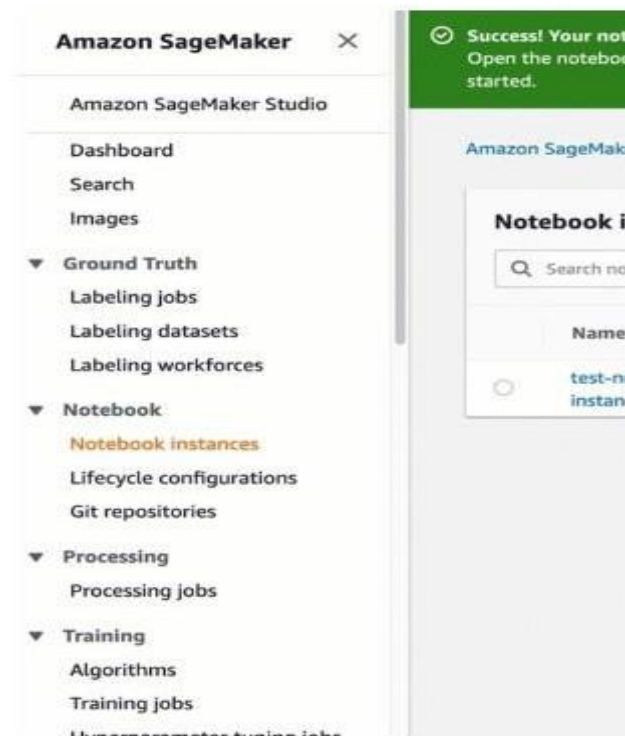


Practical-8 Creating Sagemaker Notebook

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Roll No: A061

1. Open the Amazon SageMaker at <https://console.aws.amazon.com/sagemaker/>.
2. Choose Notebook instances, and then choose Create notebook instance.

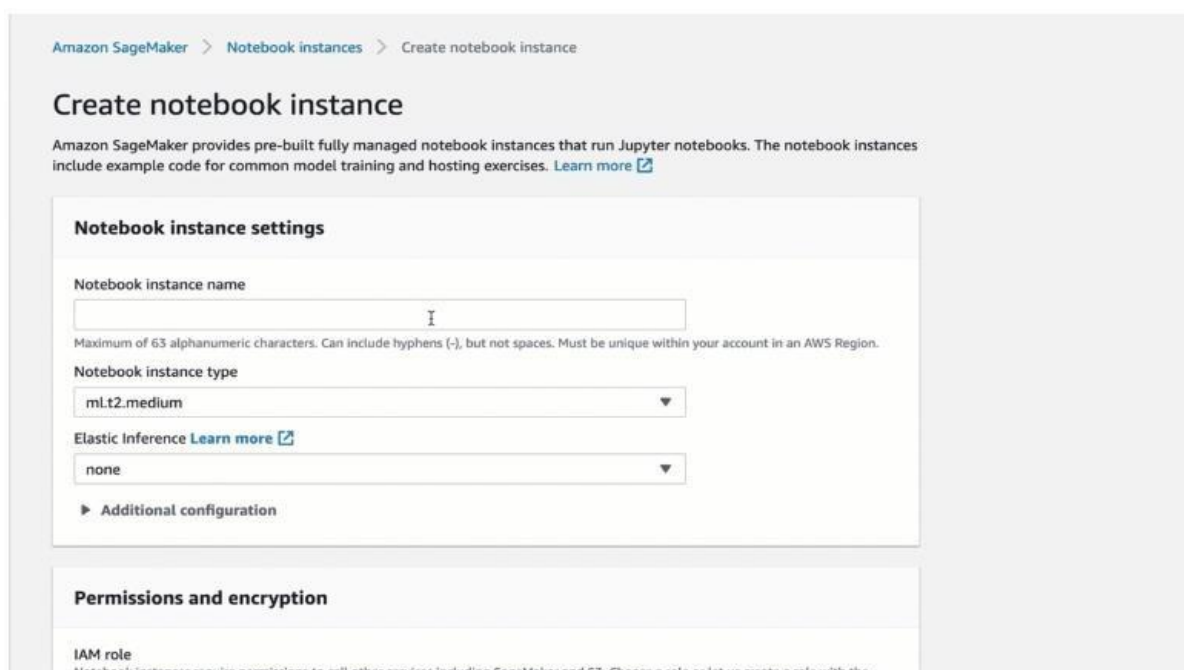
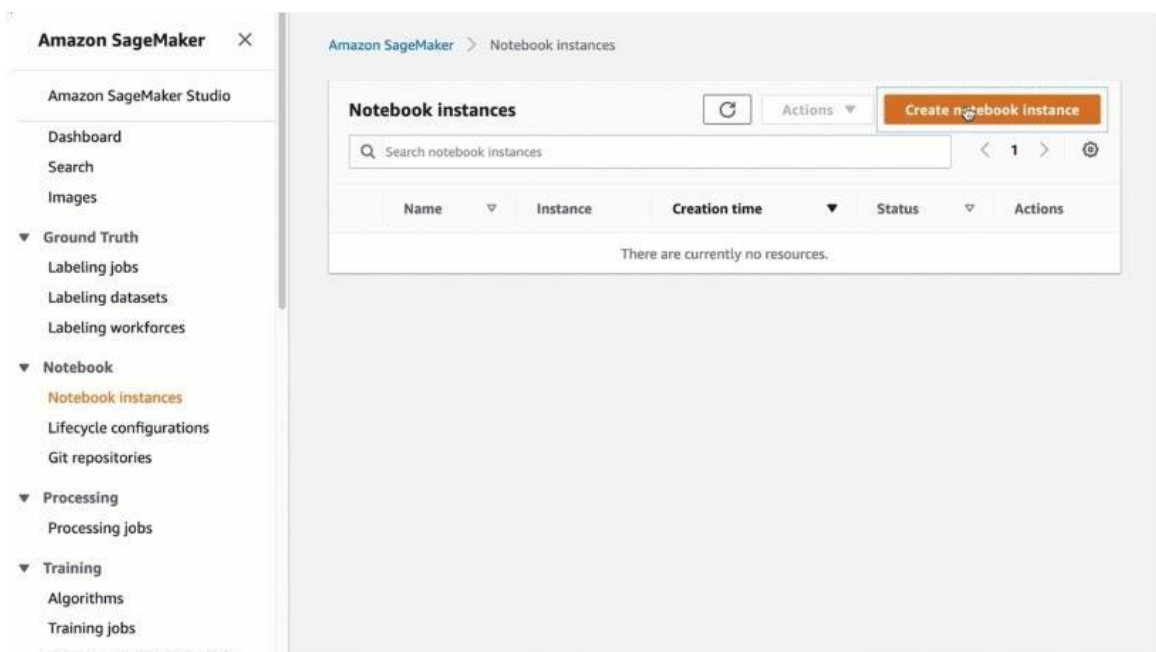


