

16.6 Install MongoDB Compass

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| TOOLS

Compass. The GUI for MongoDB.

Compass is a free interactive tool for querying, optimizing, and analyzing your MongoDB data. Get key insights, drag and drop to build pipelines, and more.

[Download Now](#)[Read the docs →](#)

16.6 Install MongoDB Compass

Learn more

Version

1.44.6 (Stable)



Platform

Windows 64-bit (10+)



Package

exe



Download

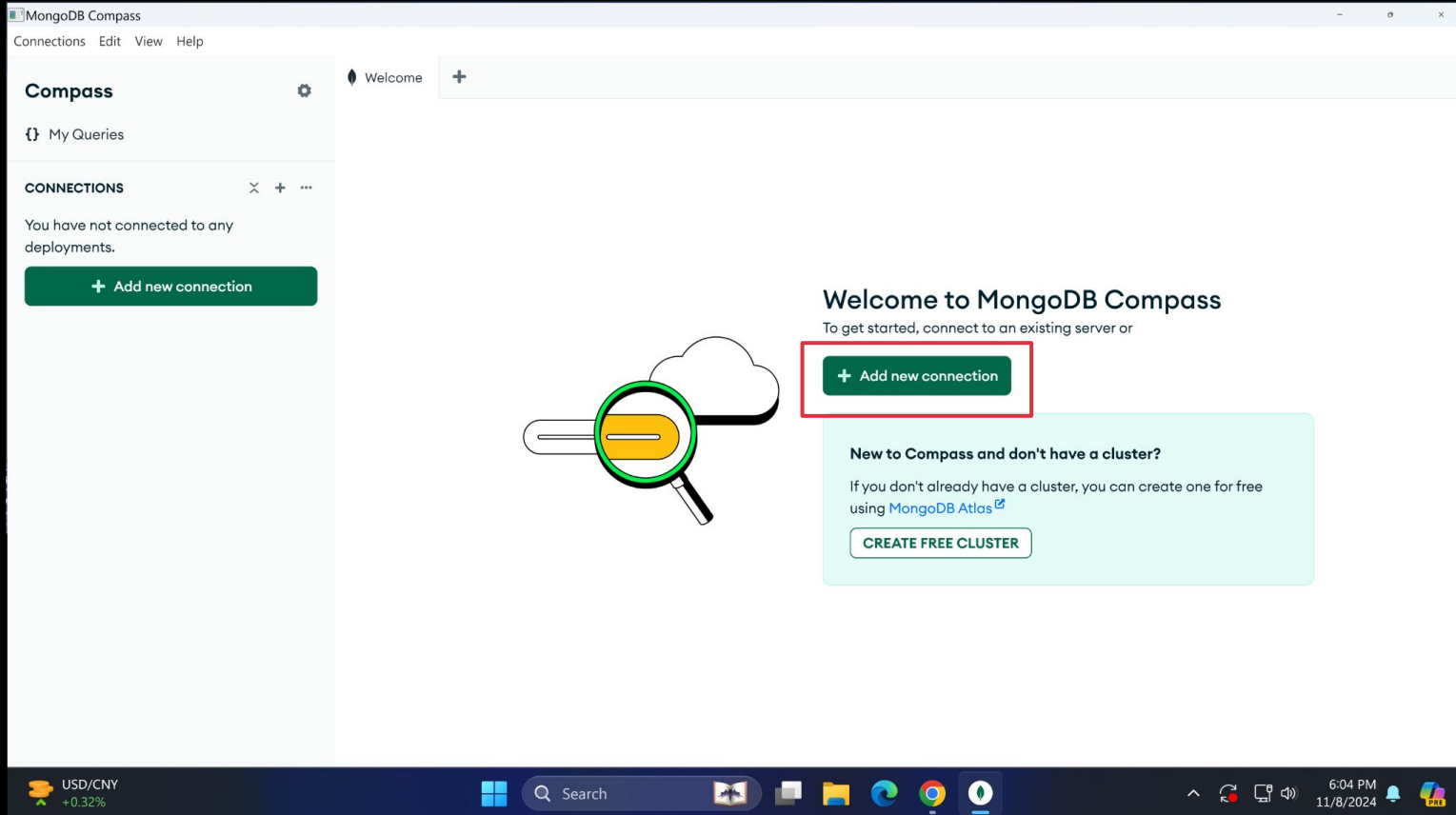


Copy link

More Options



16.6 Install MongoDB Compass



16.6 Install MongoDB Compass

New Connection

Manage your connection settings

URI ⓘ

Edit Connection String ☒

mongodb+srv://root:*****@kgcluster.ie6mb.mongodb.net/

Name

kgcluster.ie6mb.mongodb.net

Color

Orange ▼



Favorite this connection

Favoriting a connection will pin it to the top of your list of connections

Advanced Connection Options

How do I find my connection string in Atlas?

