How-To Library

Informatica

Connecting to MongoDB Atlas Database from Cloud Data Integration

Abstract

MongoDB Connector uses the Simba MongoDB JDBC driver to connect to MongoDB Atlas. This article provides detailed information about the MongoDB Connection properties that you can configure in a MongoDB connection to connect to MongoDB Atlas database using Cloud Data Integration.

Supported Versions

- Informatica Cloud® Data Integration Summer 2019

Table of Contents

Overview

You can use MongoDB Connector to connect to MongoDB Atlas database using Cloud Data Integration. Configure a MongoDB connection and specify the details in the **Connection Details** of the MongoDB connection.

Note:

- MongoDB Connector is certified with Atlas version 4.0.6 used to connect to MongoDB Atlas database from Cloud Data Integration.
- Connecting to MongoDB Atlas database from Cloud Data Integration is dependent on Simba JDBC drivers.

Connecting to MongoDB Atlas Database from Cloud Data Integration

Prerequisites

Before you configure a MongoDB connection to connect to MongoDB Atlas database, you must complete the following prerequisites:

- Enable the MongoDB Connector license for your organization.
- Ensure that you configure the IP address which is used to host the Secure Agent.
- Create a MongoDB user to access the databases on your Atlas cluster.
- Copy the primary node host name and create a user with admin privileges.

For more information, contact Informatica Global Customer Support.

Configure the connection IP address

Configure the IP address which is used to host the Secure Agent to allow the connection from the MongoDB Atlas JDBC driver.

Perform the following steps to configure your IP Address:

1. In the **Security** tab of the Atlas cloud instance, click **Network Access**.

   The **IP Whitelist** window appears.
2. Click **+ Add IP Address**.
3. Enter the IP address with admin privileges to access the MongoDB connection.
4. Click **Save** and **Close**.

Add a MongoDB User

You must add a MongoDB user with Atlas admin privileges to access the MongoDB Atlas database.

Perform the following steps to add a MongoDB user:

1. In the **Security** tab of the cloud instance, click **Database Access**.

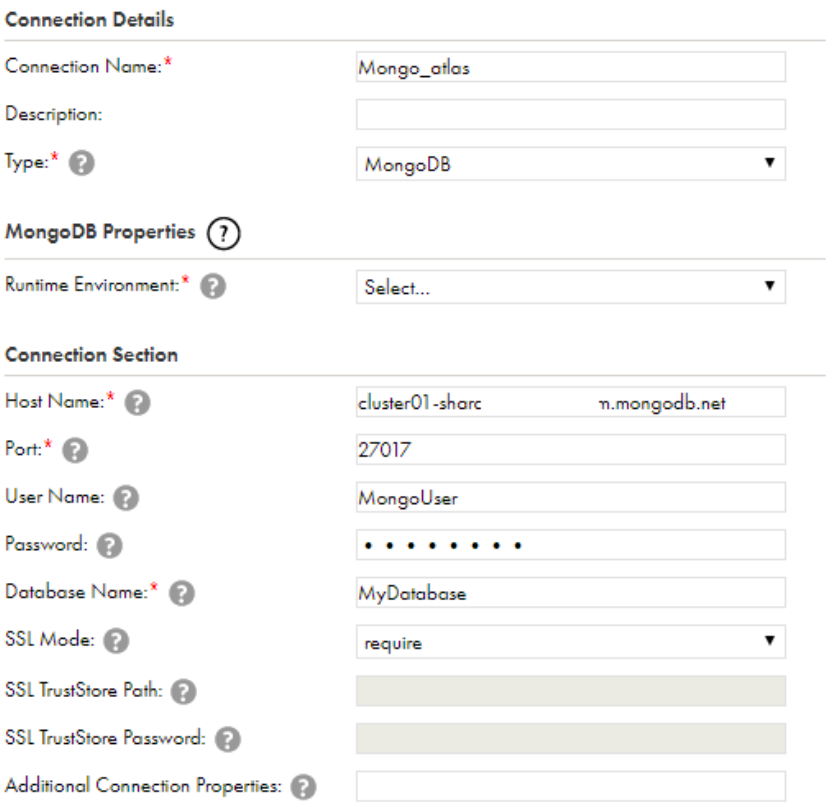
   The **MongoDB Users** window appears.
2. Click **+ Add New User**.
3. Enter the user information. You must add an user with admin privileges.
4. Click **Add User** .

Configure a MongoDB Connection

You must configure a MongoDB connection to connect to a MongoDB database. You can configure a connection on the **Connections** page in Administrator or in a wizard when you configure a mapping.

1. Perform either of the following steps:
   - In Administrator, select **Connections**.
   - In Data Integration, open a Source or Target transformation in a mapping.
2. Click **New Connection**.

The **Connection Details** dialogue appears:



3. Configure the following connection details:

Property	Description
Connection Name	The name of the connection. The name is not case sensitive and must be unique within the domain. You can change this property after you create the connection. The name cannot exceed 128 characters, contain spaces, or contain the following special characters: ~ ` ! $ % ^ & * ( ) - + = { [}] | \ : ; " ' < , > . ? /
Description	Optional. The description of the connection. The description cannot exceed 4,000 characters.
Type	The connection type. Select **MongoDB**.

4. Configure the following connection properties:

Property	Description
Runtime Environment	Name of the runtime environment where you want to run the tasks.
Host Name	Host name or IP address of the MongoDB server.
Port	MongoDB server port number. Default is 27017.
User Name	User name to access the MongoDB server.
Password	Password corresponding to the user name to access the MongoDB server.
Database Name	Name of the MongoDB database to connect to.
Additional Connection Properties	Enter one or more JDBC connection parameters in the following format: `<param1>=<value>&<param2>=<value>&<param3>=<value>` You must provide the JDBC parameters as ampersand-separated key-value pairs. MongoDB Connector supports the following JDBC connection parameters: - AuthSource - BatchSize - connectTimeoutMS - DefaultStringColumnLength - DmlBatchSize - EnableDoubleBuffer - EnableTransaction - LogLevel - LogPath - SamplingLimit - SamplingStepSize - SamplingStrategy For example, DefaultStringColumnLength=512&DmlBatchSize=1000& EnableDoubleBuffer=false&EnableTransaction=true& SamplingLimit=200&SamplingStepSize=2&SamplingStrategy=Backwards **Note:** If you specify the host name, port number, user name, and password of the MongoDB server in the **Additional Connection Properties**, the values specified in the **Additional Connection Properties** takes precedence.
SSL Mode	Specifies whether the Secure Agent establishes a secure connection to the MongoDB server. You can set the SSL Mode to **require** or **one-way** to establish an encrypted connection to the MongoDB Atlas server. Default is **disabled**.
SSL TrustStore Path	Not applicable for MongoDB Connector.
SSL TrustStore Password	Not applicable for MongoDB Connector.

5. To test the MongoDB connection, click **Test Connection**.

   If a database connection fails, contact the database administrator.

6. Click **Save** to save the MongoDB connection.

Author

Ripa Bhagawati

Acknowledgements

The author would like to acknowledge Tanjot Singh Uppal and Akshatha Kamath Karkala for their technical assistance.