



PROFESOR:

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PERÍODO ACADÉMICO:

2025-A

TÍTULO:

Conexión a Mongo Atlas desde Java



Estudiante

JOSSELYN ANABEL AYO HARO

2025-A



Paso 1: Descargamos las dependencias para Mongo:

- En files selecciona el archivo .jar

Librería principal para conectarse a MongoDB desde Java.

- <https://mvnrepository.com/artifact/org.mongodb/mongodb-driver-sync/5.5.1>

The screenshot shows the Maven Repository website for the artifact `org.mongodb:mongodb-driver-sync:5.5.1`. The page includes a search bar, a sidebar with popular categories, and a main content area with details about the artifact. A note indicates a new version (5.6.0-alpha0) is available.

MVN REPOSITORY Search for groups, artifacts, categories Search Categories Popular Contact Us

Indexed Artifacts (60.8M)

Popular Categories

- Testing Frameworks & Tools
- Android Packages
- JVM Languages
- Logging Frameworks
- Java Specifications
- JSON Libraries
- Core Utilities
- Mocking
- Web Assets
- Annotation Libraries
- Language Runtime
- HTTP Clients

Home » org.mongodb » mongodb-driver-sync » 5.5.1

MongoDB Driver » 5.5.1
The MongoDB Synchronous Driver

License	Apache 2.0
Categories	MongoDB Clients
Tags	database nosql driver synchronization client mongodb
HomePage	https://www.mongodb.com/
Date	Jun 07, 2025
Files	pom (1 KB) jar (168 KB) View All
Repositories	Central GWDG
Ranking	#867 in MvnRepository (See Top Artifacts) #3 in MongoDB Clients
Used By	680 artifacts

Note: There is a new version for this artifact

New Version 5.6.0-alpha0

Maven Gradle SBT Mill Ivy Grape Leiningen Buildr

Curso gratuito: Aprender a conseguir un segundo ingreso gracias a la bolsa de valores

Taller gratuito: Aprender a diversificar tus fuentes de ingreso gracias a la bolsa de valores

Librería

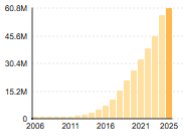
<https://mvnrepository.com/artifact/org.mongodb/mongodb-driver-core/5.5.1>

Maven Repository: org.mongodbMaven Repository: org.mongodb

mvnrepository.com/artifact/org.mongodb/mongodb-driver-core/5.5.1

Search for groups, artifacts, categoriesSearchCategoriesPopularContact Us

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Popular Categories

Testing Frameworks & Tools

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Language Runtime

Home » org.mongodb » mongodb-driver-core » 5.5.1




MongoDB Java Driver Core » 5.5.1

Shared components for the Synchronous and Reactive Streams implementations of the MongoDB Java Driver.


License	Apache 2.0
Tags	database driver mongodb
HomePage	https://www.mongodb.com/
Date	Jun 07, 2025
Files	pom (4 KB) jar (1.8 MB) View All
Repositories	Central
Ranking	#2301 in MvnRepository (See Top Artifacts)
Used By	244 artifacts
Vulnerabilities	<div>Vulnerabilities from dependencies:</div> <div>CVE-2023-43642 CVE-2023-34462</div>

Note: There is a new version for this artifact

New Version	5.6.0-alpha0
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Los ecuatorianos recibirán formación gratuita para aprender a invertir en la bolsa de valores



Ecuador: Únete a un curso gratuito para aprender a invertir en la bolsa de valores

https://mvnrepository.com/open-source/json-libraries

BOO Conexión a MoVideo3 - OneDrive - Maven RepositoryOBS31.02 - Perfil SiTaller: Cleyer Cloud - Videos

ESP 23:04



Esta librería permite usar los documentos BSON de MongoDB.

- <https://mvnrepository.com/artifact/org.mongodb/bson/5.5.1>

The screenshot shows the Maven Repository website for the BSON 5.5.1 artifact. The page includes a search bar, a sidebar with popular categories, and a main content area with details about the artifact. A note indicates a new version (5.6.0-alpha0) is available.

