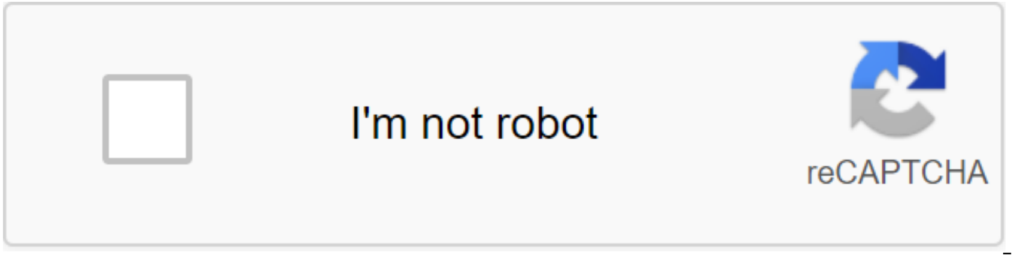
Couchbase lite android example



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Couchbase Mobile 2.x brings power to the NoS'L JSON Document Store for iOS, Android and .Net mobile platforms. With Couchbase Mobile, you can create mobile apps with capabilities only offline and offline. Couchbase Mobile supports flexible deployment options. You can deployCouchbase Lite as a standalone built-in database in your mobile apps or, Couchbase Lite included mobile customers with Sync Gateway to synchronize data between your mobile customers or, Couchbase Lite enabled customers with Sync Gateway to synchronize data between mobile customers and Couchbase Server, which can store data in the cloud (public or private) TutorialThis tutorial will walk you through a very simple example mode in your Android applications. In this mode, Couchbase Lite will serve as a local built-in data store in your apps. At the end of the tutorial, you should have a good idea of how to handle - Database Operations - Document Creating, Updating and Deleting Operations One NoS'L Database for the entire mobile. Start Building Couchbase Mobile is a complete solution for the NoS'L database for all storage, access, synchronization, and security systems throughout the application stack. It includes: Couchbase Lite, our built-in database, manages and stores data locally on the device. It has full CRUD functionality and queries, and supports all major platforms including iOS, OS X, tvOS, Android, Linux, Windows, Xamarin and more. Couchbase Mobile includes synchronization between Couchbase Lite and Couchbase Server, as well as peer-to-peer synchronization between Couchbase Lite instances. Synchronization is organized by Sync Gateway, our safe web gateway. Built-in enterprise security includes user authentication, user-based and role-based access control (RBAC), secure transportation through TLS, and 256-bit full AES database encryption. Couchbase Mobile enhances events when data changes in the database. You can subscribe to these events on both the device and the server. REST APIs provide complete software access for reading and recording data over the Internet. The input and release of JSON and it's easy to integrate with existing applications and REST architectures. Stream and Batch APIs provide access to low-latency data change streams, and bulk operations receive and deliver. These APIs balance latency, bandwidth, and error tolerance, providing comprehensive control of package information when using thread processing to ensure real-time access to data changes. Couchbase Mobile uses JSON as an easy and flexible data modeling language. All data is stored and transmitted as JSON, including built-in database, database server REST API, STREAMING API and API package. Couchbase Server, our database server, manages and stores data in the cloud. It easily scales up billions of records and terabytes of data, supports millions of simultaneous users and delivers 24x365 24x365 Swift Objective-C Java C : Get a database (and create it if it doesn't exist) var database and new database (mydb); Creating a new document (i.e. recording) in the database line ID is zero; (var mutableDoc - new MutableDocument)- mutableDoc.SetFloat (version, 2.0f). SetString (type, SDK); Keep it in the database. Save (mutatedDoc); id No mutableDoc.Id; Update the document using (var doc) database. GetDocument (id)) using (var mutableDoc and doc. ToMutable () - mutableDoc.SetString (language, C) ; Database. Save (mutatedDoc); (var docAgain - database. GetDocument (id)) - Console.WriteLine ($ID:: docAgain.Id); Console. WriteLine ($Training (docAgain.GetString) ; Issue: Create a request for SDK-type documents , i.e. SELECT - FROM the database where the SDK type is used (query var - Builder.Select (SelectResult.All). EqualTo (Expression.Struna (SDK))))) - / You run the result of the var request and the request. Run (); Console. WriteLine ($A number of lines :: result. Count (); Creating a replicator to push and pulling changes in and out of the var targetEndpoint cloud - the new URLEndpoint (the new Uri (ws://localhost:4984/example_sg_db)); var replConfig - new replicationConfiguration (database, targetpoint); Add authentication replConfig.Authenticator - new BasicAuthenticator (john, pass); Create a replicar var replicator and a new replicator (replConfig); Replication. AddChangeListener ((sender, args) if (args. Status.Error!' null) - Console.WriteLine ($A: Args. Status.Error); } }); Replication. Beginning Later, stop and recycle the replicator (before closing/deleting the database // Get a database (and create it if it doesn't exist). NSError Error; CBLDatabase (database) (CBLDatabase alloc) initWithName: mydb error: error; Create a new docu6ment (i.e. records) in the database. CBLMutableDocument «mutableDoc» (CBLMutableDocument alloc); MutableDoc setFloat:2.0 forKey:version; MutableDoc setString:SDK forKey: Type; Keep it in the database. Database Save Document: Mute BugDoc:Error; Update the document. CBLMutableDocument mutableDoc2 (database documentWithID:mutableDoc.id) toMutable;; MutableDoc2 setString:Swift forKey: language;; Database Save Document: Mute ErrorDoc2:Error; CBLDocument (document) - database documentWithID:mutableDoc2.id; Log in to the document ID (generated by the database) / and NSLog properties (ID:: % document.id); NSLog (Learning %, ForKey:language; Create a request to obtain documents like SDK. CBL'YExpression type (CBL-KveryExpress property:type type «CBL»КвериЭкспрессия строка: »SDK»)» ; CBL'Y (запрос) - CBL'YBuilder выберите: CBL'YSelectResult all от: CBL'yDataИсточник CBL'yDataИсточник Where:type; Follow the CBL'YResultSet request (result) NSLog (Number of lines: %lu, (unsigned long)allResults result); Create replicators to push and pull changes into and out of the cloud. NSURL (NSURL