

1


```
C:\Windows\system32\cmd.exe - "node" "C:\Users\shre9\AppData\Roaming\npm\node_modules\nodemon\bin\nodemon.js" app.js
```

```
create mode 100644 node_modules/lodash/wrap.js
create mode 100644 node_modules/lodash/wrapperAt.js
create mode 100644 node_modules/lodash/wrapperChain.js
create mode 100644 node_modules/lodash/wrapperLodash.js
create mode 100644 node_modules/lodash/wrapperReverse.js
create mode 100644 node_modules/lodash/wrapperValue.js
create mode 100644 node_modules/lodash/xor.js
create mode 100644 node_modules/lodash/xorBy.js
create mode 100644 node_modules/lodash/xorWith.js
create mode 100644 node_modules/lodash/zip.js
create mode 100644 node_modules/lodash/zipObject.js
create mode 100644 node_modules/lodash/zipObjectDeep.js
create mode 100644 node_modules/lodash/zipWith.js
```

```
C:\Users\shre9\todolist>git branch -M main
```

```
C:\Users\shre9\todolist>git push -u origin main
```

```
Enumerating objects: 1056, done.
Counting objects: 100% (1056/1056), done.
Delta compression using up to 2 threads
Compressing objects: 100% (994/994), done.
Writing objects: 100% (1048/1048), 466.17 KiB | 820.00 KiB/s, done.
Total 1048 (delta 358), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (358/358), completed with 5 local objects.
To https://github.com/shreyamalogi/todolist.git
   25d026f..04e0e1b  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

```
C:\Users\shre9\todolist>nodemon app.js
```

```
[nodemon] 2.0.15
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node app.js`
Server started on port 3000
```

Command Prompt - mongo

```
true
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
todolistDb 0.000GB
> use todolistDb
switched to db todolistDb
> show collections
items
lists
> db.lists.find()
{ "_id" : ObjectId("61ed48ead360f08b8f953d21"), "name" : "Work", "items" : [ { "name" : "welcome to your todolist.", "_id" : ObjectId("61ed48d9d360f08b8f953d1c") }, { "name" : "hit the + button top add new item.", "_id" : ObjectId("61ed48d9d360f08b8f953d1d") }, { "name" : "<-- hit this to delete an item.", "_id" : ObjectId("61ed48d9d360f08b8f953d1e") }, { "name" : "write emails", "_id" : ObjectId("61ed4906d360f08b8f953d2a") } ], "__v" : 1 }
{ "_id" : ObjectId("61ed4e6bb3ad7cf78bb70053"), "name" : "School", "items" : [ { "name" : "welcome to your todolist.", "_id" : ObjectId("61ed4de5b3ad7cf78bb70049") }, { "name" : "hit the + button top add new item.", "_id" : ObjectId("61ed4de5b3ad7cf78bb7004a") }, { "name" : "<-- hit this to delete an item.", "_id" : ObjectId("61ed4de5b3ad7cf78bb7004b") }, { "name" : "bring pencil", "_id" : ObjectId("61ed4e89b3ad7cf78bb70068") } ], "__v" : 2 }
> db.lists.find().pretty()
{
  "_id" : ObjectId("61ed48ead360f08b8f953d21"),
  "name" : "Work",
  "items" : [
    {
      "name" : "welcome to your todolist.",
      "_id" : ObjectId("61ed48d9d360f08b8f953d1c")
    },
    {
      "name" : "hit the + button top add new item.",
      "_id" : ObjectId("61ed48d9d360f08b8f953d1d")
    },
    {
      "name" : "<-- hit this to delete an item.",
      "_id" : ObjectId("61ed48d9d360f08b8f953d1e")
    },
    {
      "name" : "write emails",
      "_id" : ObjectId("61ed4906d360f08b8f953d2a")
    }
  ],
  "__v" : 1
}
{
  "_id" : ObjectId("61ed4e6bb3ad7cf78bb70053"),
  "name" : "School",
  "items" : [
    {
      "name" : "welcome to your todolist.",
      "_id" : ObjectId("61ed4de5b3ad7cf78bb70049")
    },
    {
      "name" : "hit the + button top add new item.",
      "_id" : ObjectId("61ed4de5b3ad7cf78bb7004a")
    },
    {
      "name" : "<-- hit this to delete an item.",
      "_id" : ObjectId("61ed4de5b3ad7cf78bb7004b")
    },
    {
      "name" : "bring pencil",
      "_id" : ObjectId("61ed4e89b3ad7cf78bb70068")
    }
  ],
  "__v" : 2
}
```