If you have an Atlas cluster, go to the Cluster view. Click the 'Connect' button for the cluster to which you wish to connect.

[See example](#) 

How do I format my connection string?

[See example](#) 

Cancel

Save

Save & Connect

16.6 Install MongoDB Compass

The screenshot displays the MongoDB Compass web interface. On the left, the 'CONNECTIONS (1)' sidebar shows a connection to 'kgcluster.ie6mb.mongodb.net' with several databases listed: 'admin', 'airbnb' (selected), 'homes', 'config', 'local', and 'sample_mflix'. The main panel shows the 'airbnb' database selected, with the 'homes' collection highlighted. The collection details are as follows:

Storage size:	Documents:	Avg. document size:	Indexes:	Total index size:
20.48 kB	1	159.00 B	1	20.48 kB

At the top of the main panel, there are buttons for 'Open MongoDB shell', 'Create collection', and 'Refresh'. The 'Sort by' dropdown is set to 'Collection Name'.

16.6 Install MongoDB Compass

The screenshot displays the MongoDB Compass web interface. At the top, there's a navigation bar with 'Welcome', a folder icon labeled 'homes', and a plus sign. Below this, the breadcrumb path 'kgcluster.ie6mb.mongodb.net > airbnb > homes' is shown, along with a button to 'Open MongoDB shell'. The main interface has tabs for 'Documents' (selected), 'Aggregations', 'Schema', 'Indexes' (with a count of 1), and 'Validation'. A query input field contains the text 'Type a query: { field: 'value' } or [Generate query](#)'. To the right of the query field are buttons for 'Explain', 'Reset', 'Find', and a code editor icon, followed by an 'Options' link. Below the query field is a row of action buttons: 'ADD DATA', 'EXPORT DATA', 'UPDATE', and 'DELETE'. On the right side of this row are pagination controls showing '25' items per page, '1 - 1 of 1' total items, and navigation arrows. The main content area displays a single document in JSON format:


```
{
  "_id": ObjectId('672df86c3d20696a2b523c79'),
  "name": "Utsav",
  "description": "the best house",
  "price": "1999",
  "location": "ghaziabad",
  "rating": "4.5",
  "imageUrl": "/images/house1.png"
}
```

16.7 Install MongoDB for VSCode


mongodb

MARKETPLACE


39




MongoDB for VS ... 1.9M ★ 4.5
Connect to MongoDB and Atlas ...
mongodb **Install**




ES7 JavaScript/Node... 87K ★ 5
Simple extension for Node, javas...
abrahamwilliam007 **Install**




Auto MongoDB 23K ★ 3
One click to run MongoDB witho...
AllenLawrence **Install**




Azure Databases 1.9M ★ 3
Create, browse, and update glob...
ms-azuretools **Install**




Mongodb-dly 7K ★ 5
It is a quickly administrator of m...
devlikeyou **Install**




MongoDB ID Generat... 4K ★ 5
Generates MongoDB IDs
JonathanLewis **Install**



MySQL 1.8M ★ 4
Database manager for MySQL/M...
cweiljan **Install**



Mongo Snippets f... 270K ★ 4.5
Provides snippets, boilerplate co...
roerohan **Install**



Azure Tools 1.5M ★ 3
Get web site hosting, SQL and M...




MongoDB for VS Code v1.9.3

mongodb | 1,900,000 | ★★★★★ (39)

Connect to MongoDB and Atlas directly from your VS Code environment, navigate your databases...

Install

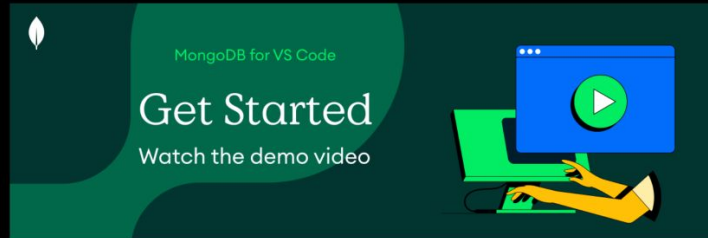
☒ Auto Update 

DETAILS FEATURES

MongoDB for VS Code

Test and Build **passing**

MongoDB for VS Code makes it easy to work with your data in MongoDB directly from your VS Code environment. MongoDB for VS Code is the perfect companion for [MongoDB Atlas](#), but you can also use it with your self-managed MongoDB instances.



