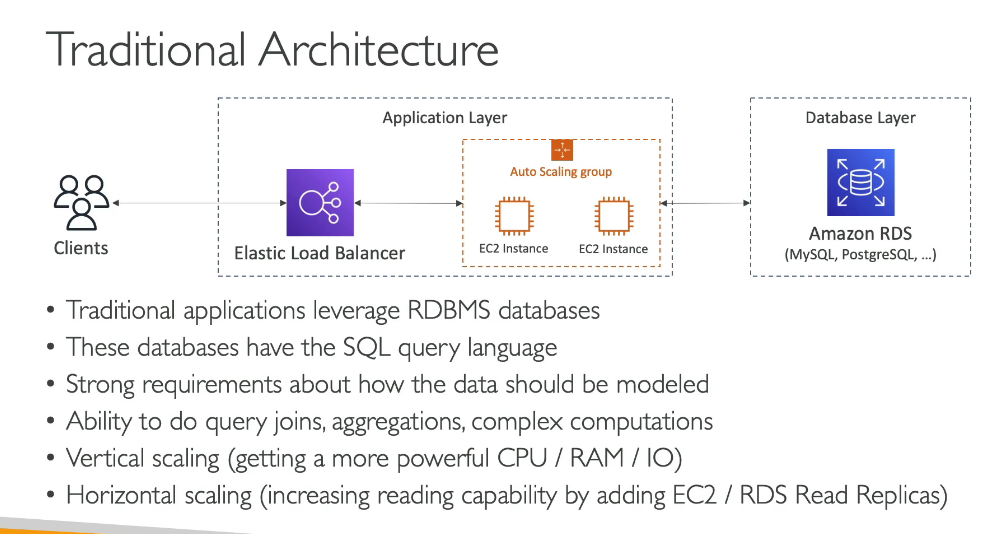
DYNAMODB

It is a serverless nosql database.

**THE TRADITINAL ARCHITECTURE**

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**INTRODUCTION TO NOSQL DATABASE**

**Text, letter

Description automatically generated**

By horizontal scaling we mean that we can increase the number of io just by increasing the number of ec2 instances.

Text

Description automatically generated

Amazon dynamdb is a fully managed highly available with replication across multi az.It is a nosql database hence it is not a relational database.