```

        "name" : "write emails",
        "_id" : ObjectId("61ed4906d360f08b8f953d2a")
    },
    {
        "_v" : 1
    }
}

{
    "_id" : ObjectId("61ed4e6bb3ad7cf78bb70053"),
    "name" : "School",
    "items" : [
        {
            "name" : "welcome to your todoist.",
            "_id" : ObjectId("61ed4de5b3ad7cf78bb70049")
        },
        {
            "name" : "hit the + button top add new item.",
            "_id" : ObjectId("61ed4de5b3ad7cf78bb7004a")
        },
        {
            "name" : "<-- hit this to delete an item.",
            "_id" : ObjectId("61ed4de5b3ad7cf78bb7004b")
        },
        {
            "name" : "bring pencil",
            "_id" : ObjectId("61ed4e89b3ad7cf78bb70068")
        }
    ],
    "_v" : 2
}

> db.items.find()
{ "_id" : ObjectId("61ed1377027e40377c0b422c"), "name" : "welcome to your todoist.", "_v" : 0 }
{ "_id" : ObjectId("61ed1377027e40377c0b422d"), "name" : "hit the + button top add new item.", "_v" : 0 }
{ "_id" : ObjectId("61ed1377027e40377c0b422e"), "name" : "<-- hit this to delete an item.", "_v" : 0 }
>

```

Cape Town (af-south-1)

Cluster Tier

M0 Sandbox (Shared RAM, 512 MB Storage)
Encrypted

Base hourly rate is for a MongoDB replica set with 3 data bearing servers.

Shared Clusters for development environments and low-traffic applications

Tier	RAM	Storage	vCPU	Base Price
M0 Sandbox	Shared	512 MB	Shared	Free forever
M0 clusters are best for getting started, and are not suitable for production environments.				
500 max connections Low network performance 100 max databases 500 max collections				
M2	Shared	2 GB	Shared	\$9 / MONTH
M5	Shared	5 GB	Shared	\$25 / MONTH

Additional Settings

MongoDB 4.4, No Backup

FREE

Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

Cancel

Create Cluster

To Do List

Database Deployments | Cloud: |

Projects — MongoDB Atlas

cloud.mongodb.com/v2/61ee673c230131246b5702aa#clusters?fastPoll=true

Apps cp learn lab

Other bookmarks Reading list

shreys

Access Manager

Billing

All Clusters

Get Help

Shreya

todolist

Atlas

Realm

Charts

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Advanced

SHREYS > TODOLIST

Database Deployments

Find a database deployment...

Cluster0

Connect

View Monitoring

Browse Collections

...

FREE

SHARED

R 0

W 0

Last 35 seconds

100.0/s

Connections 0

Last 35 seconds

100.0

In 0.0 B/s

Out 0.0 B/s

Last 35 seconds

100.0 B/s

Data Size 0.0 B

Last 35 seconds

512.0 MB

Enhance Your Experience

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

VERSION	REGION	CLUSTER TIER	TYPE	BACKUPS	LINKED REALM APP	ATLAS SEARCH
4.4.11	AWS / N. Virginia (us-east-1)	M0 Sandbox (General)	Replica Set - 3 nodes	Inactive	None Linked	Create Index

System Status: All Good

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To Do List

Database Deployments | Cloud: |

Projects — MongoDB Atlas

Security Quickstart | MongoDB

cloud.mongodb.com/v2/61ee673c230131246b5702aa#setup/access?includeToast=true

Apps cp learn lab

Other bookmarks Reading list

shreys

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SHREYS > TODOLIST

Security Quickstart

To access data stored in Atlas, you'll need to create users and set up network security controls. [Learn more about security setup](#)

1

How would you like to authenticate your connection?

Your first user will have permission to read and write any data in your project.

Username and Password

Certificate

Create a database user using a username and password. Users will be given the *read and write to any database privilege* by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your MongoDB Cloud username and password.

Username

admin-shreya

Password

test123

Create User

✓ Your cluster has finished provisioning.

✕ to connect from?

Enable access for any network(s) that need to read and write data to your cluster.

ADVANCED

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Projects — MongoDB Atlas

Database Deployments | Cloud: |

Network Access | Cloud: Mongo

cloud.mongodb.com/v2/61ee673c230131246b5702aa#security/network/accessList

Apps cp learn lab

Other bookmarks Reading list

shreys

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We are deploying your changes (current action: configuring MongoDB)

SHREYS > TODOLIST

Network Access

IP Access List

Peering

Private Endpoint

+ ADD IP ADDRESS

You will only be able to connect to your cluster from the following list of IP Addresses:

IP Address	Comment	Status	Actions
0.0.0.0/0 (includes your current IP address)		Pending	EDITDELETE

System Status: All Good

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Database Deployments | Cloud

cloud.mongodb.com/v2/61ee673c230131246b5702aa#clusters/connect?clusterId=Cluster0

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Database Deploy

Find a database deployment

Cluster0

Connect

R 0

W 0

Last 11 minutes

100.0/s

VERSION REGION

4.4.11 AWS / N. Virg

System Status: All Good

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Connect to Cluster0


Setup connection security


Choose a connection method


Connect

Choose a connection method [View documentation](#)

Get your pre-formatted connection string by selecting your tool below.

 **Connect with the MongoDB Shell**
Interact with your cluster using MongoDB's interactive Javascript interface

 **Connect your application**
Connect your application to your cluster using MongoDB's native drivers

 **Connect using MongoDB Compass**
Explore, modify, and visualize your data with MongoDB's GUI

Go Back

Close

+ Create

FREE SHARED

Enhance Your Experience

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Upgrade

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Database Deployments | Cloud

cloud.mongodb.com/v2/61ee673c230131246b5702aa#clusters/connect?clusterId=Cluster0