Features

Navigate your MongoDB Data

Categories

Programming Languages

Snippets

Data Science

AI

Chat

Resources

Marketplace

Issues

Repository

License

mongodb

More Info

Published 2020-05-12,
01:46:46

Last
released 2024-10-24,
18:53:28

Identifier mongodb.mongodb-
vscode

16.7 Install MongoDB for VSCode



Navigate your databases and collections, use playgrounds for exploring and transforming your data



Resources

● Not connected.

Connect with
Connection String

Connect

Advanced
Connection Settings

Open form

Cmd + Shift + P for all MongoDB Command Palette options



New to MongoDB and don't have a cluster?
Create one for free using [MongoDB Atlas](#).

Create free cluster

16.7 Install MongoDB for VSCode



Navigate your databases and collections, use playgrounds for exploring and transforming your data



Resources

Connected to: [kgcluster.ie6mb.mongodb.net](#) ✎

All set. Ready to start?

Create a playground. ⓘ

Create playground

Connect with
Connection String

Connect

Advanced
Connection Settings

Open form

Cmd + Shift + P for all MongoDB Command Palette options



New to MongoDB and don't have a cluster?

Create one for free using [MongoDB Atlas](#).

Create free cluster

16.7 Install MongoDB for VSCode

Currently connected to kgcluster.ie6mb.mongodb.net. Click here to change connection.

```
1  /* global use, db */
2  // MongoDB Playground
3  // To disable this template go to Settings | MongoDB | Use Default Template For Playground.
4  // Make sure you are connected to enable completions and to be able to run a playground.
5  // Use Ctrl+Space inside a snippet or a string literal to trigger completions.
6  // The result of the last command run in a playground is shown on the results panel.
7  // By default the first 20 documents will be returned with a cursor.
8  // Use 'console.log()' to print to the debug output.
9  // For more documentation on playgrounds please refer to
10 // https://www.mongodb.com/docs/mongodb-vscode/playgrounds/
11
12 // Select the database to use.
13 use('airbnb');
14
15 // Get all documents from homes collection
16 const homes = db.getCollection('homes').find({}).toArray();
17
18 // Print the results
19 console.log('All homes in collection:');
20 console.log(JSON.stringify(homes, null, 2));
21
22 // Print total count
23 const totalHomes = db.getCollection('homes').countDocuments();
24 console.log(`Total number of homes: ${totalHomes}`);
```

16.7 Install MongoDB for VSCode

Currently connected to kgcluster.ie6mb.mongodb.net. Click here to change connection.

```
1  /* global use, db */
2  // MongoDB Playground
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16 const homes = db.getCollection('homes').find({}).toArray();
17
18 // Print the results
19 console.log('All homes in collection:');
20 console.log(JSON.stringify(homes, null, 2));
21
22 // Print total count
23 const totalHomes = db.getCollection('homes').countDocuments();
24 console.log(`Total number of homes: ${totalHomes}`);
```

All homes in collection:

```
[
  {
    "_id": "672df86c3d20696a2b523c79",
    "name": "Utsav",
    "description": "the best house",
    "price": "1999",
    "location": "ghaziabad",
    "rating": "4.5",
    "imageUrl": "/images/house1.png"
  }
]
Total number of homes: 1
```

16.8 Fetching all Homes

```
static fetchAll() {  
  const db = getDb();  
  return db.collection("homes")  
    .find()  
    .toArray()  
    .then((homes) => {  
      console.log(homes);  
      return homes;  
    }).catch((err) => {  
      console.log(err);  
    });  
}
```

1. **Basic Usage:** `collection.find(query)` retrieves documents matching the query criteria.
2. **Returns a Cursor:** The method returns a cursor, an iterator over the result set.

