

# Building DynamoDB Triggers

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# What is DynamoDB Streams?



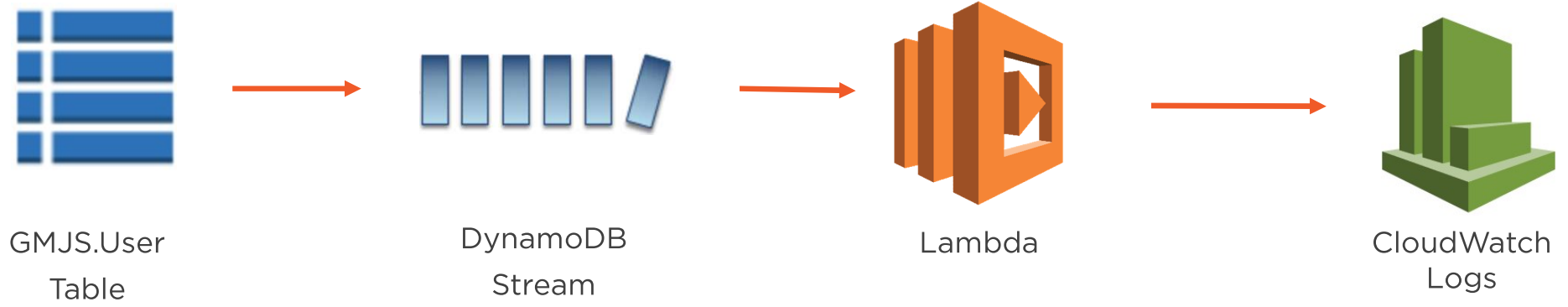
**Track the changes made to a DynamoDB table**

