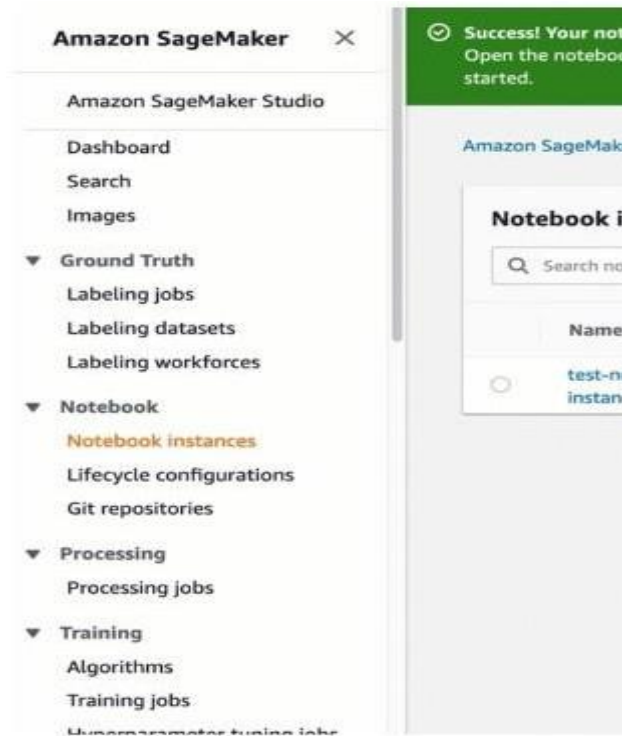


Name: Khan Sumaiya
Roll No: A031

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

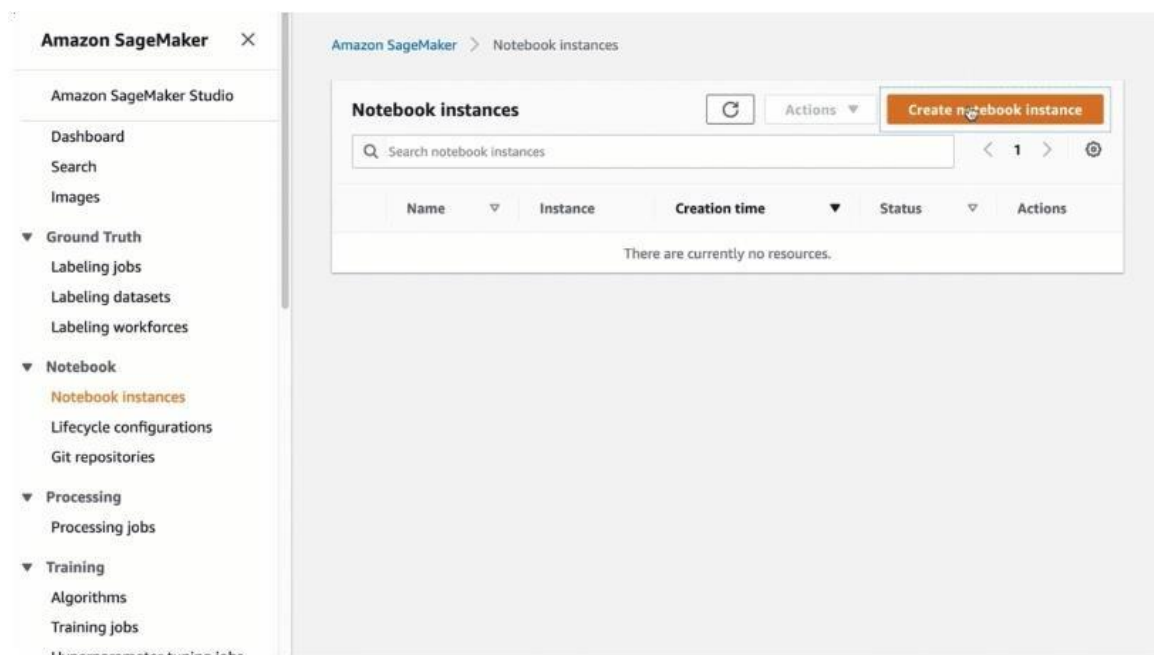


3. On the **Create notebook instance** page, provide the following information (if a field is not mentioned, leave the default values):
 - a. For **Notebook instance name**, type a name for your notebook instance.
 - b. For **Notebook Instance type**, choose `m1.t2.medium`. This is the least expensive instance type that notebook instances support, and is enough for this exercise. If a `m1.t2.medium` instance type isn't available in your current AWS Region, choose `m1.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 permissions

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.



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

Elastic Inference [Learn more](#)

▶ 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

Elastic Inference [Learn more](#)

▶ 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.

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.

▶ 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

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Algorithms

Training jobs

Hyperparameter tuning 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

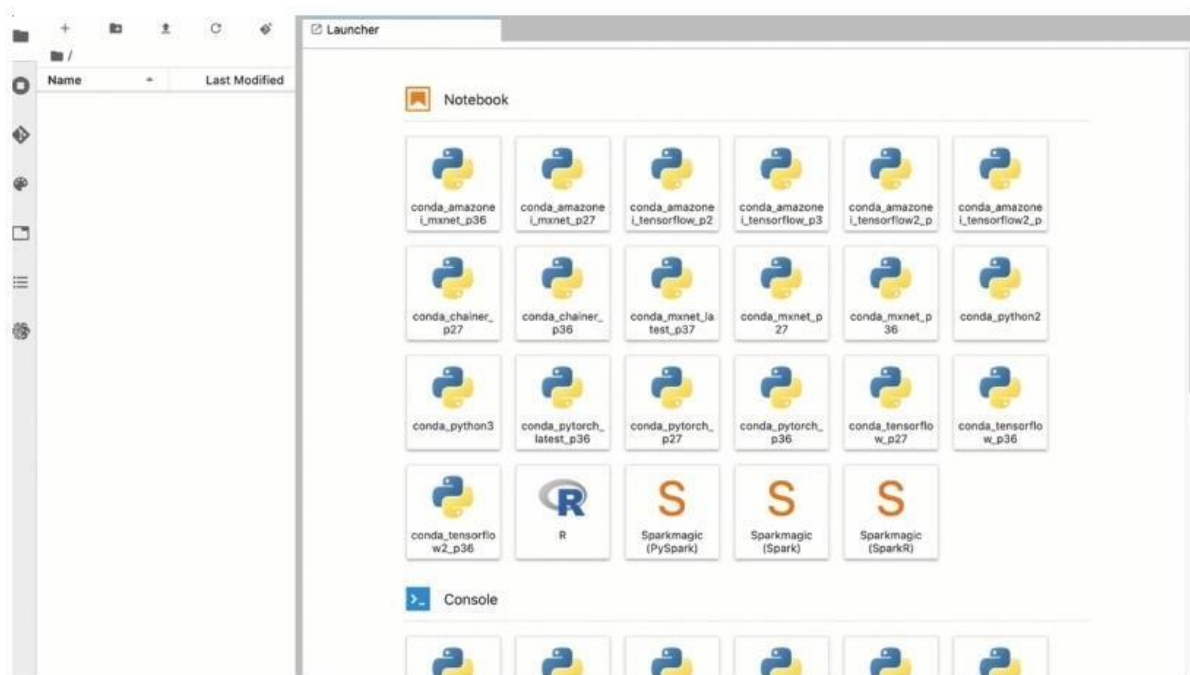
Notebook instances

Search notebook instances

< 1 >

Create notebook instance

	Name	Instance	Creation time	Status	Actions
<input type="radio"/>	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