alloc) initWithString:'ws://localhost:4984/example_sg_db; CBLURLAndpoint TargetPoint (CBLURLEndpoint alloc) initWithURL:url;; CBLReplicatorConfiguration (replConfig) - CBLReplicatorConfiguration alloc initWithDatabase:targetEndpoint replConfig.replicatorType - kCBLReplicatorTypePushAndPull; Add authentication. replConfig.authenticator - CBLBasicAuthenticator alloc initWithUsername: John password: pass; Create a replicator. CBLReplicator (CBLReplicator alloc) initWithConfig:replConfig;; Listen to the events of the replicator change. AddChangeListener: (CBLReplicatorSchang changes) if (change.status.error) - NSLog (error code: %ld), change.status.error.code); The beginning of replication (the beginning of the replicator); Get a database (and create it if it doesn't exist). Let the database: Database makes a database - try the database (title: mydb) - catch - fatalError (Error Discovery Database) / Create a new document (i.e. record) in the database. Let mutableDoc - MutableDocument () .setFloat (2.0, forKey: version) .setString (SDK, forKey: type) / Save it in the database. do - try database.saveDocument (mutableDoc) - catch - fatalError (Document for Saving Errors) / Update the document. if you allow mutableDoc and database.document (sID: mutableDoc.id)?. toMutable () - mutableDoc.setString (Swift, forKey: language) - try database.saveDocument (mutableDoc) let the document - database.document (withID: mutableDoc.id)! Enter the document ID (generated by the database) / and print properties (document ID:: (document.id)) print (Document.string (forKey: language)) - catch - fatalError (document update error) - / Create a request for SDK documents. Let the query - queryBuilder .select (SelectResult.all().).from (DataSource.database)).) .where (Expression.property (type). equalTo (expression.string)))) / You run the request. to push and pull changes to and from the cloud. let targetEndpoint and URLEndpoint (url: URL (line: ws://localhost:4984/example_sg_db)!) let replConfig and ReplicatorConfiguration (database: database, TargetEndpoint) replConfig.replicatorType .pushAndPull/ Add authentication. replConfig.authenticator - BasicAuthenticator (user name: john, password: pass) / Create a replicator. let replicator and replicator (config: Listen to the events of the replicator change. AddChangeListener if you make a mistake and change.status.error as Print (error code :: (error.code)) Start replication. replicator.start () - / / Get a database (and create it if it doesn't exist). The Config Configuration Database is a new version of the database (/Android Context)/context); Database - new database (mydb, config); Create a new document (i.e. records) in the database. MutableDocument mutableDoc - new MutableDocument () .setFloat (version, 2.0F) .setString (type, SDK); Keep it in the database. database.save Update the document. mutableDoc - database.getDocument (mutableDoc.getId.)) toMutable (); mutableDoc.setString database.save Document documents - database.getDocument (mutableDoc.getId.); Sign up for the document ID (created by the database) and Log.i properties (TAG, Id: Log.i (TAG, Training - document.getString(language)); Create a request for documents such as SDK. Request request - querybuilder.select (SelectResult.all().from (DataSource.database).). Log.i (TAG, Number of lines:: - result.allResults ().size ()); Create replicators to push and pull changes into and out of the cloud. TargetEndpoint is the new URLEndpoint (new URI (ws://localhost:4984/example_sg_db)); ReplicationConfiguration replConfig - new replicationConfiguration (database, targetpoint); replConfig.setReplicatorType (ReplicatorConfiguration.ReplicatorType.PUSH_AND_PULL); Add authentication. replConfig.setAutentator (new BasicAuthenticator (John, pass)); Create a replicator. Replicator replicator - new replicator (replConfig); Listen to the events of the replicator change. The @Override public void has been changed (Change ReplicatorChange) - if (change.getStatus().getError) ! (only some of our customers are building faster and more powerful apps with NoS'L) Predix, GE's industrial internet platform software, connects machines like turbines, wagons, wind farms, and more. GE field engineers work in an environment where offline is the norm, so GE had to build a platform that these remote workers could count on to work anywhere, at any time. In need of a solution that would give Predix full autonomous support for these machines and the applications that drive them, GE turned to Couchbase Mobile. In less than 90 days, GE integrated Couchbase Mobile into the Predix platform and, in the process, saved years of development time without having to build its own standalone solutions and synchronize the engine. As one of Europe's largest airlines, Ryanair's 3 million mobile users rely on a mobile app to their flights. Ryanair faces customer experience with their app. Bookings took more than 5 minutes to complete and users were unhappy. With Couchbase Mobile, Ryanair has been able to revamp its entire application experience without significant rearchitecture into an existing app. As a result, booking times are 2.5 times faster and data transfer is now 8 times more efficient. The CrowdComfort app improves building and workplace management. Companies such as DreamWorks and General Electric rely on CrowdComfort to allow their employees to report, track and solve construction problems on specific sites with their smartphones. With its offline capabilities, scalability and circuit-free design, CrowdComfort has chosen Couchbase Mobile to support a wide range of facilities. Couchbase Mobile provides an ever-available and fast experience, regardless of the availability and performance of the network. One NoS'L database for all mobile. Building starts couchbase lite android example github

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