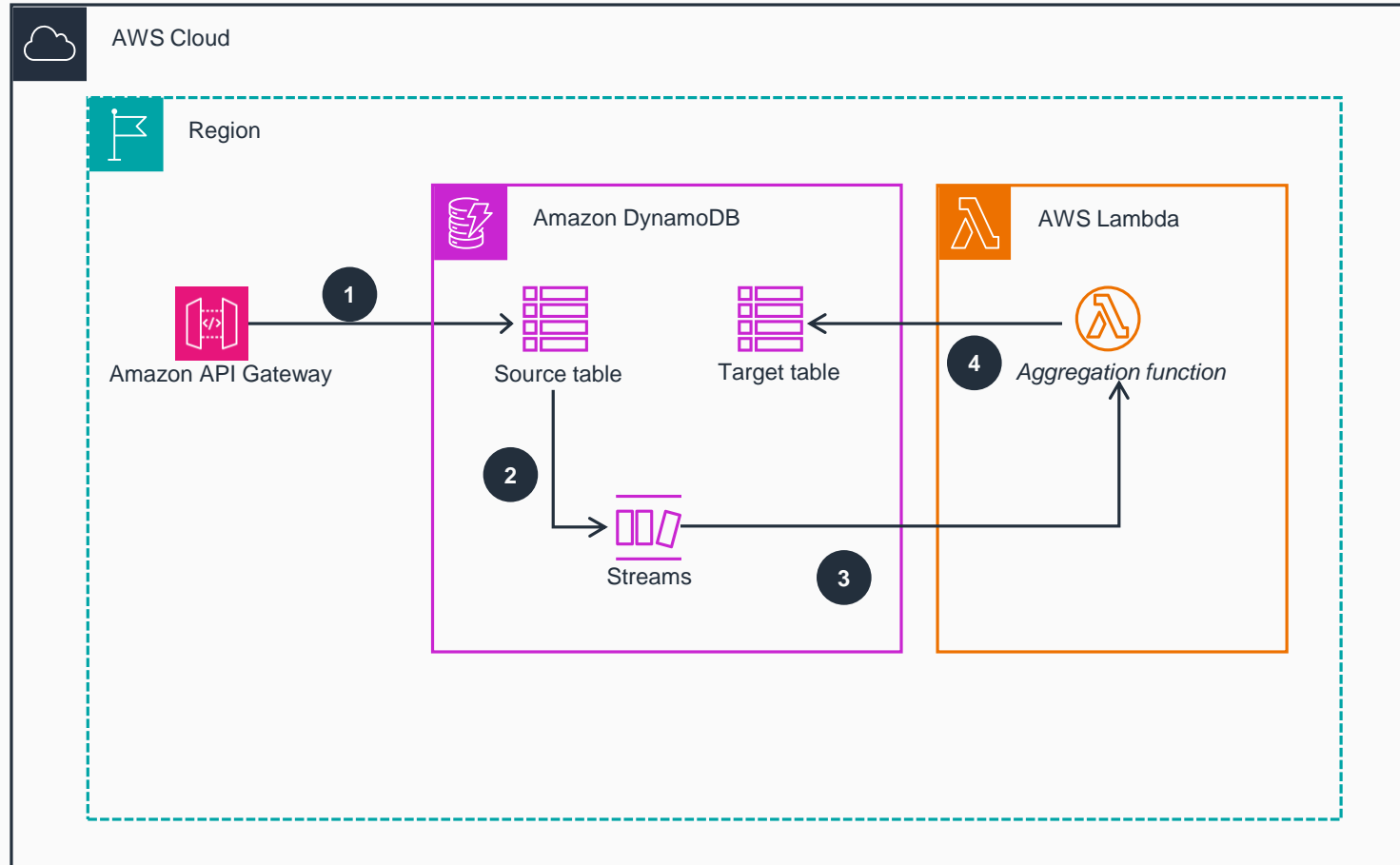


Guidance for Processing Real-Time Data Using Amazon DynamoDB

The architecture diagram illustrates near real-time data aggregations in Amazon DynamoDB utilizing DynamoDB Streams and AWS Lambda. It enables efficient computation of aggregated data summaries, enhancing performance and scalability for DynamoDB applications.



- 1** **Amazon API Gateway** inserts a new item into the **Amazon DynamoDB** source table.
- 2** **DynamoDB** automatically sends the new item to the associated **Amazon DynamoDB Streams**, which capture the item mutation.
- 3** **AWS Lambda** polls the configured **DynamoDB Streams** four times per second and runs the *Aggregation* function.
- 4** The **Lambda** function performs the required aggregation logic and inserts the data into the target **DynamoDB** table (which could also be the same table).