

Fix Node.js MongoError: failed to connect to server

MongoError: failed to connect to server

In this [Node.js Tutorial](#), we shall learn to fix **MongoError: failed to connect to server** by investigating into the scenarios that could trigger this error.

To fix Node.js **MongoError: failed to connect to server**, follow the two checkpoints

1. Make sure MongoDB Service is up and running.
2. The URL you provide to the MongoClient.connect() method should be correct.

How to Verify if MongoDB Service is up and running

Starting the Mongo Shell should verify this.

If your MongoDB Service is not up, you would get an Error in the Terminal as below :

Terminal - Starting Mongo Shell

```
arjun@tutorialkart:~/workspace/nodejs/mongodb$ mongo
MongoDB shell version v3.4.9
connecting to: mongodb://127.0.0.1:27017
2017-10-30T14:32:21.476+0530 W NETWORK [thread1] Failed to connect to 127.0.0.1:27017, in(checking socket for error
after poll), reason: Connection refused
2017-10-30T14:32:21.477+0530 E QUERY [thread1] Error: couldn't connect to server 127.0.0.1:27017, connection attempt
failed :
connect@src/mongo/shell/mongo.js:237:13
@(<connect>):1:6
exception: connect failed
```

Start your MongoDB Service with the command below :

```
sudo service mongod
start

sudo service mongod start
```

There should be no error reported when you start Mongo Daemon, mongod.

And when the Service is up, and Mongo Shell is started,

Terminal - Mongo Shell

```
arjun@tutorialkart:~/w
```

```
arjun@tutorialkart:~/workspace/nodejs/mongodb$ mongo
MongoDB shell version v3.4.9
connecting to: mongodb://127.0.0.1:27017
MongoDB server version: 3.4.9
```

How to make sure that the URL is correct?

When we start Mongo Shell, MongoDB logs the URL to Terminal, similar to something like below :

```
connecting to:
```

```
connecting to: mongodb://127.0.0.1:27017
```

mongodb://127.0.0.1:27017 is the base url.

Make sure that you are providing the same base URL (same IP and Port) in your Node.js Application.

node-js-mongodb-connection.js

```
// URL at which
```

```
MongoDB service is
```

```
// URL at which MongoDB service is running
var url = "mongodb://localhost:27017";

// A Client to MongoDB
var MongoClient = require('mongodb').MongoClient;

// Make a connection to MongoDB Service
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  console.log("Connected to MongoDB!");
  db.close();
});
```

Conclusion :

In this [Node.js MongoDB Tutorial – Node.js MongoError: failed to connect to server](#), we have learned some of the checkpoints to fix the error.

‡ [Node.js Tutorial](#)

Get Started With Node.js

‡ [Install Node.js Ubuntu Linux](#)

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‡ [Node.js - Basic Example](#)

‡ [Node.js - Command Line Arguments](#)

‡ [Node.js - Modules](#)

‡ [Node.js - Create a module](#)

‡ [Node.js - Add new functions to Module](#)

‡ [Node.js - Override functions of Module](#)

‡ [Node.js - Callback Function](#)

‡ [Node.js - forEach](#)

Express.js

‡ [Express.js Tutorial](#)

‡ [What is Express.js?](#)

‡ [Express.js Application Example](#)

‡ [Install Express.js](#)

‡ [Express.js Routes](#)

‡ [Express.js Middleware](#)

‡ [Express.js Router](#)

Node.js Buffers

‡ [Node.js Buffer - Create, Write, Read](#)

‡ [Node.js Buffer - Length](#)

‡ [Node.js - Convert JSON to Buffer](#)

‡ [Node.js - Array to Buffer](#)

Node.js HTTP

‡ [Node.js - Create HTTP Web Server](#)

‡ [Node.js - Redirect URL](#)

Node.js MySQL

‡ [Node.js MySQL](#)

‡ [Node.js MySQL - Connect to MySQL Database](#)

‡ [Node.js MySQL - SELECT FROM](#)

‡ [Node.js MySQL - SELECT WHERE](#)

‡ [Node.js MySQL - ORDER BY](#)

Node.js MySQL - INSERT INTO

Node.js MySQL - UPDATE

Node.js MySQL - DELETE

Node.js MySQL - Result Object

Node.js MongoDB

Node.js MongoDB

Node.js - Connect to MongoDB

Node.js - Create Database in MongoDB

Node.js - Drop Database in MongoDB

Node.js - Create Collection in MongoDB

Node.js - Delete Collection in MongoDB

Node.js - Insert Documents to MongoDB Collection

MongoError: failed to connect to server

Node.js Mongoose

Node.js Mongoose Tutorial

Node.js Mongoose - Installation

Node.js Mongoose - Connect to MongoDB

Node.js Mongoose - Define a Model

Node.js Mongoose - Insert Single Document to MongoDB

Node.js Mongoose - Insert Multiple Documents to MongoDB

Node.js URL

Node.js - Parse URL parameters

Node.js FS (File System)

Node FS

Node FS - Read a File

Node FS - Create a File

Node FS - Write to a File

Node FS - Append to a File

Node FS - Rename a File

Node FS - Delete a File

Node FS Extra - Copy a Folder

Node.js JSON

Node.js Parse JSON

‡ [Node.js Write JSON Object to File](#)

Node.js Error Handling

‡ [Node.js Try Catch](#)

Node.js Examples

‡ [Node.js Examples](#)

‡ [Node.js - Handle Get Requests](#)

‡ [Node.js Example - Upload files to Node.js server](#)

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