MVN REPOSITORY

Search for groups, artifacts, categories

Home » org.mongodb » bson » 5.5.1

BSON » 5.5.1
The BSON library

License: Apache 2.0

Categories: BSON Serialization

Tags: format, database, binary, data, object, serialization, bson, mongodb

HomePage: <https://bsonspec.org>

Date: Jun 07, 2025

Files: pom (1 KB), jar (514 KB) View All

Repositories: Central

Ranking: #1344 in MvnRepository (See Top Artifacts), #1 in BSON Serialization

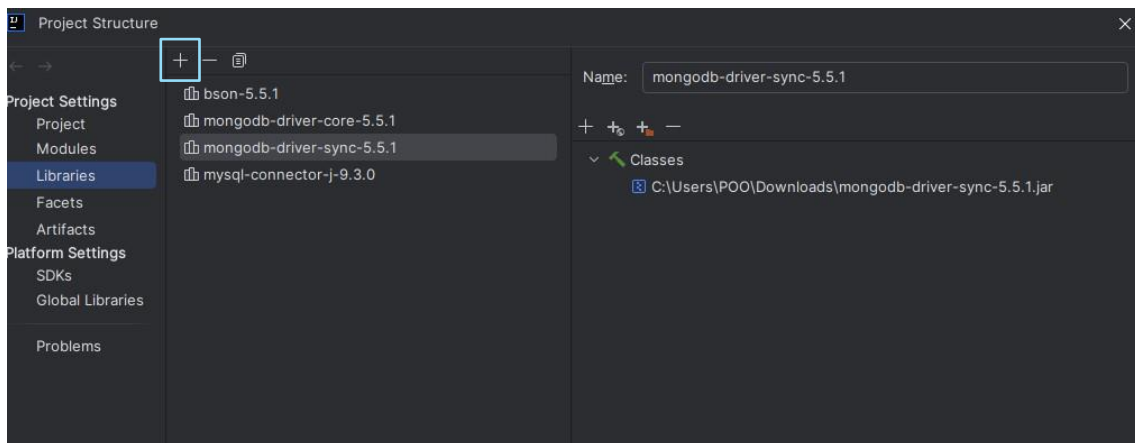
Used By: 436 artifacts

Note: There is a new version for this artifact

New Version: 5.6.0-alpha0

Maven, Gradle, SBT, Mill, Ivy, Grape, Leiningen, Buildr

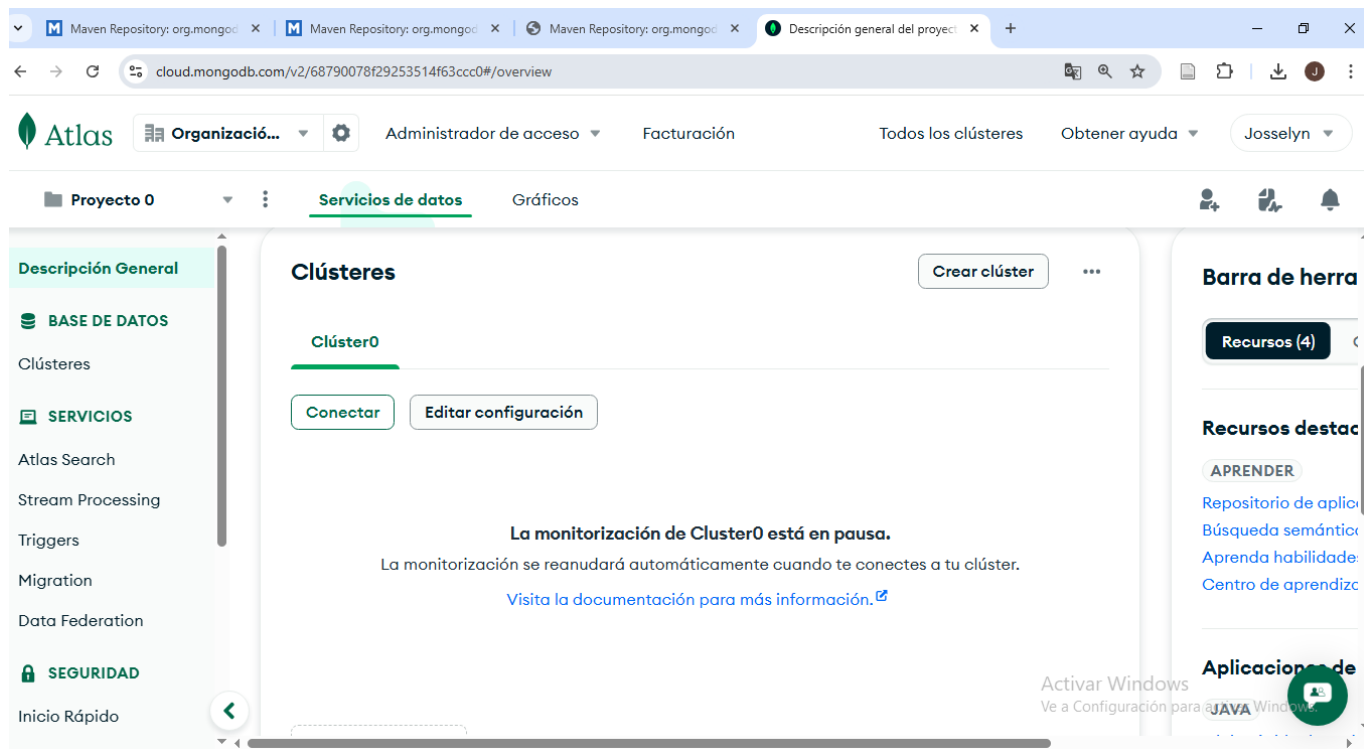
Paso 2: Instalamos las dependencias como librerías en IntelliJ



Paso 3: Conectamos el Cluster en mongo Atlas



Paso 4: Una vez creado el clúster, ingresa en connect.