**DYNAMODB BASICSText, letter

Description automatically generated**

DYNAMODB PRIMARY KEYS

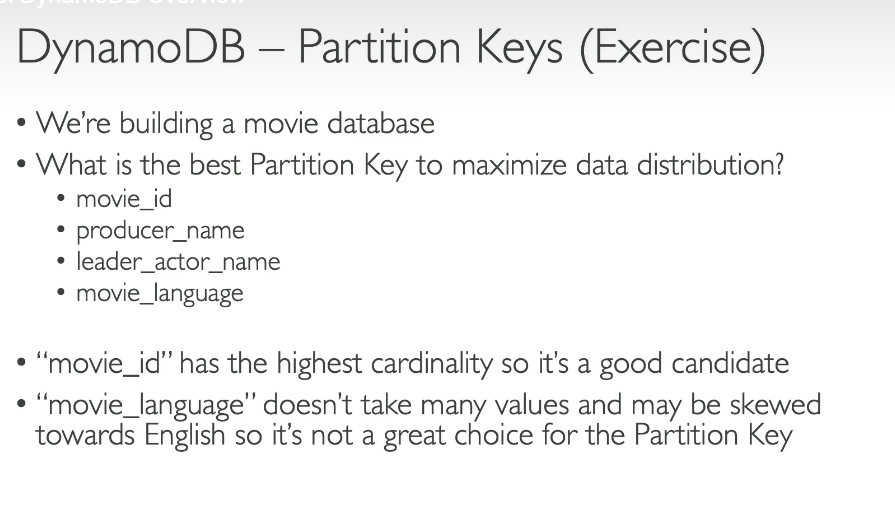
**Graphical user interface

Description automatically generated with medium confidence**

Table

Description automatically generated

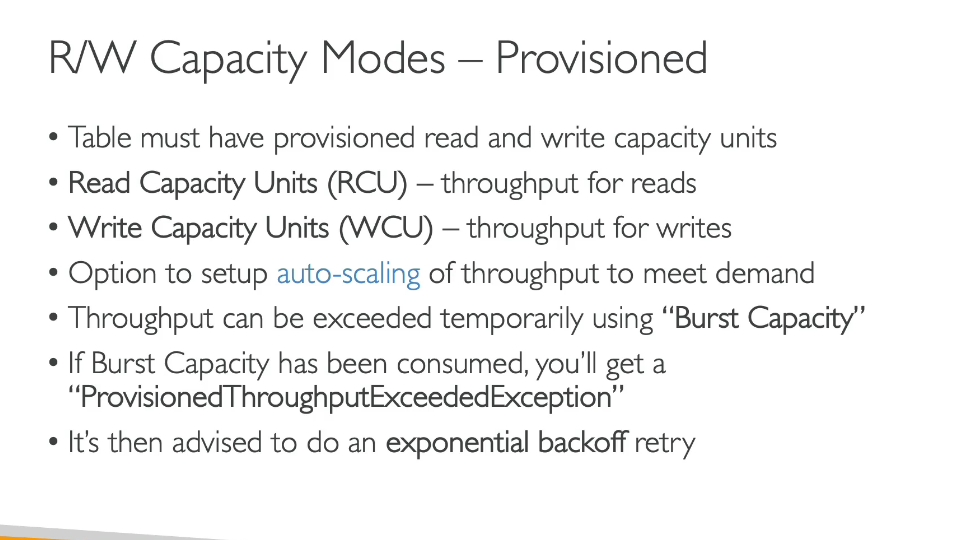
There may be a case where you want that a user must be allowed to play some games,so for each user there will be a partition key which will uniquely identify a user and then there is a game id which is a sort key and the combination of both of these will be forming a primary key so no matter if there is a case where we have same partition key for a different game id since a user can play multiple games.



