⚙ 👤 **rp6578** ▽

Data to Dashboards ‹

Data to Dashboard - Real-time Data Processing and Analysis

Prerequisites

Introduction

Ingesting Real-time Data Streams

▼ Data Processing using Amazon Managed Apache Flink

    Overview

    Preparation

    Run Studio Notebook

▶ Deliver Processed Data using Amazon Data Firehose

▶ Visualize Real-time data using Amazon QuickSight

Conclusion & Next Steps

▼ **AWS account access**

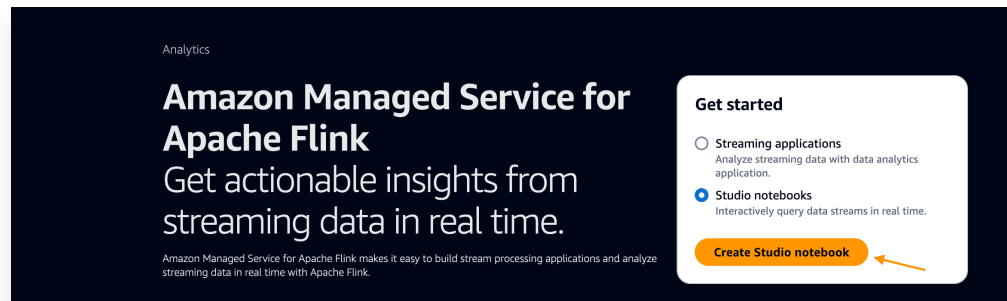Open AWS console (us-east-1) ▢

Get AWS CLI credentials

Exit event

Event dashboard › Data Processing using Amazon Managed Apache Flink › Preparation

Preparation

Setup Apache Flink Studio Notebook

1. Navigate to the Amazon Managed Apache Flink **Console** ↗ and select Studio notebooks. Select **Create Studio notebook**.

2. Choose **Quick create with sample code**. Provide studio notebook name **gameanalysis**.

3. Select **gameanalytics** database from drop down for AWS Glue database and click on **Create Studio notebook**.

Permissions Info
Your role will be given permissions to access AWS Glue database, Amazon CloudWatch, and Amazon VPC.

Service role
Create / update IAM role **kinesis-analytics--us-east-1** with required policies

AWS Glue database
Choose an AWS Glue database that defines the metadata for your sources and destinations.

gameanalytics   ▼ | ↻ | | Create ↗ |

View **gameanalytics** ↗ in AWS Glue

Studio notebook settings

Setting	Value
Logging with Amazon CloudWatch Logs	INFO
Monitoring metrics level with Amazon CloudWatch	Application
Parallelism	4
Parallelism per KPU	1
VPC connectivity	-

Cancel   **Create Studio notebook**

4. Click on the IAM role and attach **AmazonKinesisFullAccess** policy for the lab. For simplicity, we add full access, but in production, you can add permission specific to your Kinesis data stream.

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