**Changes are tracked on a rolling 24-hour basis**

**Changes to data are available in an ordered fashion**



# Demo



# What are Database Triggers?



**Database triggers is code executed when an event occurs**



# What are DynamoDB Triggers?

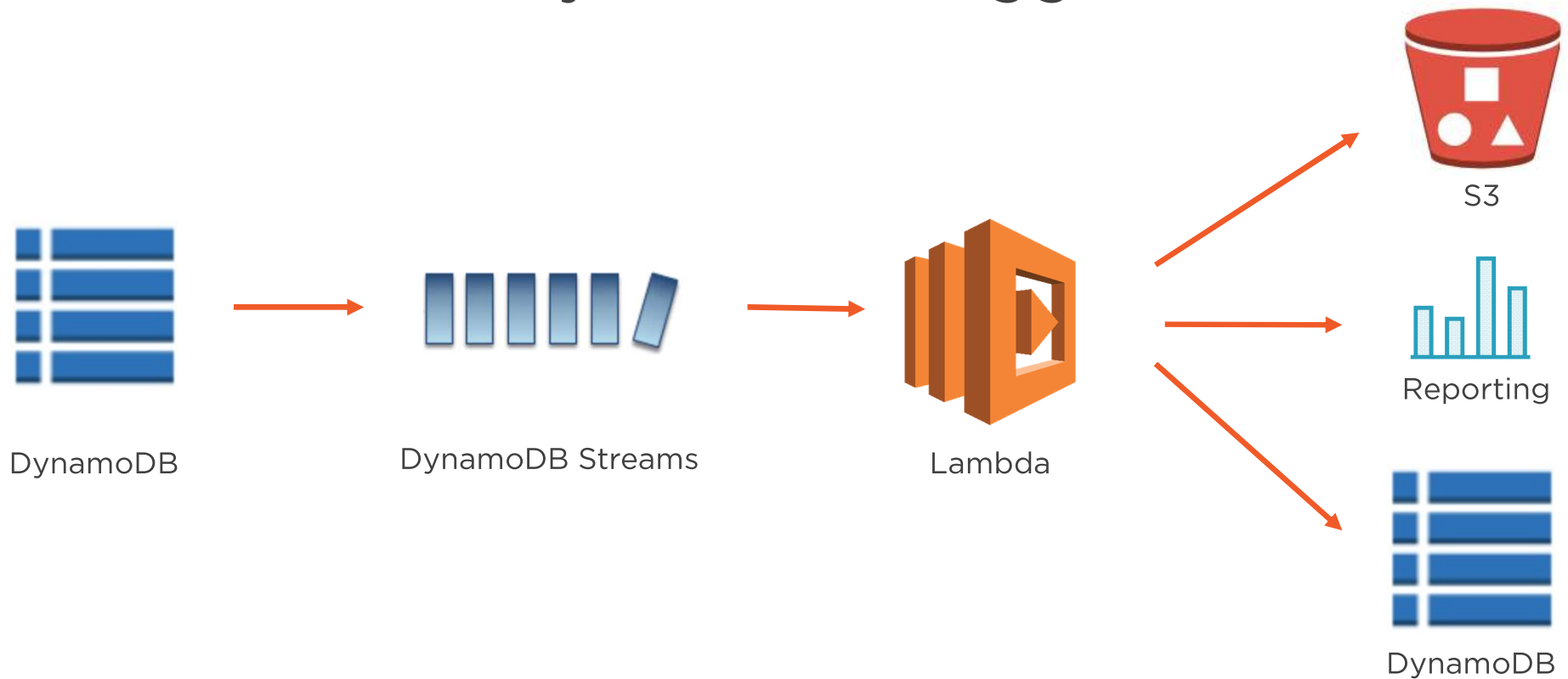


**DynamoDB Streams is a stream of ordered events which capture all data changes**

**DynamoDB Triggers are pieces of code that respond to events in DynamoDB