

Step 1 Set up a MongoDB database

Before starting to use the MongoDB Connector you have to set up a MongoDB instance and create a new database.

There are two main possibilities:

- Use a local MongoDB instance. You can install it on your computer or anywhere. Go to the [MongoDb documentation](#).
- Use the Cloud MongoDB service: [Atlas](#).

The screenshot shows the MongoDB Atlas interface. At the top, it says 'mongoDB. Atlas' and 'All Clusters'. There's a warning icon and text 'Please set your time zone'. On the right, it shows 'Usage This Month: \$0.00' with a 'details' link and a dropdown for 'Btib'. The main header is 'Clusters' with a 'Build a New Cluster' button. A sidebar on the left lists navigation options: ATLAS (Clusters, Data Lake BETA), SECURITY (Database Access, Network Access, Advanced), PROJECT (Access Management, Activity Feed, Alerts 0, Settings), and SERVICES. The main content area shows details for a 'Sandbox' cluster named 'Btib' (Version 4.0.10). It has buttons for 'CONNECT', 'METRICS', 'COLLECTIONS', and '...'. Below these, it lists 'INSTANCE SIZE' as 'M0 Sandbox (General)', 'REGION' as 'AWS / Frankfurt (eu-central-1)', 'TYPE' as 'Replica Set - 3 nodes', and 'LINKED STITCH APP' as 'None Linked'. On the right, there are two charts: 'Operations' (R: 0, W: 0, 100.0/s) and 'Logical Size' (271.5 KB, 512.0 MB max). Both charts show a 'Last 6 Hours' period. At the bottom right, there's a section 'Enhance Your Experience' with a description and an 'Upgrade' button.

Required information

In both cases, you will need the following information later:

- **Hostname:** the mongodb cluster instance hostname ([cluster-shard-00-00-w9pyz.mongodb.net](#) for example)
- **Port number:** the port number which the mongodb receives connection on (27017 with Cloud Atlas)
- **Database Name:** the name of the database where niagara will create documents.
- **Database username and password:** the database credentials (note: this user needs read/write/create/drop collections permissions in this database).
- (Optional) **Replica Set option Activated:** to be able to send messages from mongodb back to niagara devices/points.

Please gather and note those information, we will need them later.

Next Step

[Step 2 Set up the MongoDB connector for devices, points and references](#)