



MongoDB Documentation

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Node.js

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hosted on MongoDB Atlas. If you prefer to connect to MongoDB using a different driver or programming language, see our list of official drivers.

The Node.js driver is a library you can use to connect to and communicate with MongoDB.

MongoDB Atlas is a fully managed cloud database service that hosts your MongoDB servers. You can get started with your own free (no credit card required) MongoDB

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Set up Your Project

Install Node and npm

Ensure you have Node.js v12 or later and npm (Node Package Manager) installed in your development environment.

For information on how to install Node.js and npm, see

downloading and installing Node.js and npm. [↗](#)

Create the Project

First, in your shell, create a directory for

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project:

```
npm init -y
```

Add MongoDB as a Dependency

Install the Node.js driver:

```
npm install
```

This command performs the following actions:

- Downloads the `mongodb` package and the dependencies it requires

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At this point, you are ready to use the Node.js driver with your application.

Create a MongoDB Cluster

- 1 Create a Free Tier Cluster in Atlas

Create a free tier MongoDB cluster on MongoDB Atlas to store and manage your data.
MongoDB Atlas hosts

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up a new
Atlas
account, a
free tier
cluster (a
shared
MongoDB
instance)
and load
sample
data into
your
cluster.

2

Connect to
your Cluster

You can
connect to
your
MongoDB
cluster by

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information
on the
hostname o
IP address
and port of
your cluster,
the
authenticati
mechanism,
user
credentials
when
applicable,
and other
connection
options.

To connect t
an instance
or cluster nc
hosted on
Atlas, see
Other Ways
to Connect t

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log into your
Atlas account
and navigate
to the
Database
section and
click the
Connect
button for the
cluster that
you want to
connect to as
shown below



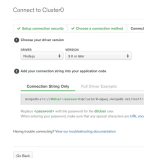
Proceed to
the **Connect**
Your
Application
section and
select the
Node.js

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shown below



Save your
connection
string to a
safe location

Connect to Your Application

- 1 Create your
Create a file
application c
your project
following co
uri variable

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```
useNew
useUn-
});
```

```
async fu
try {
awa-
```

```
cons
cons
```

```
// (
cons
cons
```

```
cons
} fina
// l
awa-
```

```
}
}
run().ca
```



TIP

The

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follow

cc

2

Run your Node Application

Run the application you created in the previous step by typing the command

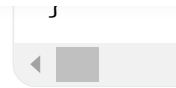
```
node index.js
```

You should see the details of the retrieved MongoDB document in the terminal output:

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If you encounter an error or no connection, check whether you specified the correct connection string in the application code and loaded the sample data into your Atlas cluster.

At this point, you should have a working application that uses the Node.js driver to connect to your MongoDB instance, runs a query, and prints out the sample data.

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