**DYNAMODB-READ/WRITE CAPACITY MODES**

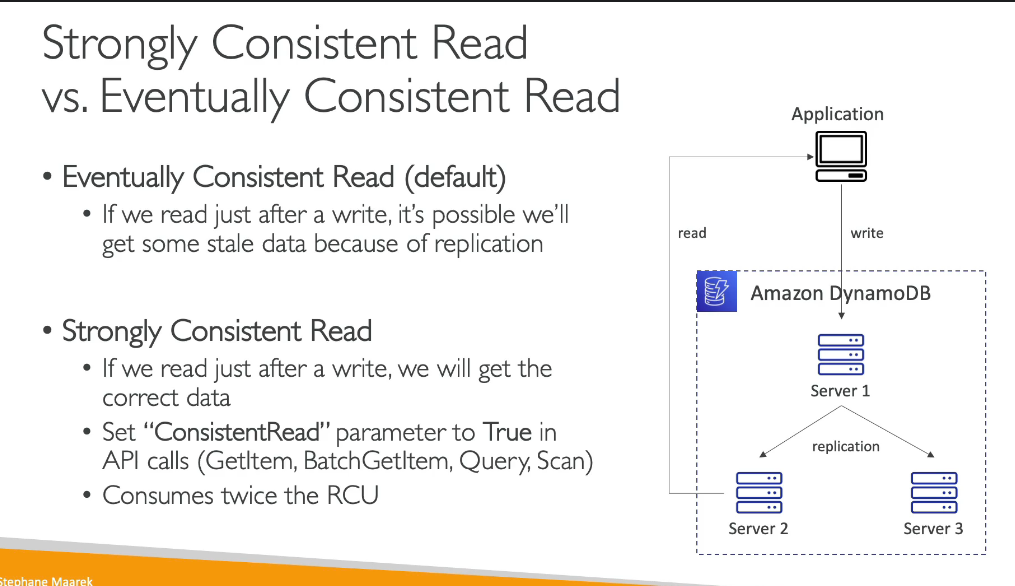
**Text

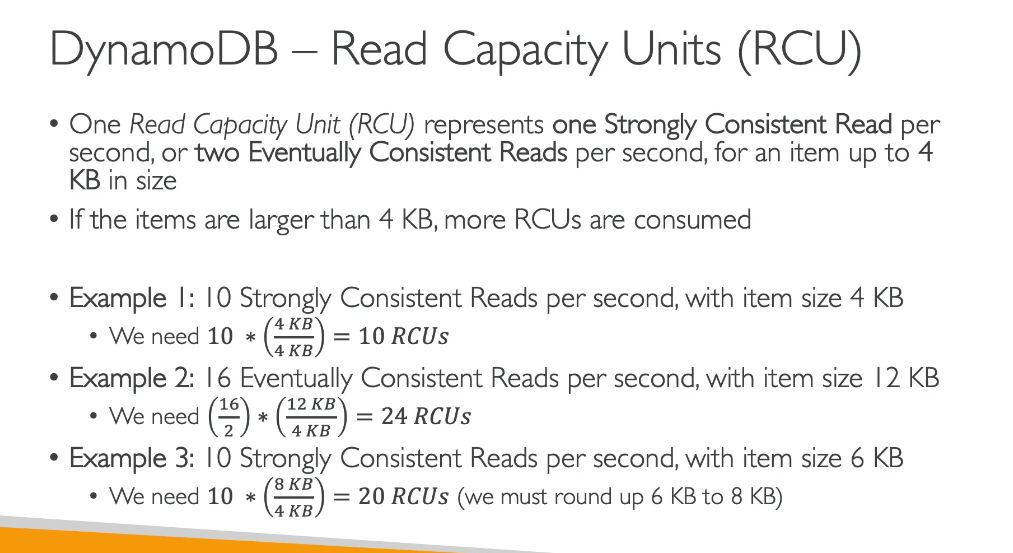
Description automatically generated**

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**Text

Description automatically generated**

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**\**

**PARTITION INTERNALS**

**Diagram

Description automatically generated with low confidence**

**\*wcu and rcu divided separately**

**THROTTLING**

**Text

Description automatically generated**

**Text

Description automatically generated**

**DYNAMODB BASIC APIS**

**Graphical user interface, text, application, email

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

**Text

Description automatically generated**

**Text

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

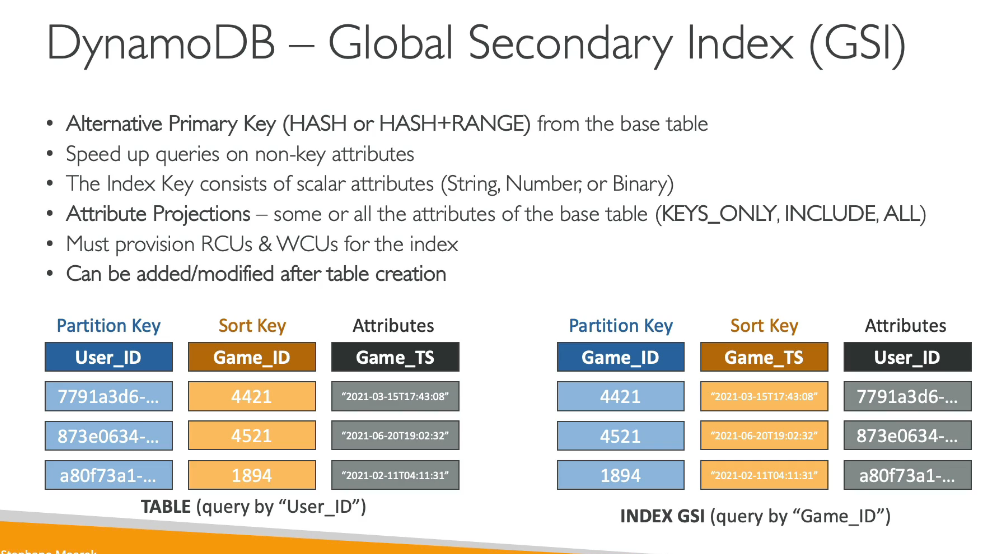
**Graphical user interface, text, application, email

