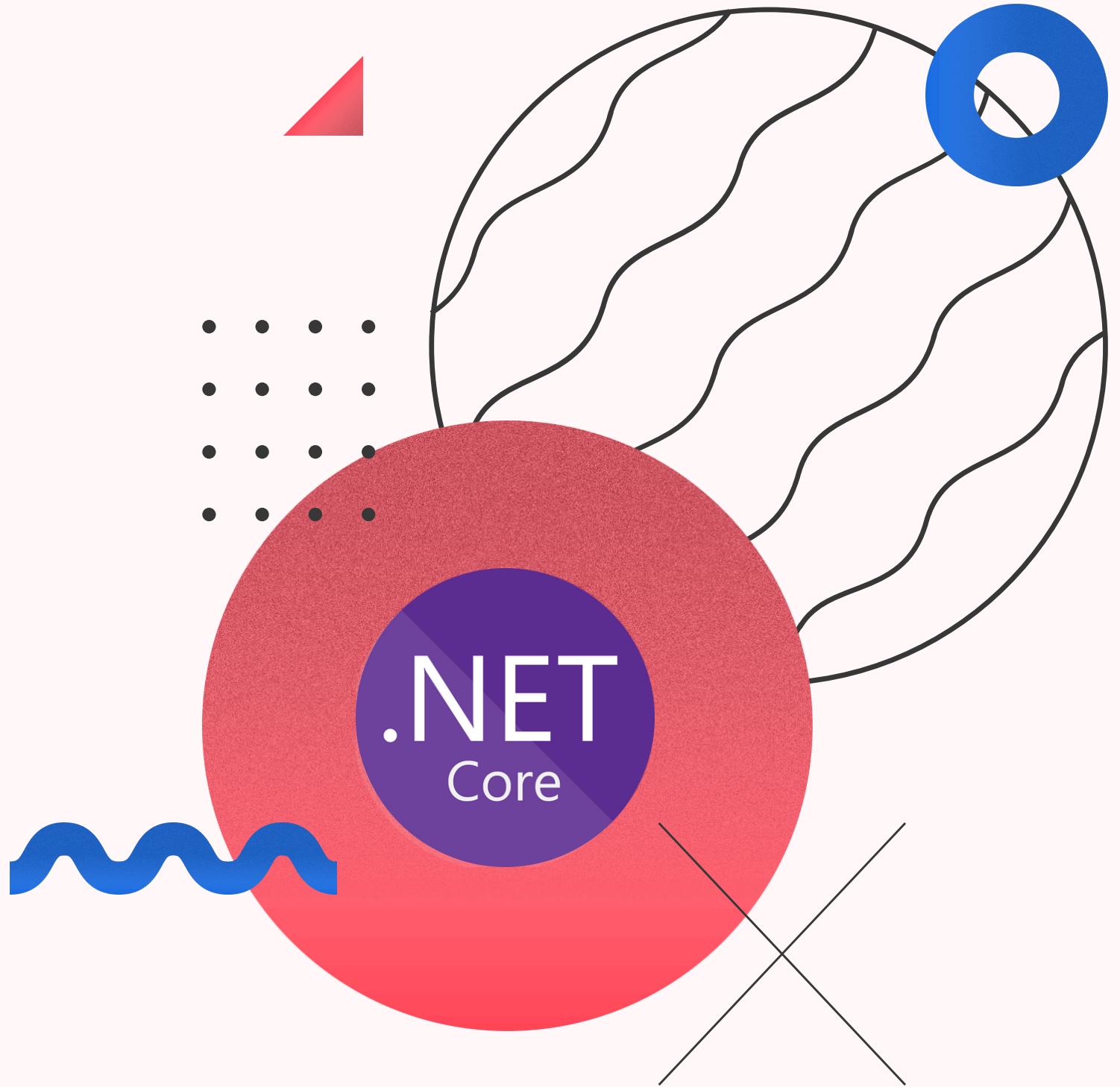


MongoDB

VS

DynamoDB

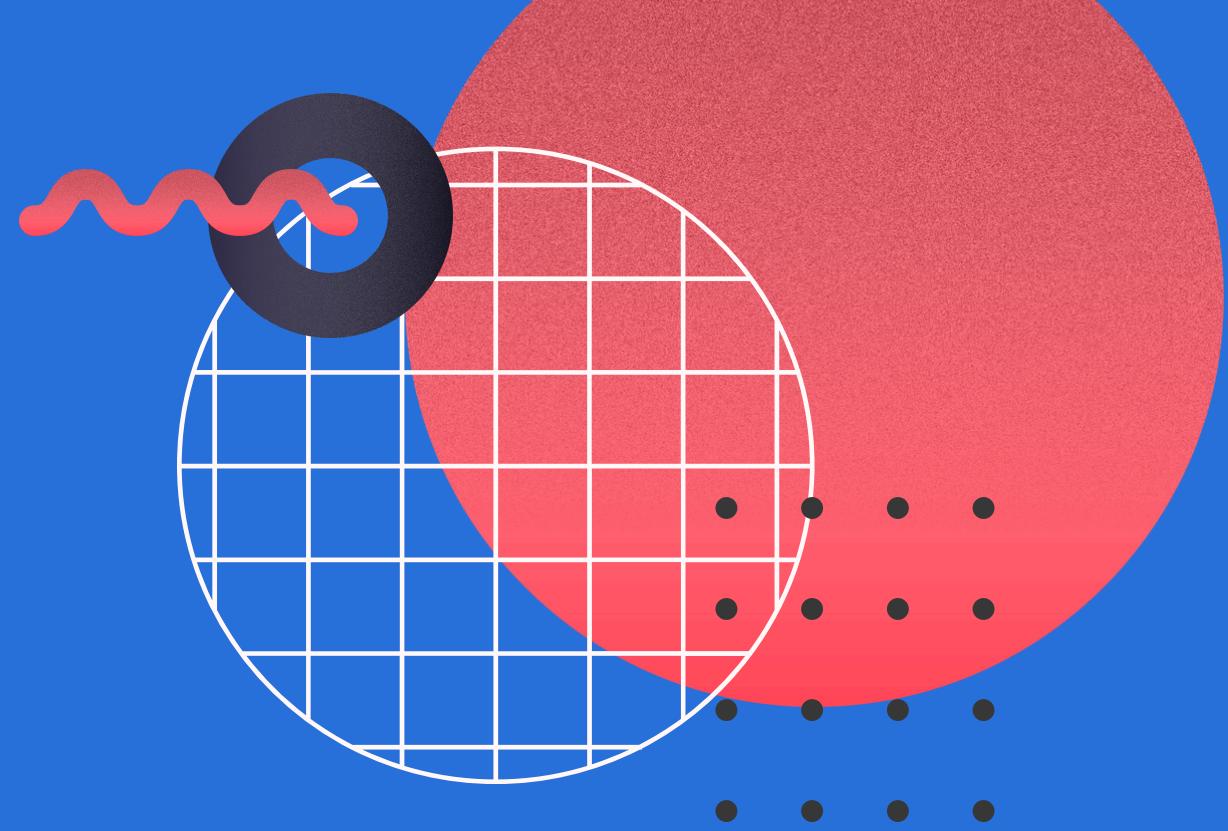


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MongoDB: Pros



Flexible Schema:

MongoDB allows for dynamic and flexible schemas, making it easier to evolve the data model over time.