Dentro de drivers

Connect to your application



Drivers

Access your Atlas data using MongoDB's native drivers (e.g. Node.js, Go, etc.)



Copia este link

mongodb+srv://anabelayo2017:<db_password>@cluster0.yytyyy1.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0



Paso 5: En mongo crea una nueva base de datos y una colección

The screenshot shows the MongoDB Atlas web interface. The left sidebar contains navigation options: Overview, DATABASE, Clusters, SERVICES, Atlas Search, Stream Processing, Triggers, Migration, Data Federation, SECURITY, and Quickstart. The main panel is titled 'ClusterU' and shows the 'Collections' tab. Under the 'Clientes' database, the 'tablas' collection is selected. The collection details show a storage size of 4KB, logical data size of 0, and total documents of 0. There are buttons for 'Find', 'Indexes', 'Schema Anti-Patterns', 'Aggregation', and 'Search Indexes'. An 'INSERT DOCUMENT' button is visible at the bottom right.

Paso 6: Procedemos con la inserción de información: Información Ingresada

The screenshot shows the MongoDB Atlas web interface for the 'Java_Atlas.cliente' database. The 'tablas' collection is selected. The collection details show a storage size of 36 KB, logical data size of 2088, total documents of 2, and total index size of 36 KB. There are buttons for 'Encontrar', 'Índices', 'Antipatrones de esquema', 'Agregación', and 'Índices de búsqueda'. An 'INSERTAR DOCUMENTO' button is visible at the bottom right.

The screenshot shows the MongoDB Atlas web interface with the 'INSERT DOCUMENT' button highlighted. Below the button, there is a query filter section with the text 'Type a query: { field: 'value' }'. There are buttons for 'Filter', 'Reset', 'Apply', and 'Options'. The main panel displays the following JSON document:

```
{
  "_id": ObjectId('687f1faa069d34629c728a4e'),
  "nombre": "Josselyn",
  "apellido": "Ayo",
  "edad": 19
}
```



Paso 7: Ingresamos el link para llamar a la información a través de nuestro código en IntelliJID.

```
package MONGOATLAS;

import com.mongodb.client.*;
import org.bson.Document;

public class Main {
    public static void main(String[] args) {
        // URI de conexión (reemplaza <tu_contraseña> con la real)
        String uri =
"mongodb+srv://anabelayo2017:123456789Dios@cluster0.yytyyy1.mongodb.net/clientes?retr
yWrites=true&w=majority&appName=Cluster0";

        try (MongoClient mongoClient = MongoClient.create(uri)) {
            // Accede a la base de datos (cambia el nombre si es distinto)
            MongoDBDatabase database = mongoClient.getDatabase("Cliente");

            // Accede a la colección
            MongoCollection<Document> collection = database.getCollection("tablas");

            // Imprime los documentos de la colección
            for (Document doc : collection.find()) {
                System.out.println("ID: " + doc.getObjectId("_id"));
                System.out.println("Nombre: " + doc.getString("nombre"));
                System.out.println("Apellido: " + doc.getString("apellido"));
                System.out.println("Edad: " + doc.getInteger("edad"));
                System.out.println("-----");
            }

        } catch (Exception e) {
            System.out.println("✗ Error de conexión: " + e.getMessage());
        }
    }
}
```

```
1 package MONGOATLAS;
2
3 import com.mongodb.client.*; no usages
4 import org.bson.Document;
5
6 public class Main {
7     public static void main(String[] args) {
8         // URI de conexión (reemplaza <tu_contraseña> con la real)
9         String uri = "mongodb+srv://anabelayo2017:123456789Dios@cluster0.yytyyy1.mongodb.net/cl
10
11
12         try (MongoClient mongoClient = MongoClient.create(uri)) {
13             // Accede a la base de datos (cambia el nombre si es distinto)
14             MongoDBDatabase database = mongoClient.getDatabase("Cliente");
15
16             // Accede a la colección
17             MongoCollection<Document> collection = database.getCollection("tablas");
18
19             // Imprime los documentos de la colección
20             for (Document doc : collection.find()) {
21                 System.out.println("ID: " + doc.getObjectId("_id"));
```




Información Registrada y Leída:

```
jul 22, 2025 1:10:59 A. M. com.mongodb.internal.diagnostics.logging.Loggers shouldUseSLF4J
WARNING: SLF4J not found on the classpath. Logging is disabled for the 'org.mongodb.driver' component
ID: 687f27fffd88ba45d10c9260
Nombre: null
Apellido: null
Edad: null
-----
ID: 687f290cfd88ba45d10c9262
Nombre: null
Apellido: null
Edad: null
-----
ID: 687f2b2c5351930c68694cf3
Nombre: Josselyn
Apellido: Ayo
Edad: 19
-----
Process finished with exit code 0
```

LINK DEL VIDEO: https://youtu.be/efiyB_fOU4A?si=8-DpbQyZwyK7GPWz