

# Azure Storage and Data Options

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# Data Storage Options

- \* **Azure supports different data storage options:**
- \* Relational data
  - \* Azure SQL
- \* Flat semi-structured data
  - \* Azure Storage Tables
- \* Files (virtualized disks as storage within blob containers)
  - \* Azure Storage Blobs
- \* Messages between systems and/or objects
  - \* Azure Storage Queues

# Data Storage Options

- \* Serialized object graphs in binary / Base64 (pictures)
  - \* Azure Storage Blobs
- \* Serialized object graphs in JSON (pictures)
  - \* DocumentDb
- \* Cache support
  - \* Redis
- \* Back.end service for mobile apps
  - \* Azure Mobile Services

# Data Storage Options

- \* NoSQL data support
  - \* MongoDB ( <https://mongolab.com/> )
- \* Big data support
  - \* Microsoft HDInsight

# NoSQL

- \* **NoSQL is database that does not use relational database as its core mechanism.**
- \* NoSQL database are built around concept of key-value relationship.
  - \* Azure Storage Tables works in same principle.
  - \* Main advantage is "horizontal-scaling" that works better in machine clusters than traditional relational database.
- \* See also: <https://en.wikipedia.org/wiki/NoSQL>

# Options

- \* **Current hype points towards a choice between relational database and key-value pairing.**
- \* Think what would be the best choice?

# Questions?