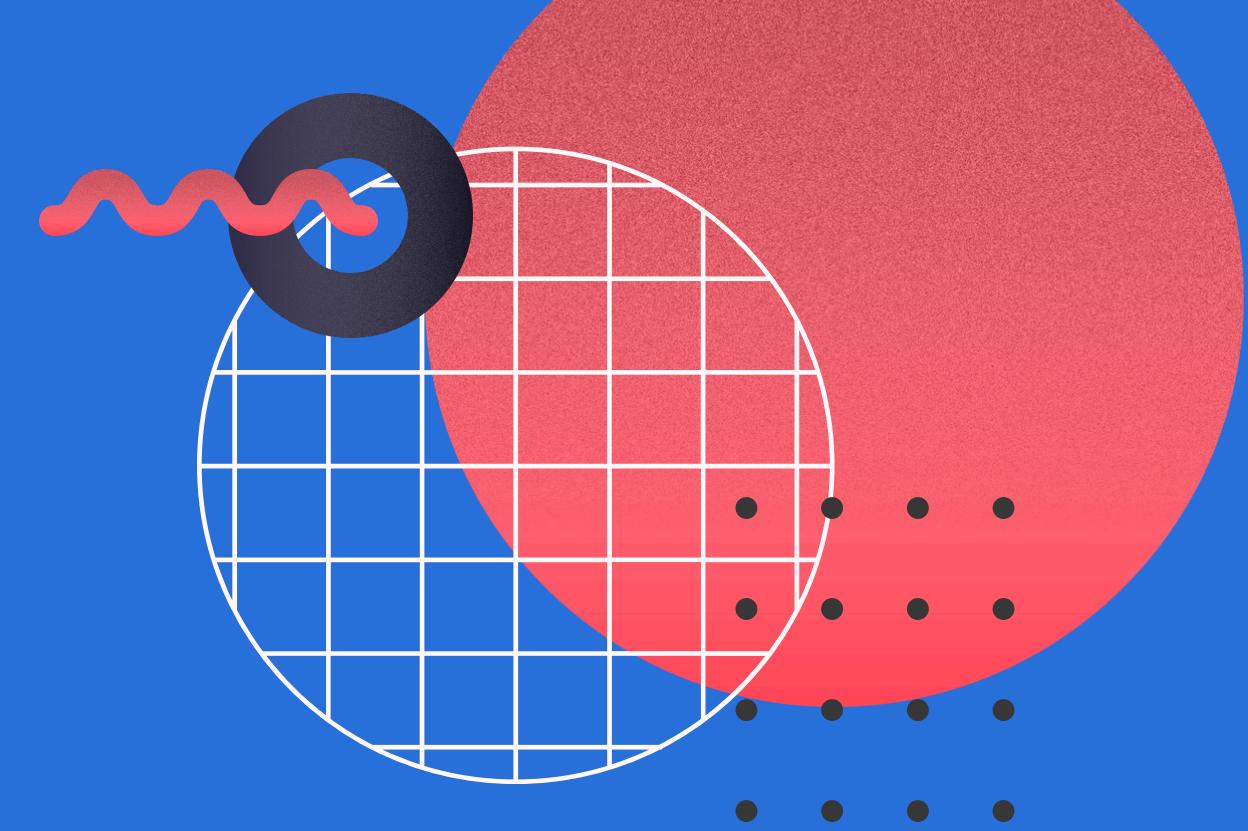
Rich Query Language:

MongoDB supports a powerful query language, including support for complex queries, indexing, and aggregation.

Community Support:

MongoDB has a large and active community, providing extensive documentation, tutorials, and community support.

MongoDB: Cons



Scalability:

Scaling MongoDB horizontally can be complex and requires careful planning compared to DynamoDB's built-in scalability.