16.8 Fetching all Homes

```
exports.getHomes = (req, res, next) => {  
  Home.fetchAll()  
    .then(rows => {  
      res.render("store/home-list", {  
        registeredHomes: rows,  
        pageTitle: "Homes List",  
        currentPage: "Home",  
      });  
    })  
    .catch((error) => {  
      console.log("Error Fetching Homes", error);  
    });  
};
```

Welcome to airbnb index page:



Utsav

ghaziabad

Rs1999 / night

★ 4.5

Book

16.9 Fetching one Home

```
static findById(homeId) {  
  const db = getDb();  
  return db.collection("homes")  
    .find({ _id: homeId })  
    .next()  
    .then((home) => {  
      console.log(home);  
      return home;  
    }).catch((err) => {  
      console.log(err);  
    });  
}
```

```
exports.getHome = (req, res, next) => {  
  const homeId = req.params.homeId;  
  Home.findById(homeId).then(home => {  
    if (!home) {  
      return res.redirect("/homes");  
    }  
    res.render("store/home-detail", {  
      home: home,  
      pageTitle: home.name,  
      currentPage: "homes",  
    });  
  }).catch((error) => {  
    console.log("Error Fetching Home", error);  
  });  
};
```

16.9 Fetching one Home

SEARCH

home.id

home._id

files to include

files to exclude

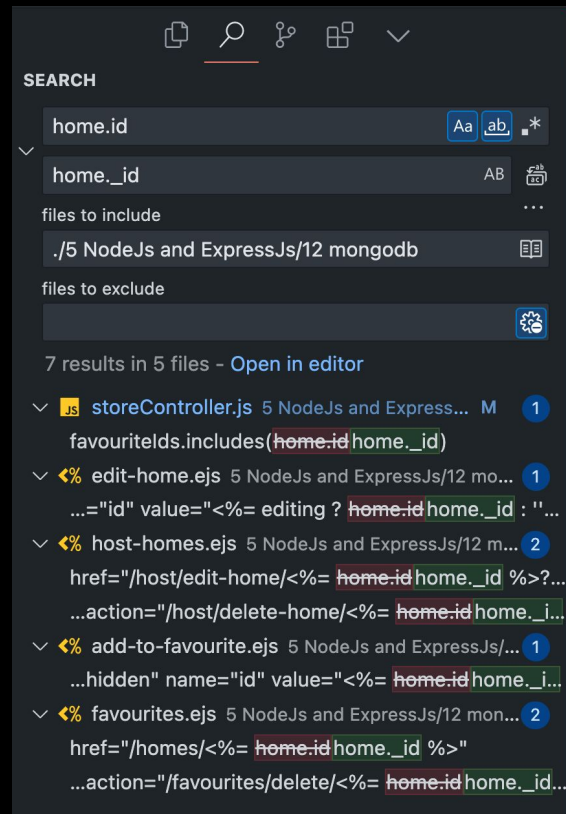
9 results in 7 files - [Open in editor](#)

- `hostController.js` Test Project/node/Chapter 13 - MVC/controllers M 1
`home.id home._id = id;`
- `storeController.js` Test Project/node/Chapter 13 - MVC/controllers M 1
`registeredHomes.find((home) => home.id home._id === homeld)`
- `edit-home.ejs` Test Project/node/Chapter 13 - MVC/views/host 1
`...name="id" value="<%= home ? home.id home._id : ' %>">`
- `host-home-list.ejs` Test Project/node/Chapter 13 - MVC/views/host M 2
`...href="/host/edit-home/<%= home.id home._id %>?editing=true" class="bg...`
`...action="/host/delete-home/<%= home.id home._id %>" method="POST" cl...`
- `favourite.ejs` Test Project/node/Chapter 13 - MVC/views/partials 1
`..." name="homeld" value="<%= home.id home._id %>">`
- `favourite-list.ejs` Test Project/node/Chapter 13 - MVC/views/store 2
`<a href="/homes/<%= home.id home._id %>" class="flex-1 bg-white text-re...`
`...action="/favourites/delete/<%= home.id home._id %>" method="POST">`
- `home-list.ejs` Test Project/node/Chapter 13 - MVC/views/store 1
`<a href="/homes/<%= home.id home._id %>" class="flex-1 bg-white text-re...`

```
[  
  {  
    _id: new ObjectId('672df86c3d20696a2b523c79'),  
    name: 'Utsav',  
    description: 'the best house',  
    price: '1999',  
    location: 'ghaziabad',  
    rating: '4.5',  
    imageUrl: '/images/house1.png'  
  }  
]
```

16.9 Fetching one Home

```
static findById(homeId) {  
  const db = getDb();  
  return db.collection("homes")  
    .find({ _id: new ObjectId(String(homeId)) })  
    .next()  
    .then((home) => {  
      console.log(home);  
      return home;  
    }).catch((err) => {  
      console.log(err);  
    });  
}
```



