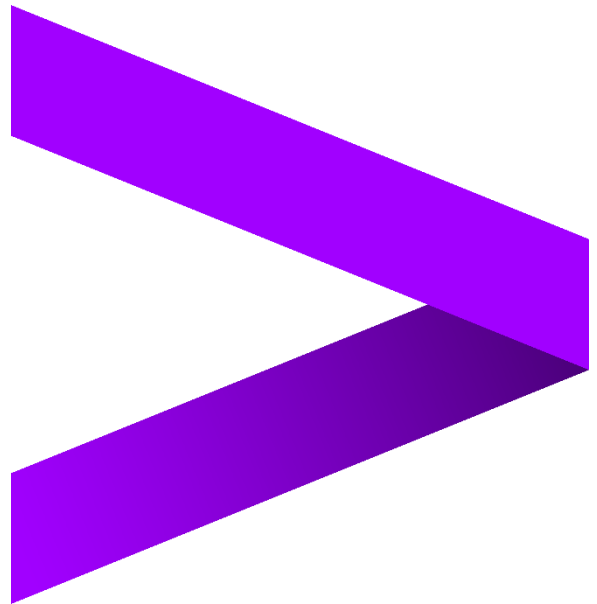# Cloud Firestore

Exploring Cloud Firestore in Datastore mode

- **Definition:** Datastore is a NoSQL database service, ideal for semi-structured data that needs to be highly scalable and available. Cloud Firestore is the next generation of Datastore with enhanced features.

- **Purpose**: To build a Firestore NoSQL database in Cloud Datastore mode for the best of both worlds.

Follow the link to complete the Lab

- Open the url – https://console.cloud.google.com
- Login with your Accenture credentials (e-mail id)
- Follow the below steps to complete your lab

Steps:

A. Create the database.

1. From the main navigation, click Firestore.
2. Click Create Database
3. Choose Datastore Mode.
4. Set the region to us-east1.
5. Click Create database.

B. Define entities.

1. For Kind, enter Flights.
2. Click Create Entity.
3. Click Add property for each of the following entries, of the specified type:
   - Airline: String
   - Flight Number: Integer
   - Arrival: Date and Time
   - OnTime: Boolean
4. Click Save.
5. Repeat steps 3 and 4 twice more with different values.
6. For the final entry, add another property:
   - Note: Text
7. Click Save.

C. Query the data.

1. Switch to Query by GQL.
2. In the Query field, enter the following: SELECT * FROM Flights
3. Click Run Query.
4. In the Query field, enter the following: SELECT * FROM Flights WHERE OnTime = false
5. Click Run Query.
6. Review results.