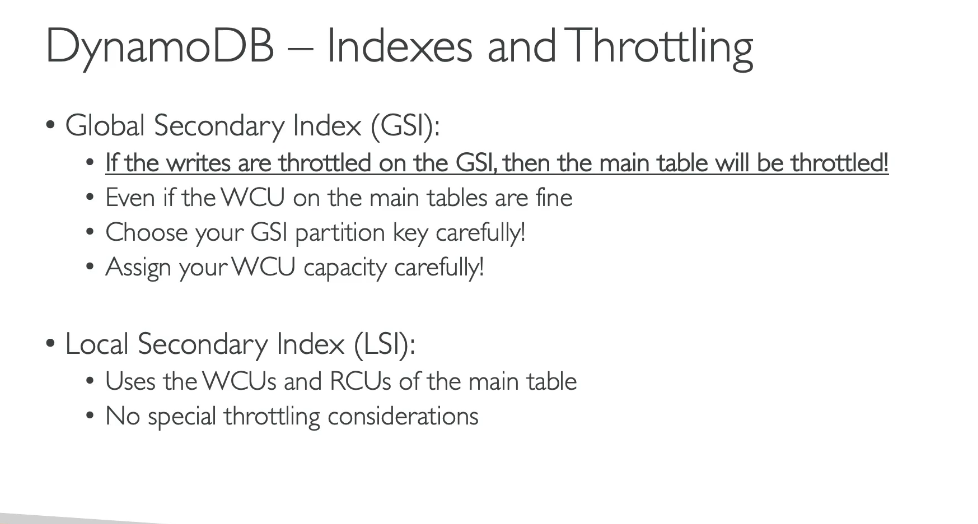
Description automatically generated**

**LOCAL SECONDARY INDEX**

**Table

Description automatically generated**

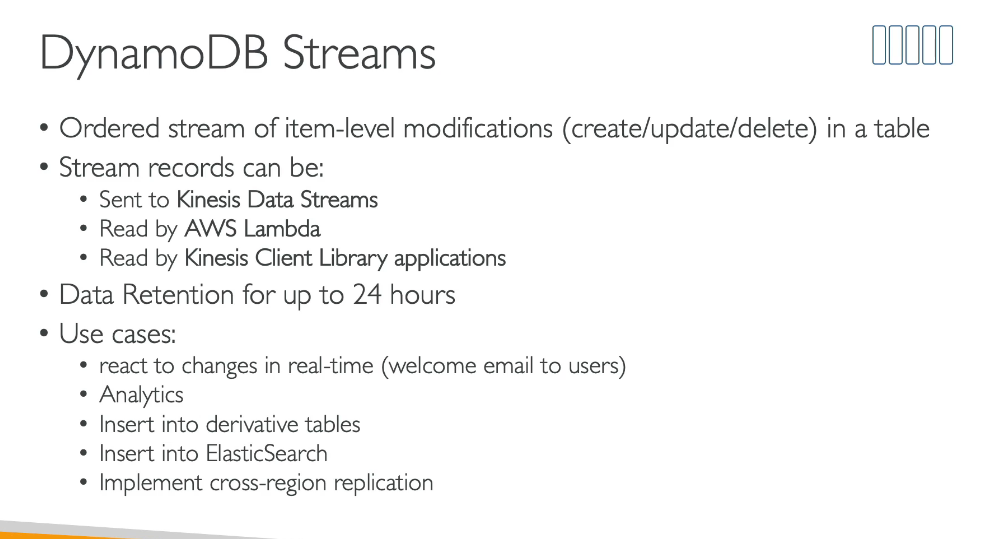
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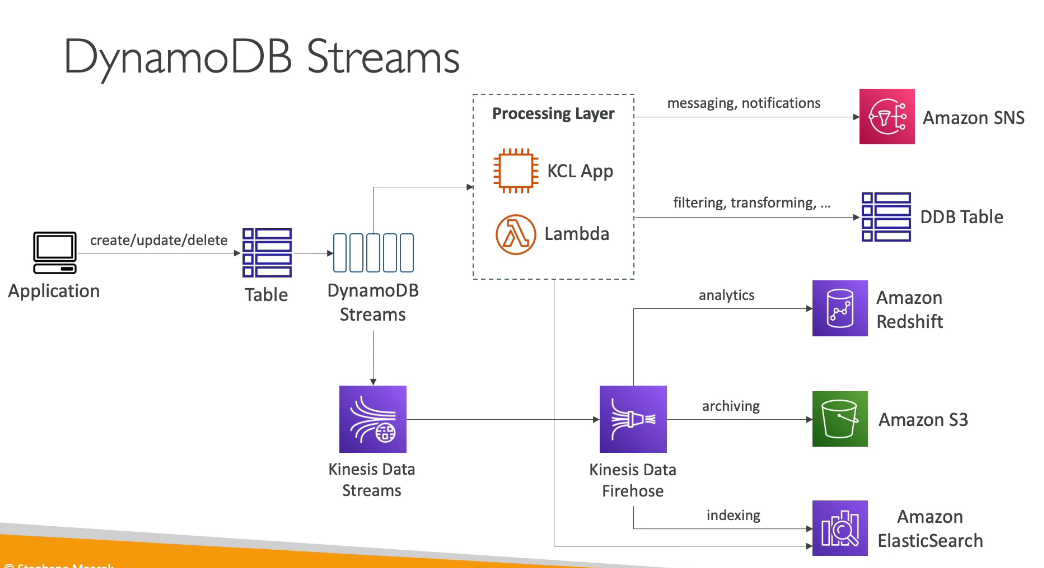
