**Data Bricks On AWS**

[Data Bricks SignUp Link](https://accounts.cloud.databricks.com/login)

Keep the AWS account Open and finish the Sign Up Registration process.

Use Manual process to create a Databricks workspace

Click on Create workspace

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Use the following instructions to create a workspace with Manual.

1. In your account console, click the Workspaces tile.

2. Click the Create workspace dropdown and select Manual.

3. On the Let’s set up your workspace page, enter the following:

• A user-friendly Workspace name.

• The AWS region you want to host your Databricks workspace in (typically, choose the region closest to your primary work location). In this case choose **us-east-2**

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There are four steps in creating the workspace,

* General
* Storage
* Credentials
* Summary

1. In General give the workspace name and select the region. Click on Next

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2. In Storge step choose Create Storage Configuration give a storage configuration name.

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You will be given access to an AWS account that's already set up with two IAM roles specifically designed for Databricks deployment and storage configurations. The roles are named **"Workspace-Deployment-Role"** and **"Workspace-Storage-Role"** respectively. Additionally, you'll be provided with an S3 bucket that begins with the **AWS account ID given to you**. This bucket will serve as the primary storage location for your data assets. These resources have been configured to facilitate your workflow seamlessly within the Databricks environment

Go to AWS console copy the S3 Bucket name and **Workspace-Storage-Role** IAM role

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Give the above copied bucket name, storage role ARN in Bucket and Role fields of storage settings.

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Click on create storage configuration and continue.

3. For Databricks to launch clusters in your AWS account, you will need to create a cross-account IAM role that gives access to Databricks. You are responsible for the AWS cost of clusters you create. Select a credential you created previously, or a create a new one.

Choose Add new credentials and give a name to it.

In AWS IAM Console, Copy the **Workspace-Deployment-Role** ARN and give it in Role ARN field

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Click on Create credentials and continue

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Before moving on to 4th step, you are supposed to edit the Deployment, Storage IAM trust relationship policy and S3 bucket permissions policy.

Copy the account ID from your Databricks account.

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Go to AWS IAM console, select and open **"Workspace-Deployment-Role".** Select the Trust relationships section and change the ExternalId with your Databricks ID

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Similarly, do it for the **"Workspace-Storage-Role".** Select the Trust relationships section and change the ExternalId with your Databricks ID and update the Principal AWS section as well.

In Principal AWS section include the **"Workspace-Deployment-Role"** Arn as well

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Go to AWS S3 service, select the Bucket. Choose the permissions section go to Bucket policy and update the "aws:PrincipalTag/DatabricksAccountId" field in the policy with your Databricks account ID.

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4. Go the summary section, preview the workspace name, region, storage and credentials configurations. Click on Create workspace.

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In Data Bricks you will be seeing the WorkSpace getting created and it will be in running state in less than 2 minutes

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Open the URL to Access the workspace.

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You will also be receiving the URL to your registered Email

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