Streams**



# DynamoDB Triggers



# DynamoDB Streams – Use Cases



**Build and update caches**

**Run Business Processes based on table based events**

**Drive real-time analytics**

**Replication & Backups**

**ETL for data warehousing**

**Publishing events to a Message Bus**



# Demo





# Demo

Job Application



DynamoDB



DynamoDB Streams



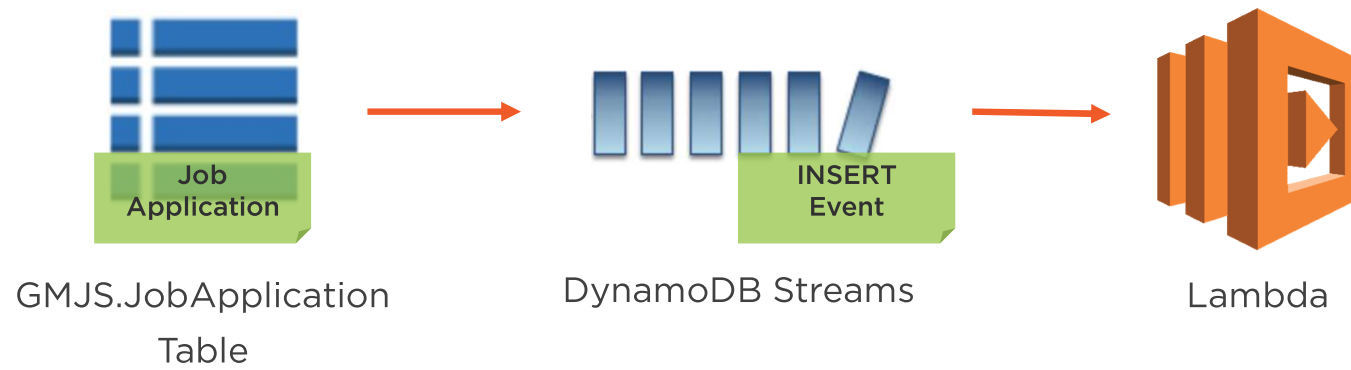
Lambda



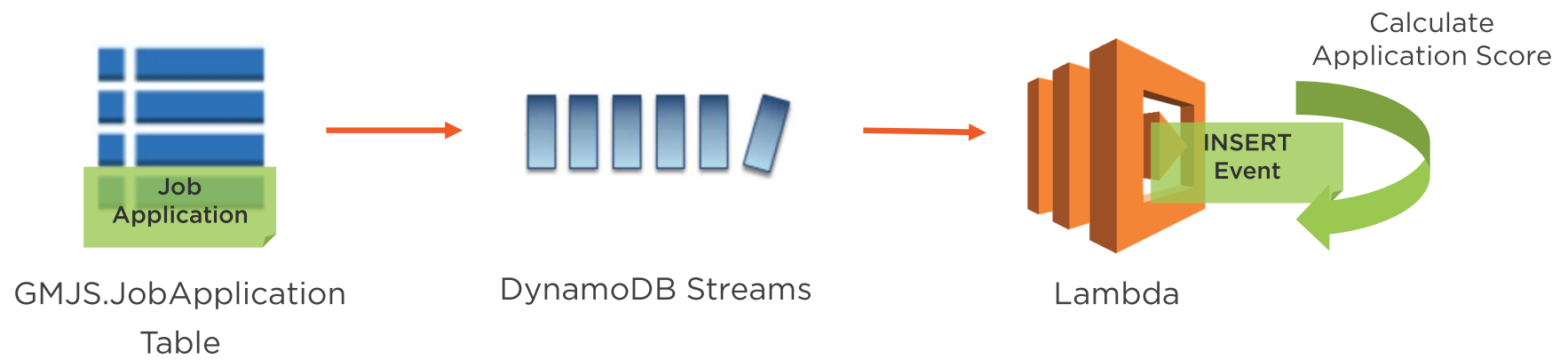
