ArangoDB provides scalable queries when working with graph data.[5][page needed] The database uses JSON as a default storage format,[6] but internally it uses ArangoDB's VelocyPack – a fast and compact binary format for serialization and storage.[7] ArangoDB can natively store a nested JSON object as a data entry inside a collection. Therefore, there is no need to disassemble the resulting JSON objects. Thus, the stored data would simply inherit the tree structure of the XML data

Cluster Point

Couch Base

Cosmos DB

MongoDB

Toku mx

Technology Stack Persistence Selection

Couchbase: It is an open source database designed to store documents in JSON format and is especially useful to be used in clusters, but in terms of documentation, and information on how to use it with the .Net framework is quite difficult to find.

ArangoDB: It is a multimode database that supports key/value, document and graph databases. Uses AQL (ArangoDB Query Language) that is similar to SQL. Use JSON as a predefined format for storage and can be implemented in AWS and Azure.

MongoDB: It is open source and the most used, therefore the documentation is complete there is a driver to use it in .Net available in the Nuget package manager, besides supporting LINQ, supports search by fields, by rank and by regular expressions, of all the options above, it is the most viable because the information on how to use it and the possible problems that may arise will be easier to solve because of this.