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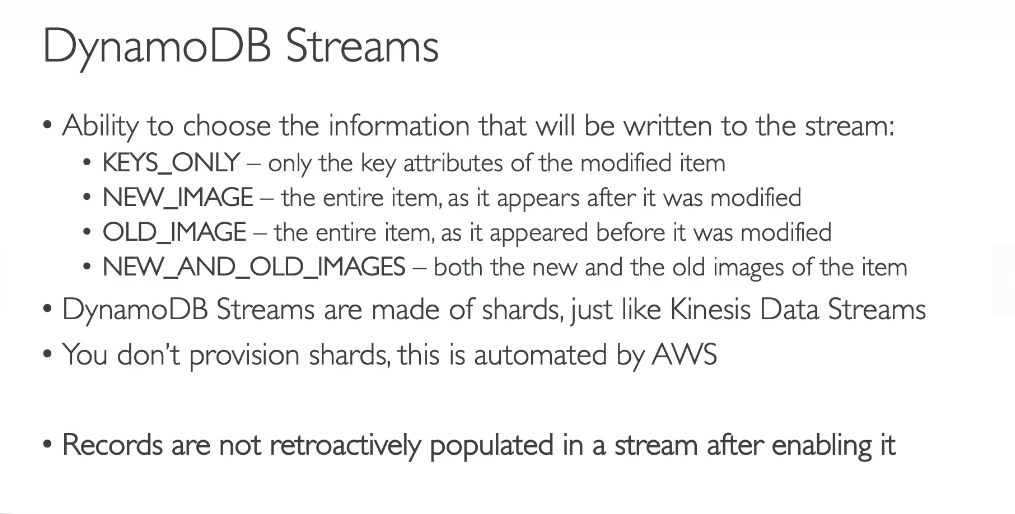
**Graphical user interface, text, application, email

Description automatically generated**

**DYNAMODB STREAMS**

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**A picture containing diagram

Description automatically generated**