3. On the Create notebook instance page, provide the following information (if a field is not mentioned, leave the default values):
 - a. For Notebook instance name, type a name for your notebook instance.
 - b. For Notebook Instance type, choose ml.t2.medium. This is the least expensive instance type that notebook instances support, and is enough for this exercise. If a ml.t2.medium instance type isn't available in your current AWS Region, choose ml.t3.medium.
 - c. For Platform Identifier, choose a platform type to create the notebook instance on. This platform type defines the Operating System and the JupyterLab version that your notebook instance is created with. For information about platform identifier type, see Amazon Linux 2 notebook instances. For information about JupyterLab versions, see JupyterLab versioning.
 - d. For IAM role, choose Create a new role, and then choose Create role. This IAM role automatically gets permissions to

access any S3 bucket that has sagemaker in the name. It gets these permission through the AmazonSageMakerFullAccess policy, which SageMaker attaches to the role.

e. Choose Create notebook instance.

- a. In a few minutes, SageMaker launches a notebook instance and attaches a 5 GB of Amazon EBS storage volume to it. The notebook instance has a preconfigured Jupyter notebook server, SageMaker and AWS SDK libraries, and a set of Anaconda libraries.



ml.t2.medium

Elastic Inference [Learn more](#)

none

► Additional configuration

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.

SageMaker-ExecutionRole-Test

Root access - optional
☒ **Enable** - Give users root access to the notebook
☐ **Disable** - Don't give users root access to the notebook
Lifecycle configurations always have root access


Encryption key - optional
Encrypt your notebook data. Choose an existing KMS key or enter a key's ARN.

No Custom Encryption

► **Network - optional**

[AmazonSageMakerFullAccess](#) IAM policy attached.

AmazonSageMaker-ExecutionRole-20210201T182673

 **Success! You created an IAM role.**
[AmazonSageMaker-ExecutionRole-20210201T182673](#)

Root access - optional
☒ **Enable** - Give users root access to the notebook
☐ **Disable** - Don't give users root access to the notebook
Lifecycle configurations always have root access

Encryption key - optional
Encrypt your notebook data. Choose an existing KMS key or enter a key's ARN.

No Custom Encryption

► **Network - optional**

► **Git repositories - optional**

► **Tags - optional**

Cancel

Create notebook instance

Amazon SageMaker

Amazon SageMaker Studio

Dashboard

Search

Images

▼ Ground Truth

Labeling jobs

Labeling datasets

Labeling workforces

▼ Notebook

Notebook instances

Lifecycle configurations

Git repositories

▼ Processing

Processing jobs

▼ Training

Algorithms

Training jobs

Success! Your notebook instance is being created.

Open the notebook instance when status is InService and open a template notebook to get started.

View details

Amazon SageMaker

Notebook instances

Notebook instances

Actions

Create notebook instance

Search notebook instances

< 1 >

| | Name | Instance | Creation time | Status | Actions |
|--|------------------------|--------------|------------------------|-----------|--------------------------------|
| | test-notebook-instance | ml.t2.medium | Feb 02, 2021 02:28 UTC | InService | Open Jupyter Open JupyterLab |

Here have opened jupyter lab, we can also use jupyter notebook as well.