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Database Deploy

Find a database deployment

Cluster0

Connected

R 0

W 0

Last 12 minutes

100.0/s

VERSION	REGION
4.4.11	AWS / N. Virg

System Status: All Good

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+

Create

FREE SHARED

Enhance Your Experience

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

Connect to Cluster0

✓ Setup connection security

✓ Choose a connection method

Connect

I do not have the MongoDB Shell installed

I have the MongoDB Shell installed

1 Select your mongo shell version

4.4

(To check your shell version, run `mongosh --version` or `mongo --version`)

2 Run your connection string in your command line

Use this connection string in your application:

mongo "mongodb+srv://cluster0.tmyb7.mongodb.net/myFirstDatabase" --username admin-shreya

Replace **myFirstDatabase** with the name of the database that connections will use by default. You will be prompted for the password for the Database User, **admin-shreya**. When entering your password, make sure all special characters are [URL encoded](#).

Having trouble connecting? [View our troubleshooting documentation](#)

Go Back

Close

Windows Command Processor - mongo "mongodb+srv://cluster0.tmyb7.mongodb.net/myFirstDatabase" --username admin-shreya

Enter password:
connecting to: mongodb://cluster0-shard-00-00.tmyb7.mongodb.net:27017,cluster0-shard-00-01.tmyb7.mongodb.net:27017,cluster0-shard-00-02.tmyb7.mongodb.net:27017/myFirstDatabase?authSource=admin&compressors=disabled&gssapiServiceName=mongodb&replicaSet=atlas-7d1l6j-shard-0&ssl=true
Implicit session: session { "id" : UUID("737eb7ba-f198-450d-b466-d5e2bd4c9f7f") }
MongoDB server version: 4.4.11
WARNING: shell and server versions do not match
=====

Warning: the "mongo" shell has been superseded by "mongosh",
which delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be removed in
an upcoming release.
For installation instructions, see
<https://docs.mongodb.com/mongodb-shell/install/>
=====

Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
<https://docs.mongodb.com/>
Questions? Try the MongoDB Developer Community Forums
<https://community.mongodb.com>
MongoDB Enterprise atlas-7d1l6j-shard-0:PRIMARY>

Use this connection string in your application:

mongo "mongodb+srv://cluster0.tmyb7.mongodb.net/myFirstDatabase" --username admin-shreya

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Having trouble connecting? [View our troubleshooting documentation](#)

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Shreya

+ Create

FREE

SHARED

Enhance Your Experience

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

System Status: All Good

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cloud.mongodb.com/v2/61ee673c230131246b5702aa#clusters/connect?clusterId=Cluster0

Apps cp learn lab

Other bookmarks Reading list

shreys

Access Manager

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SHREYS > TODOLIST

Database Deploy

Find a database deployment

Cluster0

Connect

R 0

W 0

Last 16 minutes

100.0/s

VERSION REGION

4.4.11 AWS / N. Virg

System Status: All Good

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Connect to Cluster0


Setup connection security


Choose a connection method


Connect

Choose a connection method [View documentation](#)

Get your pre-formatted connection string by selecting your tool below.

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Connect your application to your cluster using MongoDB's native drivers

 **Connect using MongoDB Compass**
Explore, modify, and visualize your data with MongoDB's GUI

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+ Create

FREE SHARED

Enhance Your Experience

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

FileEditSelectionViewGoRunTerminalHelp

app.js - todolist - Visual Studio Code

JS app.jsM X< footer.ejs< index.html< list.ejs# styles.css

JS app.js > ...
1 //jshint esversion:6
2
3 const express = require("express");
4 const bodyParser = require("body-parser");
5 const date = require(__dirname + "/date.js");
6 const _ = require("lodash");
7
8 //requiring our mongoose module for our db
9 const mongoose = require("mongoose");
10
11 //creating our express app
12 const app = express();
13
14 //ejs view engine
15 app.set('view engine', 'ejs');
16
17 //body parser code
18 app.use(bodyParser.urlencoded({ extended: true }));
19
20 //keeping static files in public
21 app.use(express.static("public"));
22
23 //mongodb connection on aws cloud
24 mongoose.connect("mongodb+srv://admin-shreya:test123@cluster0.tmyb7.mongodb.net/todolistDb", { useNewUrlParser: true });
25
26 //mongoose schema for items
27 const itemsSchema = ({
28 | name: String
29 | });
30
31 //mongoose model
32 const modelItem = mongoose.model("Item", itemsSchema);

EXPLOREROPEN EDITORSTODOLIST
> node_modules
> public
v views
 < about.ejs
 < footer.ejs
 < header.ejs
 < list.ejs
JS app.jsM
JS date.js
 < index.html
 {} package-lock.json
 {} package.json
 todolist overvie... U

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\shre9\todolist>

Ln 23, Col 1 (154 selected)Spaces: 4UTF-8LFJavaScriptGo LivePrettier

Left sidebar menu:

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SHREYS > TODOLIST > DATABASES

Cluster0

VERSION 4.4.11 REGION AWS N. Virginia (us-east-1)

Overview Metrics Collections Search Cmd Line Tools Real Time Profiler Performance Advisor Online Archive

DATABASES: 1 COLLECTIONS: 2

VISUALIZE YOUR DATA REFRESH

+ Create Database

NAMESPACES

- todolistDb
 - items
 - lists

todolistDb.items

COLLECTION SIZE: 216B TOTAL DOCUMENTS: 3 INDEXES TOTAL SIZE: 20KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

INSERT DOCUMENT

FILTER { field: 'value' } OPTIONS Apply Reset

QUERY RESULTS 1-3 OF 3

