1. Log In to MongoDB Atlas

1. Visit the MongoDB Atlas website and log in.
2. Navigate to your project and click on the **Cluster** where you want to connect your application.

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2. Create a Database User

1. Go to the **Database Access** tab in the left sidebar.
2. Click on **Add New Database User**.
3. Fill in the details:
    - **Username**: Enter a username (e.g., `vika2k`).
    - **Password**: Use the auto-generate feature or manually create a secure password (e.g., `5j4tyZQSnucMiK1h`).
        - Save this password securely.
4. **Assign Roles**:
    - Choose **Read and Write to Any Database** or a custom role like `readWrite` for your specific database (e.g., `traveldatabase`).
5. Click **Add User** to create the database user.

3. Whitelist Your IP Address

1. Go to the **Network Access** tab in the left sidebar.
2. Click on **Add IP Address**.
3. Add the IP address(es) from which you'll connect to the database:
    - **Your Local Machine**: Click **Add My Current IP Address**.
    - **EC2 Instance**: Use the public IP of your EC2 instance.
    - For universal access (not recommended for production), you can use `0.0.0.0/0`.
4. Save changes and wait for the update to complete.

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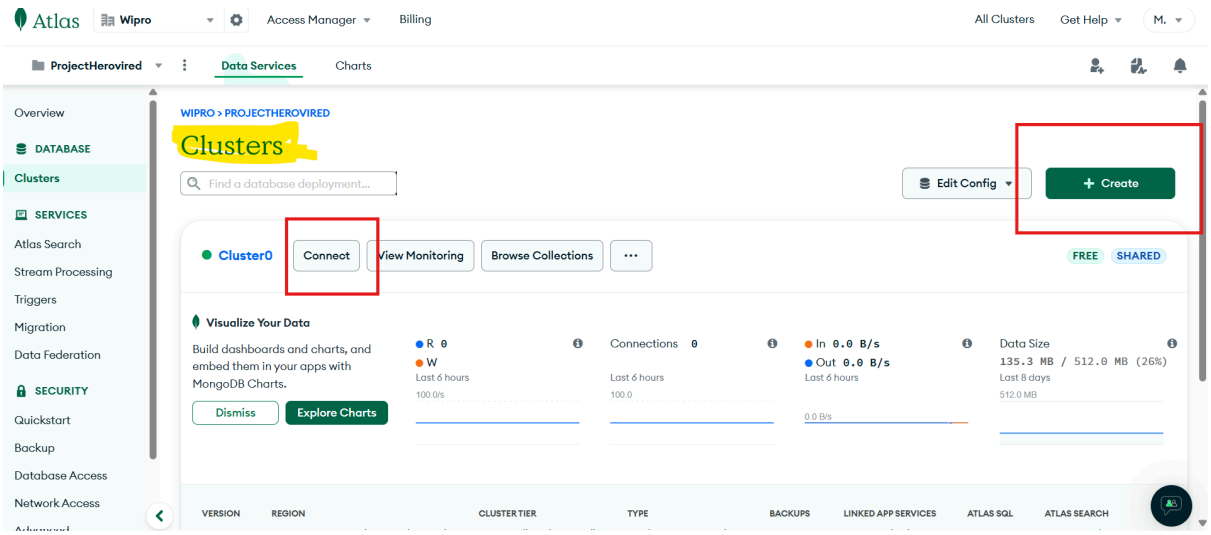
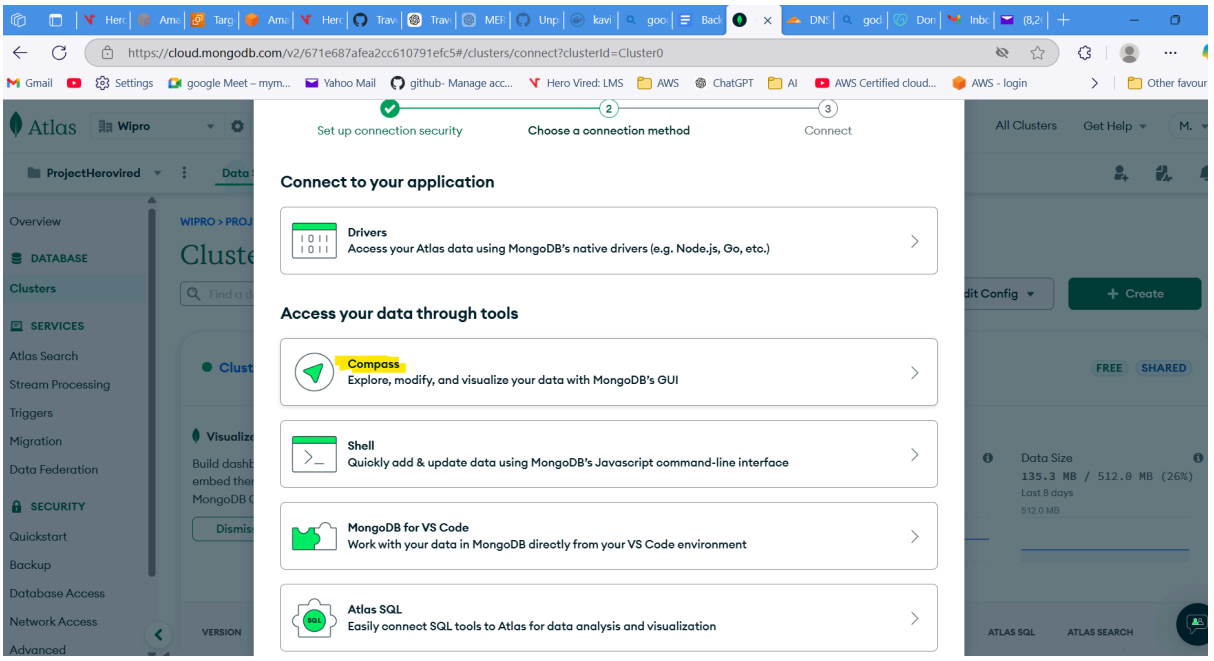
4. Obtain the Connection String