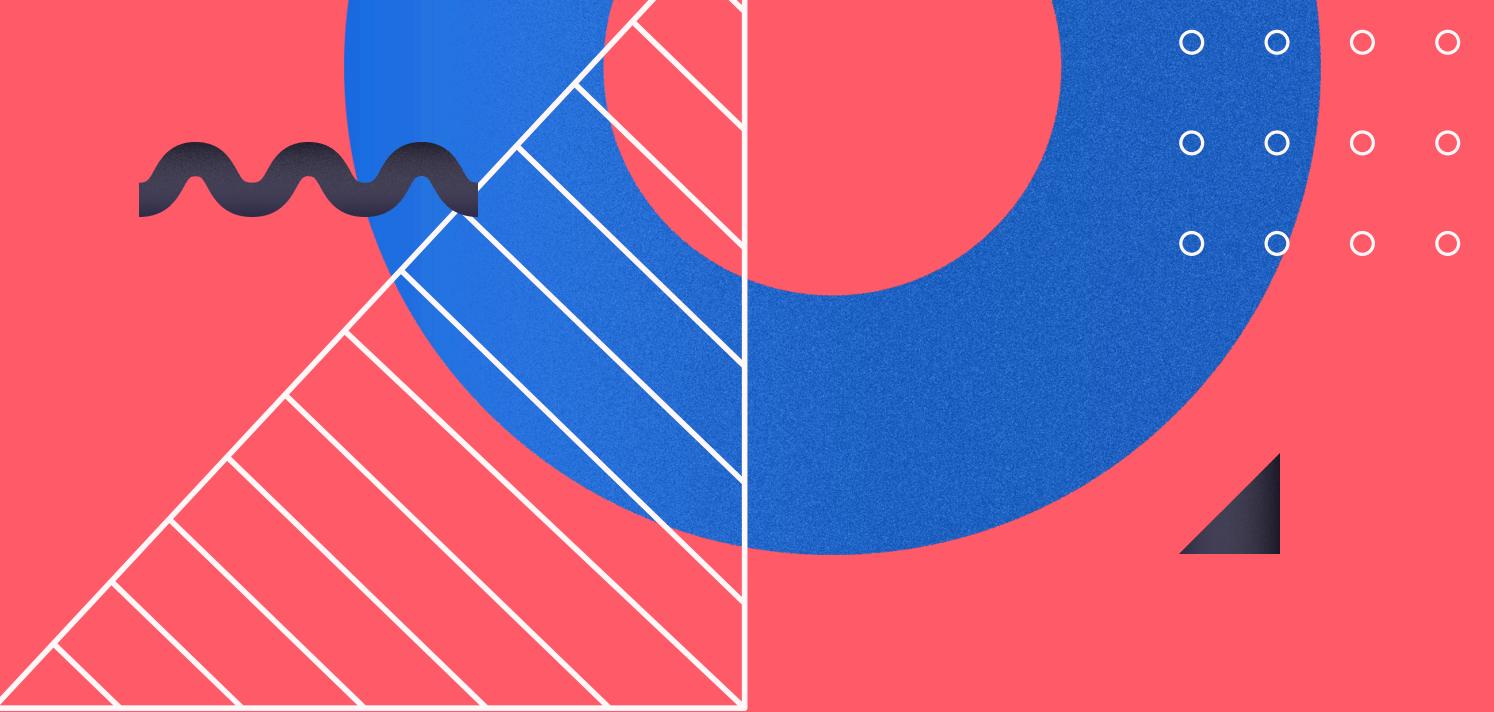
Transactions:

Although MongoDB has introduced multi-document transactions, they come with some limitations and complexities compared to traditional relational databases.

Data Size:

MongoDB may not be the best choice for very large datasets due to its storage engine overhead and memory usage.

DynamoDB: Pros



Scalability:

DynamoDB is designed for seamless scalability with virtually unlimited throughput and storage, making it suitable for applications with unpredictable workloads.

