

- Store TB of structure data (web apps, catalogs & customer information, sensor data)
- Store simple data (no joins/foreign keys/storage procedures required)
- Capture event logging/performance
- High availability in 1 region (3 copies)
 - Extra cost for geo-redundancy
- Security & RBAC



Usage



Properties

Non-relational

PaaS

Azure
Table
Storage

Structure

- Non-relational database
- No-SQL Key-value model
 - Key = unique ID
 - Value = Item (row) & Field (col)
- Create in Azure storage account (500 TB)
- No Relationships/denormalized
- Independent partitions => increased access speed
 - Group related rows (partition key)
 - Organize & scale data
 - Partition key links row key
 - Same partitions => same row key order
- Fields = numeric/string/binary (<= 6 KB)
- Table = 252 fields
- Row size <= 1 MB



- Schemaless (flexible)
 - Web apps, address books, device information, metadata
- Advantages
 - Simple to scale
 - Semi-structured
 - No relational mapping
 - Fast row insert
 - Fast data retrieval
- Disadvantages
 - Consistency of updates
 - No referential integrity (maintained externally)
 - Difficult to sort/filter on non-key data

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