

#### AWS DMS

Prepare the Environment

Creating Endpoints for Source and Target databases

Migrate data from Oracle source to DynamoDB

Migrate data from Oracle source to Aurora PostgreSQL target

Final Validation of DMS Tasks

▼ Lab2 - Data processing using Amazon DynamoDB and Amazon Aurora

Pre-requisites

Setup AWS Cloud 9 Environment

Fnable Amazon DynamoDB Streams

Deploy AWS Lambda Function for DynamoDB Stream Integration

Deploy AWS Lambda Functions for Taxi Ride workflow

Create and Deploy API for Taxi Ride workflow

Taxi Ride Workflow

▼ Lab3 - Query multiple data sources using Amazon Athena federated query

Pre-requisites

### Prepare the Environment

Setup Athena Connectors and Catalogs

Query multiple data sources using Athena Federated Query

- Lab4 High performance and scale with Amazon DynamoDB
- ▶ Lab5 Integrating Amazon MemoryDB for GeoSpatial implementation

More Resources

Contributors & Revision History

**▼** AWS account access

Open AWS console (us-east-1)

Get AWS CLI credentials

Exit event



(1)

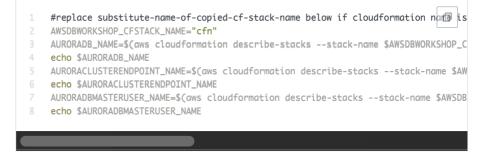
Event dashboard > Lab3 - Query multiple data sources using Amazon Athena federated query > **Prepare the Environment** 

# Prepare the Environment

Event ends in 5 hours 45 minutes.

# Setup environment variables on Cloud9 terminal window

1. Go to Cloud9 IDE terminal window and set the following environment variables if not done already as part of Lab2. Substitute the string substitute-name-of-copied-cf-stackname in the command below with the name of the Amazon CloudFormation parent stack starting with cfn.



2. Connect to the Aurora PostgreSQL cluster using the below command. Enter the output of echo \$PGPASSWORD command as password when prompted.



# Create a copy of trips table for federated query

Run the below SQL Command to check the trips table Aurora PostgreSQL. We will be using this table for federared query using Athena.

```
select * from trips;
select rider_email, trip_info from trips;
```

# Update primary workgroup

- 1. Open the AWS Management Console for Athena .
- 2. If this is your first time visiting the AWS Management Console for Athena, you will get a Getting Started page. Choose Get Started to open the Query Editor. If this isn't your first time, the AthenaQuery Editor opens.
- 3. Select Workgroup:primary tab at the top, choose the primary workgroup and click View details.



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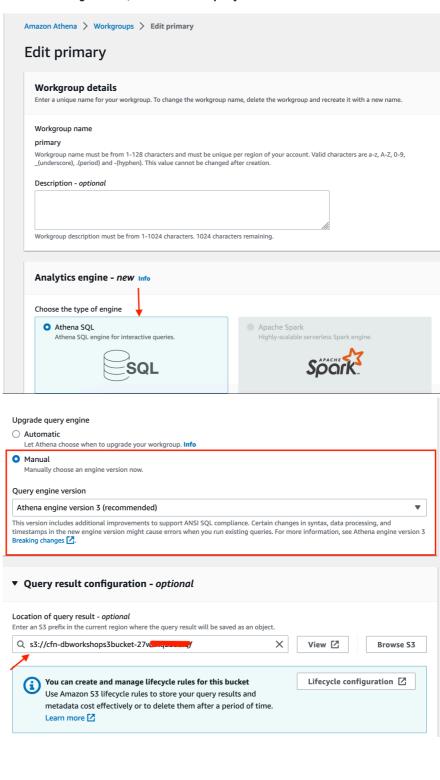
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- In Query result location field, specify the S3 bucket name with a s3:// prefix and / suffix that was created as part of the CloudFormation Stack (Look for S3bucketName in the parent CloudFormation stack Outputs section) e.g. s3://cfn-dbworkshops3bucket-1xihfupnzuugu/.
- 2. For **Update query engine**, select **Manually choose an engine version now** and choose **Athena engine version 3 (recommended)** option.
- 3. Under Settings section, choose Publish query metrics to AWS CloudWatch.





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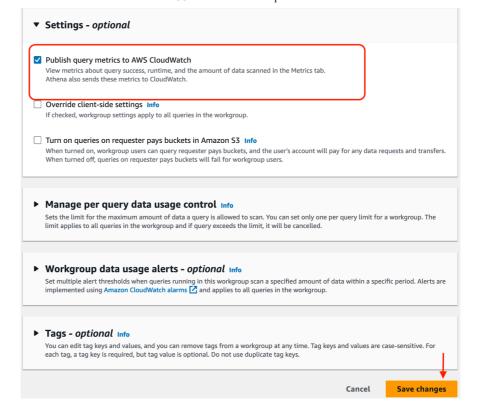
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### 4. Click Save.

Now, you are ready to deploy the Athena connectors in your AWS account. To learn more about Athena connectors, please see documentation connect-to-a-data-source-lambda.html <a href="#">Z</a>.

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