

Connect to MongoDB from Kotlin Application – Example

Connect to MongoDB from Kotlin

Connect to MongoDB from Kotlin– In this [MongoDB Tutorial](#) we shall learn to connect to [MongoDB](#) from [Kotlin](#) Application.

To connect to MongoDB from Kotlin Application, following is a step by step guide :

1. Download MongoDB Java Driver

Download latest available MongoDB Java Driver from Maven Repository. [<https://mvnrepository.com/artifact/org.mongodb/mongo-java-driver/>] For this tutorial, we shall download 3.5.0, which was then latest.

2. Add jar file to the build path

In IntelliJ IDEA, copy the jar file to lib folder, then right click on the jar file and 'Add as Library'. In Eclipse, follow : Project -> Properties -> Java Build Path -> Libraries -> Add Jars -> Select the jar -> Click "Apply" -> Click "OK"

3. Create MongoClient

In your Kotlin Application, create a new MongoClient with host and port provided as arguments to the constructor.

```
mongoClient =  
MongoClient(host
```

```
mongoClient = MongoClient( host , port )
```

host (String) and **port** (Integer) are IP Address or hostname and Port Number respectively at which MongoDB Daemon Service is running. If the details provided are successful, mongoClient creates a new Client to the MongoDB.

4. MongoClient is Ready

If there is no exception thrown during MongoClient creation, your MongoClient is successfully connected to MongoDB.

5. Close connection to MongoDB

Once you are done with the MongoDB Operations, close the connection between MongoClient and MongoDB Daemon Service.

```
mongoClient!!.close()
```

```
mongoClient!!.close()
```

Example Kotlin Program – To demonstrate Connection to MongoDB

Following is an example Kotlin Program to demonstrate on how to establish a connection to MongoDB by creating a MongoClient :

KotlinMongoConnectionExample.java

```
import
com.mongodb.MongoCli

import com.mongodb.MongoClient
import com.mongodb.MongoException

/**
 * Created by TutorialKart on 31/10/17.
 */
object KotlinMongoConnectionExample {

    @JvmStatic
    fun main(args: Array<String>) {
        var mongoClient: MongoClient? = null
        try {
            mongoClient = MongoClient("127.0.0.1", 27017)
            println("Connected to MongoDB!")
        } catch (e: MongoException) {
            e.printStackTrace()
        } finally {
            mongoClient!!.close()
        }
    }
}
```

Output

```
Nov 01, 2017 9:08:55
AM
```

Nov 01, 2017 9:08:55 AM com.mongodb.diagnostics.logging.JULLogger log

INFO: Cluster created with settings {hosts=[127.0.0.1:27017], mode=SINGLE, requiredClusterType=UNKNOWN, serverSelectionTimeoutMs', maxWaitQueueSize=500}

Connected to MongoDB!

Conclusion :

In this [MongoDB Tutorial](#) we have learnt to make a connection to MongoDB from [Kotlin Application](#) using MongoDB Java Driver.

MongoDB Tutorial

- [MongoDB Tutorial](#)
- [Install MongoDB on Ubuntu](#)
- [Start MongoDB Server](#)
- [MongoDB Shell](#)
- [Check MongoDB Version](#)
- [MongoDB Server Port Number - Default Value and How to Change it](#)
- [MongoDB Script](#)

Database

- [MongoDB Database](#)
- [MongoDB Create Database](#)
- [MongoDB Delete Database](#)

Collections

- [MongoDB Collection](#)
- [MongoDB Create Collection](#)
- [MongoDB Delete Collection](#)

Documents

- [MongoDB Document](#)
- [MongoDB Insert Document](#)
- [MongoDB Query Documents](#)
- [MongoDB Project Fields in Result](#)
- [MongoDB Update Document](#)
- [MongoDB Delete Document](#)
- [MongoDB Limit Documents](#)
- [MongoDB Skip Documents](#)

↳ [MongoDB Skip Documents](#)

↳ [MongoDB Sort Documents](#)

↳ [MongoDB Setup Replica Set](#)

↳ [MongoDB Locks](#)

MongoDB Concepts

↳ [MongoDB Text Search](#)

↳ [MongoDB MapReduce](#)

↳ [MongoDB Backup - mongodump](#)

MongoDB Queries

↳ [MongoDB Date](#)

MongoDB Queries

↳ [MongoDB Date\(\)](#)

MongoDB Integration

MongoDB Java

↳ [Connect to MongoDB from Java](#)

MongoDB Python

↳ [Connect to MongoDB from Python](#)

MongoDB Kotlin

↳ [Connect to MongoDB from Kotlin](#)

MongoDB Node.js

↳ [Node.js MongoDB](#)

↳ [Node.js MongoDB Connection](#)

↳ [Node.js MongoDB Create Database](#)

↳ [Node.js MongoDB Drop Database](#)

↳ [Node.js MongoDB Create Collection](#)

↳ [Node.js MongoDB Delete Collection](#)

↳ [Node.js MongoDB Insert Documents](#)

↳ [MongoError: failed to connect to server](#)

MongoDB Others

↳ [MongoDB Interview Questions](#)

↳ [Uninstall MongoDB from Ubuntu](#)

Useful Resources

↳ [How to Learn Programming](#)

