker sets up the distributed compute cluster, performs the training, and deletes the cluster when training has completed. The resulting model artifacts are stored in the location you specified when you created the training job. [Learn more](#)

Job settings

Job name

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

IAM role

Amazon SageMaker requires permissions to call other services on your behalf. Choose a role or let us create a role that has the AmazonSageMakerFullAccess IAM policy attached.

AmazonSageMaker-ExecutionRole-20181127T224835

Algorithm options

Use an Amazon SageMaker built-in algorithm, your own algorithm, or a third-party algorithm from AWS Marketplace.

Algorithm source

☒ Amazon SageMaker built-in algorithm [Learn more](#)

☐ Your own algorithm resource

Create a Model

Apps

Facebook - Log In or

Footwear , RedTape |

Competition | Nikon

Empire

Just Wanna be with y

Electric Guitars | eBay

AskMen.com

we7 - Various Artists

aws

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AWS Marketplace

Amazon SageMaker > Models > Create model

Create model

To deploy a model to Amazon SageMaker, first create the model by providing the location of the model artifacts and inference code. See [Deploying a Model on Amazon SageMaker Hosting Services](#) [Learn more about the API](#)

Model settings

Model name

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

IAM role

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AmazonSageMaker-ExecutionRole-20181127T224835

Network

VPC - optional

For better security, we recommend that you use a private VPC.

No VPC

Create ENDPOINT

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AWS Marketplace

Amazon SageMaker > Endpoints > Create and configure endpoint

Create and configure endpoint

To deploy models to Amazon SageMaker, first create an endpoint. Provide an endpoint configuration to specify which models to deploy and the hardware requirements for each. See [Deploying a Model on Amazon SageMaker Hosting Services](#) [Learn more about the API](#)

Endpoint

Endpoint name

Your application uses this name to access this endpoint.

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

Attach endpoint configuration

☒ Use an existing endpoint configuration

Use an existing endpoint configuration or clone an endpoint configuration.

☐ Create a new endpoint configuration

Add models and configure the instance and initial weight for each model.

Follow Documentation For Machine Learning and Sagemaker

<https://docs.aws.amazon.com/machine-learning/latest/dg/what-is-amazon-machine-learning.html>

<https://docs.aws.amazon.com/sagemaker/latest/dg/whatis.html>

<https://www.youtube.com/watch?v= wkVKsaX61A&t=780s>

<https://www.youtube.com/watch?v=TzLuAjhfSrE&t=1639s>