```
{
  "_id": ObjectId("61ee6f9c71614525c34d1011"),
  "name": "welcome to your todolist.",
  "__v": 0
}
```

```
{
  "_id": ObjectId("61ee6f9c71614525c34d1012"),
  "name": "hit the + button top add new item.",
  "__v": 0
}
```

Getting Started on Heroku with Node.js

English — [日本語に切り替える](#)

Introduction

Set up

Prepare the app

Deploy the app

View logs

Define a Procfile

Scale the app

Declare app dependencies

Run the app locally

Push local changes

Provision add-ons

Start a console

Define config vars

Provision a database

Next steps

Prepare the app

In this step, you will prepare a sample application that's ready to be deployed to Heroku.

! If you are new to Heroku, it is recommended that you complete this tutorial using the Heroku-provided sample application.

However, if you have your own existing application that you want to deploy instead, see [this article](#) to learn how to prepare it for Heroku deployment.

To clone a local version of the sample application that you can then deploy to Heroku, execute the following commands in your local command shell or terminal:

```
$ git clone https://github.com/heroku/node-js-getting-started.git
$ cd node-js-getting-started
```

You now have a functioning Git repository that contains a simple application as well as a `package.json` file, which is used by Node's dependency manager.

[Report a problem](#)

[I cloned the app source code](#)