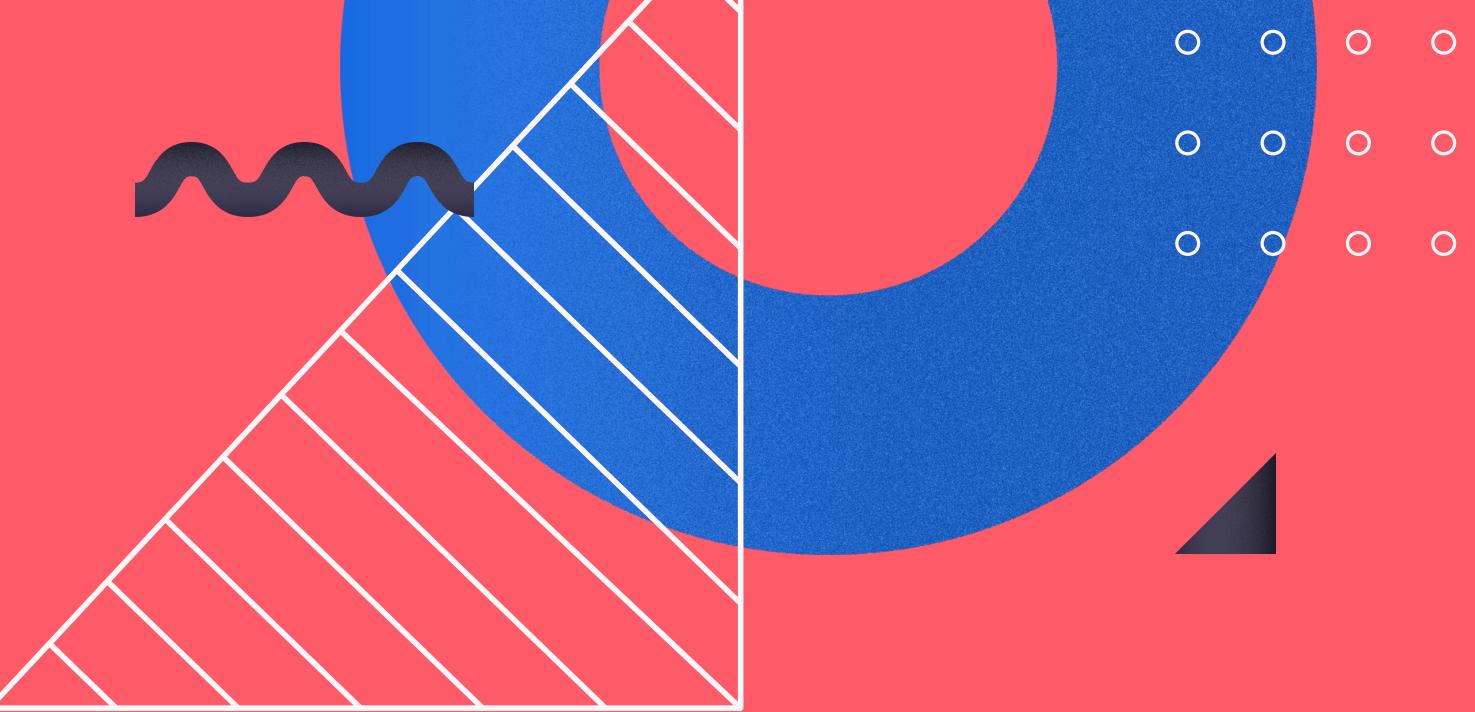
Managed Service:

DynamoDB is a fully managed service provided by AWS, reducing operational overhead and ensuring high availability and durability.

Performance:

DynamoDB offers single-digit millisecond latency for read and write operations, making it suitable for latency-sensitive applications.