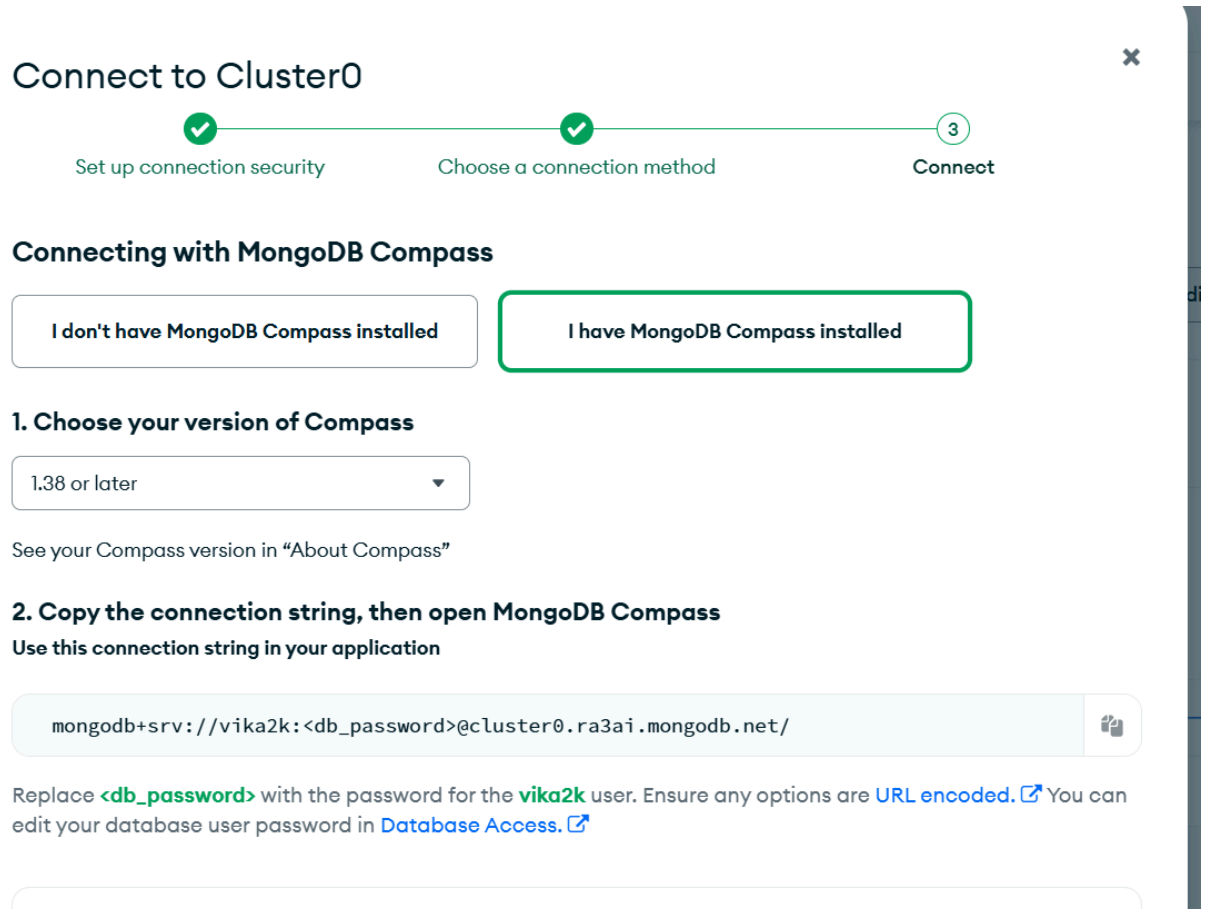
1. Go to the **Clusters** tab and click **Connect** next to your cluster.
2. Choose **Connect Your Application**.
3. Copy the connection string template:




```
mongodb+srv://<username>:<password>@cluster0.b7mwy.mongodb.net/<database>?retryWrites=true&w=majority
```



4. Replace the placeholders:
    - `<username>`: Your database username (e.g., `vika2k`).
    - `<password>`: Your database password (e.g., `5j4tyZQSnucMiK1h`).
    - `<database>`: The name of your database (e.g., `traveldatabase`).
5. Choose options as per needed and connect.



Example:

```
mongodb+srv://vika2k:5j4tyZQSnucMiK1h@cluster0.b7mwy.mongodb.net/traveldatabase?retryWrites=true&w=majority
```

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5. Use the Connection String in the Application

1. Open your `.env` file in the backend directory:

   ```
   Copy code
   nano .env
   ```

2. Add the connection string:

   ```
   MONGO_URI="mongodb+srv://vika2k:5j4tyZQSnucMiK1h@cluster0.b7mwy.mongodb.net/traveldatabase"
   PORT=3000
   ```

3. Save the file and restart your backend server:

   ```
   node index.js
   ```

Ensure your data given in frontend server are available here.