LiteDB

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Docs

Overview

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LiteDB v5 - A .NET NoSQL Document Store in a single data file

Getting Started

LiteDB is a simple, fast and lightweight embedded .NET document database. LiteDB was inspired by the MongoDB database and its API is very …

Data Structure

LiteDB stores data as documents, which are JSON-like objects containing key-value pairs. Documents are a schema-less data structure. Each …

Object Mapping

The LiteDB mapper converts POCO classes documents. When you get a ILiteCollection instance from LiteDatabase.GetCollection, T will be your …

Collections

Documents are stored and organized in collections. LiteCollection is a generic class that is used to manage collections in LiteDB. Each …

BsonDocument

The BsonDocument class is LiteDB's implementation of documents. Internally, a BsonDocument stores key-value pairs in a Dictionary. var …

Expressions

Expressions are path or formulas to access and modify the data inside a document. Based on the concept of JSON path …

DbRef

LiteDB is a document database, so there is no JOIN between collections. You can use embedded documents (sub-documents) or create a reference …

Connection String

LiteDatabase can be initialized using a string connection, with key1=value1; key2=value2; ... syntax. If there is no = in your connection …

FileStorage

To keep its memory profile slim, LiteDB limits the size of a documents to 1MB. For most documents, this is plenty. However, 1MB is too small …

Indexes

LiteDB improves search performance by using indexes on document fields or expressions. Each index storess the value of a specific expression …

Encryption

LiteDB uses salted AES (as defined by RFC 2898) as its encryption. This is implemented by the Rfc2898DeriveBytes class. The Aes object used …

Pragmas

In LiteDB v5, pragmas are variables that can alter the behavior of a datafile. They are stored in the header of the datafile. Name ...

Collation

A collation is a special pragma (for more info, see Pragmas) that allows users to specify a culture and string compare options for a ...

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