2-1 DynamoDB

Monday, August 23, 2021

11:29 PM

How it works 
A NoSQL Database 
No Relations 
Data Format 
Key 
•r 23 
Value 



has to be unique -> uniquely identify data

why partition key?

fleet of SSD, partitioning state drive

best to have as many as partition key as possible

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Keys, Attributes, Indices 
Always required: Partition Key 
Partition Key 
Primary Key 
UserlD 
Attribute 
FirstName 
Optional: Partition Key + Sort Key 
Sort Key 
Timestamp 
Global 
Secondary 
Index 
Local 
Secondary 
Index 
Partition Key 
Primary Key I — 
UserlD 
Attribute 
HeartRate AWS Dynamo DB + AWS Lambda 
Event Source 
Data Repository 
Ill/ 
Trigger Function 
Lambda Function 
Lambda Function 
Store & Retrieve Data 

NoSQL 
No Relations 
High Flexibility (No/ Weak Schemas) 
Data Repetition 
No Integrity Checks 
Easy Scalability 
NoSQLvs SQL 
SQL (Relational) 
Relations 
Limited Flexibility (Strong Schemas) 
No Data Repetition 
Integrity Checks 
Harder Scalability* 