

What is Azure Table storage?

Azure storage is a cost-effective non-relational data store that allows us to store a large amount of structured and non-relational data. This service is a NoSQL in the cloud. This service stores data in a key/value pair manner.

Azure Table storage is a cloud-based NoSQL datastore you can use to store large amounts of structured, non-relational data. Azure Table offers a schemaless design, which enables you to store a collection of entities in one table. An entity contains a set of properties, and each property defines a name-value pair. Azure Table is a lightweight, easy to manage service, making it ideal for users just getting started with NoSQL or cloud data services.

Table - Tables operate the same for both Azure Table storage. These tables are collections of entities without schemas. This enables you to store multiple entities within a table with different property sets.

Entity - Entities are sets of properties and can be thought of like rows in a database. When using Azure Table storage, you can have entities up to a size of 1MB.

Properties - Properties are name-value pairs within entities. You can store up to 252 properties per entity. Entities also contain three system properties that define a timestamp, a RowKey, and a PartitionKey. RowKey are unique identifiers but PartitionKey are not unique. When entities share PartitionKey, you can query more quickly and can insert or update data with atomic operations.