# Demo



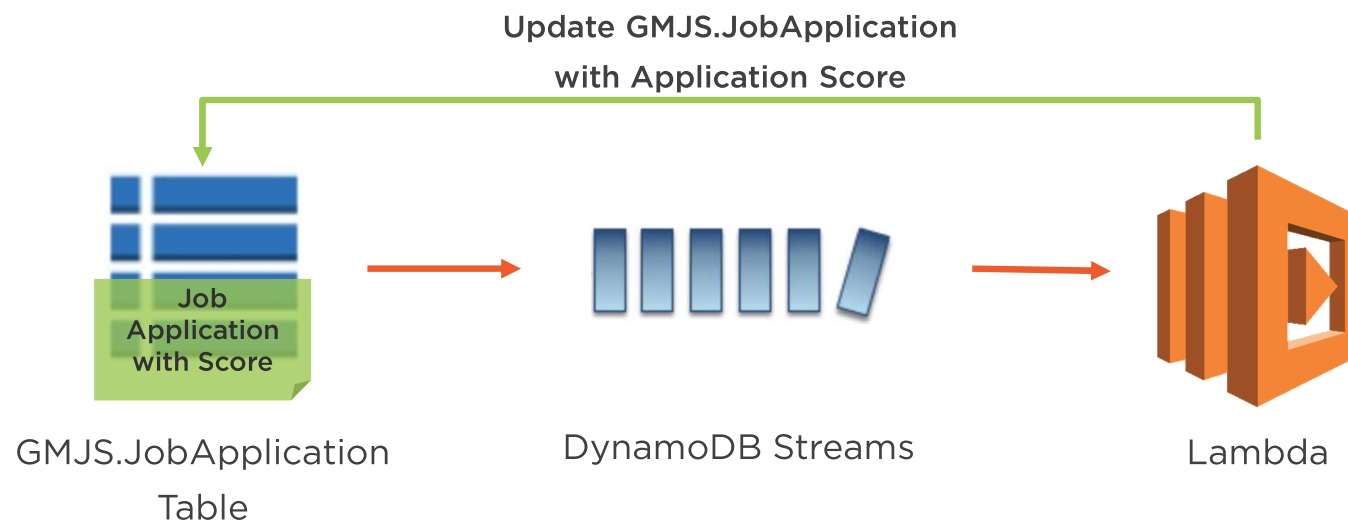
# Demo



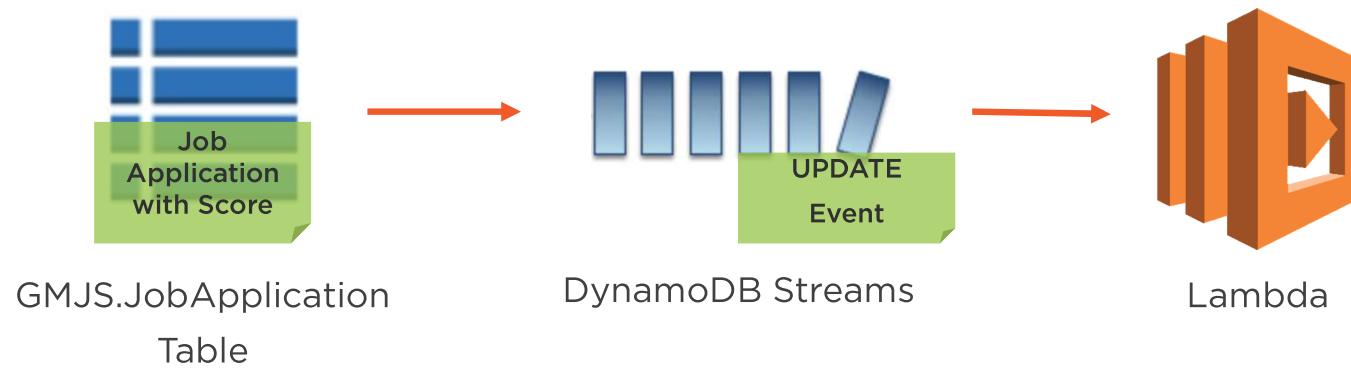
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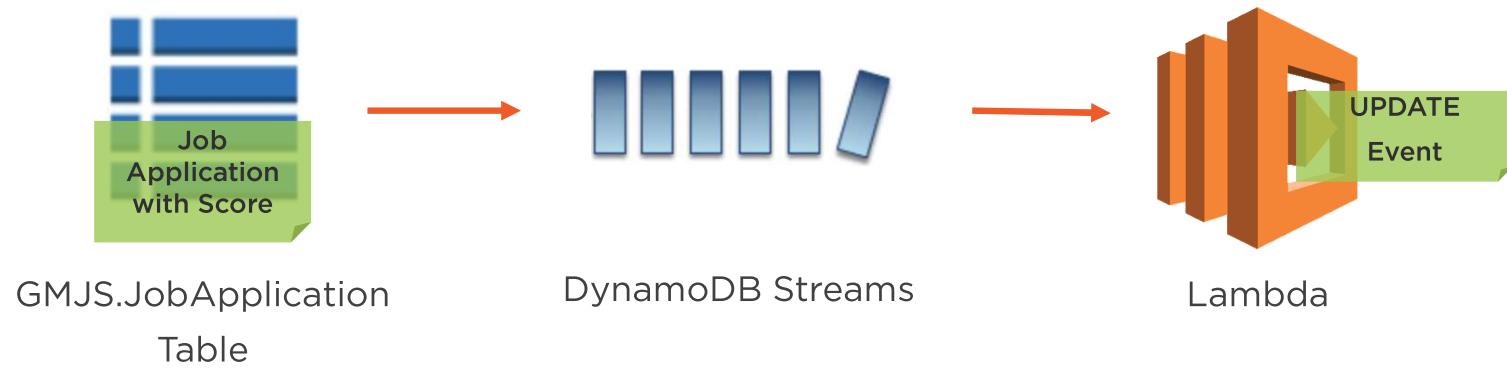
# Demo



# Demo



# Demo



# Summary



**DynamoDb Streams are table based feature**

**Captures table activity in event form**

**Table activity is an ordered list of events (INSERT / UPDATE / REMOVE)**

**Ability to build triggers using Lambda + DynamoDB Streams**