16.9 Fetching one Home

Details of Utsav



Description

the best house

Location

ghaziabad

Price

\$1999 / night

Rating

★ 4.5 / 5

Add to Favorites

16.10 Supporting Edit & Delete

```
save() {
  const db = getDb();
  if (this.id) {
    // Update existing home
    return db
      .collection("homes")
      .updateOne(
        { _id: new ObjectId(String(this.id)) },
        { $set: this }
      );
  } else {
    // Insert new home
    return db
      .collection("homes")
      .insertOne(this)
      .then((result) => {
        console.log(result);
      });
  }
}
```

```
static deleteById(homeId) {
  const db = getDb();
  return db
    .collection("homes")
    .deleteOne({ _id: new ObjectId(String(homeId)) });
}
```

16.11 Adding MongoDB to Favourite

1. Remove all the file handling related code from Favourite Model.
2. Delete the data folder.
3. Change the following methods in Favourite model to use mongo:
 - a. fetchAll
 - b. addToFavourites
 - c. deleteById
4. Change the usages of Favourite model in StoreController to use the promise syntax
 - a. getFavourites
 - b. postAddFavourites
 - c. postRemoveFavourite

16.11 Adding MongoDB to Favourite

1.

```
module.exports = class Favourite {  
  ...  
  static fetchAll() {  
  }  
  
  static addToFavourites(homeId) {  
  }  
  
  static deleteById(removeHomeId) {  
  }  
}
```

2.

```
> controllers  
> models  
> node_modules  
> public  
> routers  
> util  
> views  
app.js  
nodemon.json  
package-lock.json  
package.json  
tailwind.config.js
```

16.11 Adding MongoDB to Favourite

3.a.

```
static fetchAll() {  
  const db = getDb();  
  return db.collection("favourites")  
    .find()  
    .toArray()  
    .then(favourites => {  
      return favourites.map(favourite => favourite.homeId.toString());  
    });  
}
```

16.11 Adding MongoDB to Favourite

3.b.

```
static addToFavourites(homeId) {  
  const db = getDb();  
  return db
```

3.c.

```
    .collection("favourites")  
    .insertOne({ homeId: new ObjectId(String(homeId)) })  
    .then(result => {  
      console.log(result);  
    });  
}  
  
static deleteById(removeHomeId) {  
  const db = getDb();  
  return db  
    .collection("favourites")  
    .deleteOne({ homeId: new ObjectId(String(removeHomeId)) });  
}
```

16.11 Adding MongoDB to Favourite

4.a.

```
exports.getFavourites = (req, res, next) => {
  Favourite.fetchAll().then((favouriteIds) => {
    Home.fetchAll().then((registeredHomes) => {
      console.log(favouriteIds);
      console.log(registeredHomes);
      const favouriteHomes = registeredHomes.filter((home) =>
        favouriteIds.includes(home._id.toString())
      );
      res.render("store/favourites", {
        homes: favouriteHomes,
        pageTitle: "Favourites",
      });
    });
  });
};
```

16.11 Adding MongoDB to Favourite

4.b.

```
exports.postAddFavourites = (req, res, next) => {  
  const homeId = req.body.id;  
  Favourite.addToFavourites(homeId)  
    .then(() => {  
      res.redirect("/favourites");  
    })  
    .catch((err) => {  
      console.log("Error while adding to favourites", err);  
    });  
};
```


16.11 Adding MongoDB to Favourite

4.c.

```
exports.postRemoveFavourite = (req, res, next) => {  
  const homeId = req.params.homeId;  
  Favourite.deleteById(homeId)  
    .then(() => {  
      res.redirect("/favourites");  
    })  
    .catch((err) => {  
      console.log("Error while remove from favourites ", err);  
    });  
};
```



Practise Milestone

Take your **airbnb** forward:

- **Change** the favourite model to fix the problem of having duplicate favourite records.





React

Practise Milestone (Solution)

```
static addToFavourites(homeId) {  
  const db = getDb();  
  return db  
    .collection("favourites")  
    .findOne({ homeId: new ObjectId(String(homeId)) })  
    .then(existingFavourite => {  
      if (!existingFavourite) {  
        return db  
          .collection("favourites")  
          .insertOne({ homeId: new ObjectId(String(homeId)) })  
          .then(result => {  
            console.log(result);  
          });  
      }  
      return Promise.resolve(); // Do nothing if already exists  
    });  
}
```