DynamoDB: Cons



Cost:

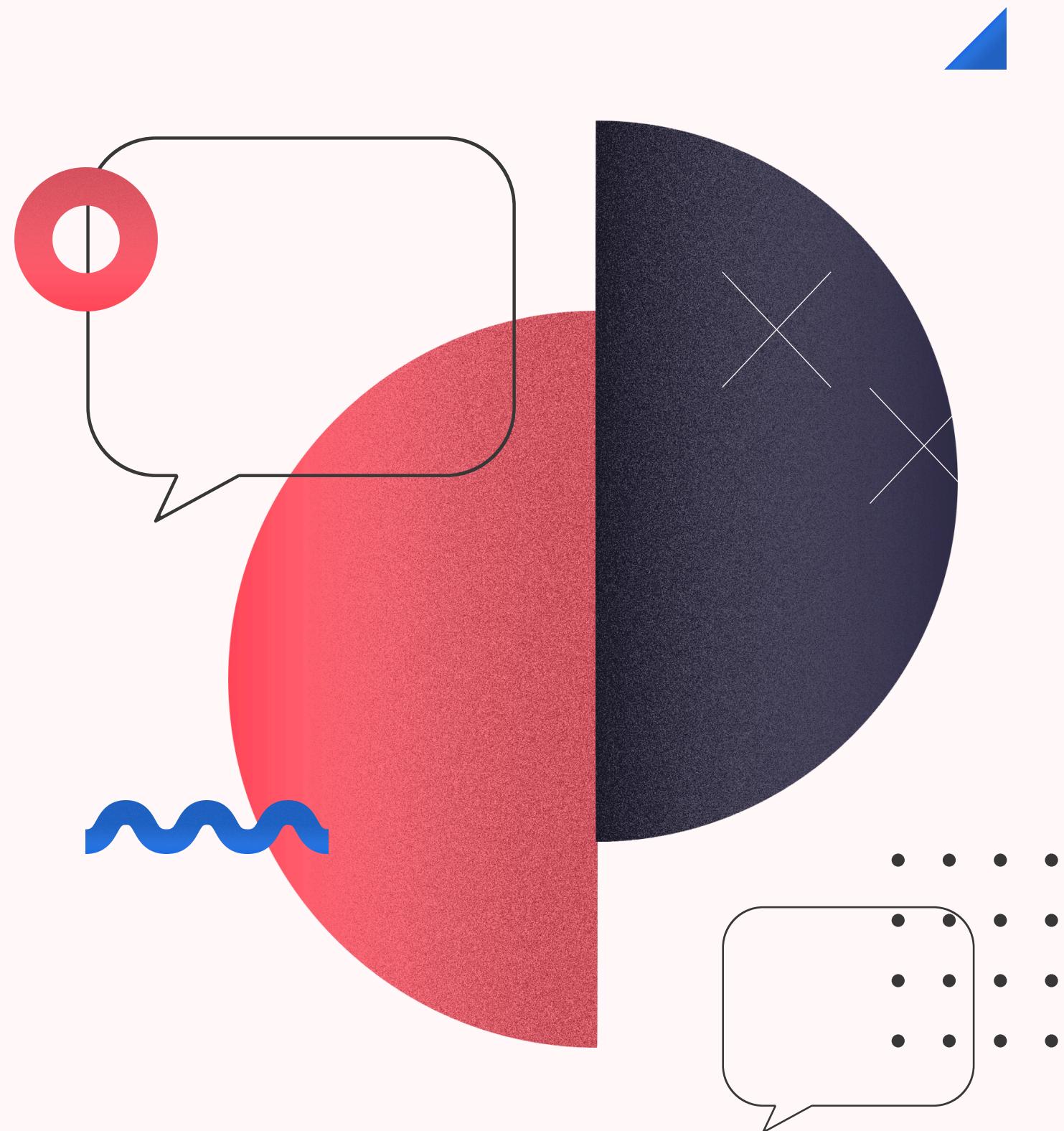
DynamoDB can become expensive, especially for applications with high throughput or storage requirements, due to its pricing model based on provisioned throughput and data storage.

Limited Query Capabilities:

DynamoDB's query capabilities are more limited compared to MongoDB's rich query language, which may require denormalization or additional application logic.

Vendor Lock-In:

Using DynamoDB ties your application to AWS, potentially limiting portability and making it harder to switch to another provider in the future.



Code Samples

Thank you