


## Setting Up Dashboard in MongoDB Charts

## Step 1: Access MongoDB Charts Dashboard

1. Go to Google Cloud Platform.
2. On the **VM Instance**, click the external IP to open the MongoDB Charts dashboard.
3. If it doesn't launch, try copying and pasting the IP into your browser's address bar.
4. Once the page loads, MongoDB Charts is ready!
5. Use the following credentials to log in (created previously):
  - **Username:** admin@example.com
  - **Password:** securepassword

← → ↺ ⚠ Not secure Paste your VM external IP here ☆ 🌱 📄 📁 📄 📄 📄

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 mongoDB. Charts

EMAIL ADDRESS

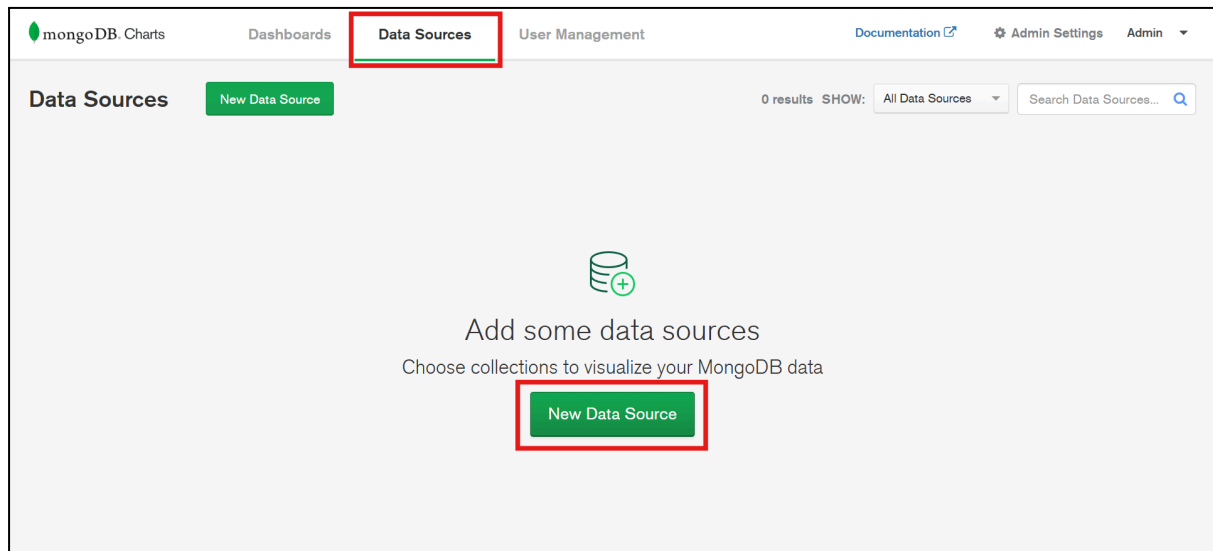
PASSWORD

Login

[Forgot Password?](#)  
[Don't have an account yet?](#)

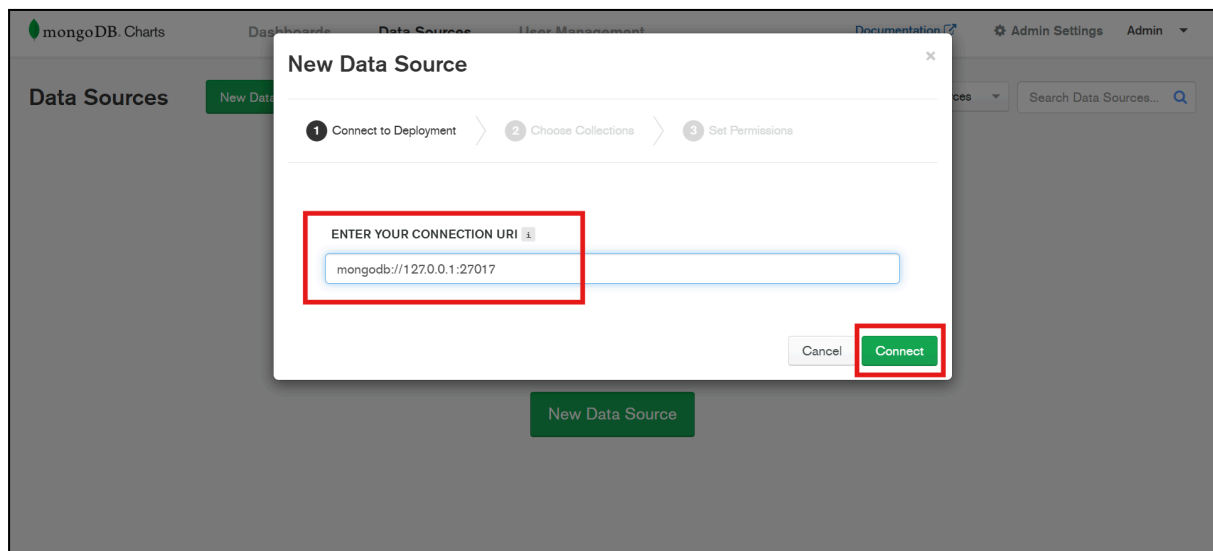
## Step 2: Choose collections to visualise your MongoDB data

1. Navigate to the **Data Sources** tab.
2. Click the *New Data Source* button.

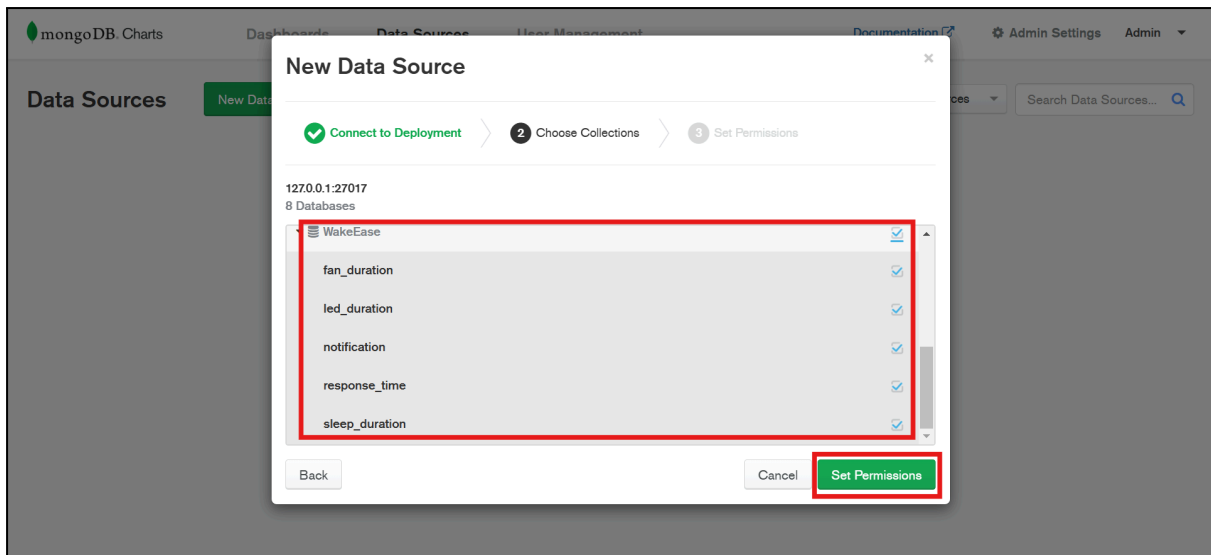


3. Enter your MongoDB connection URI then click the *Connect* button.

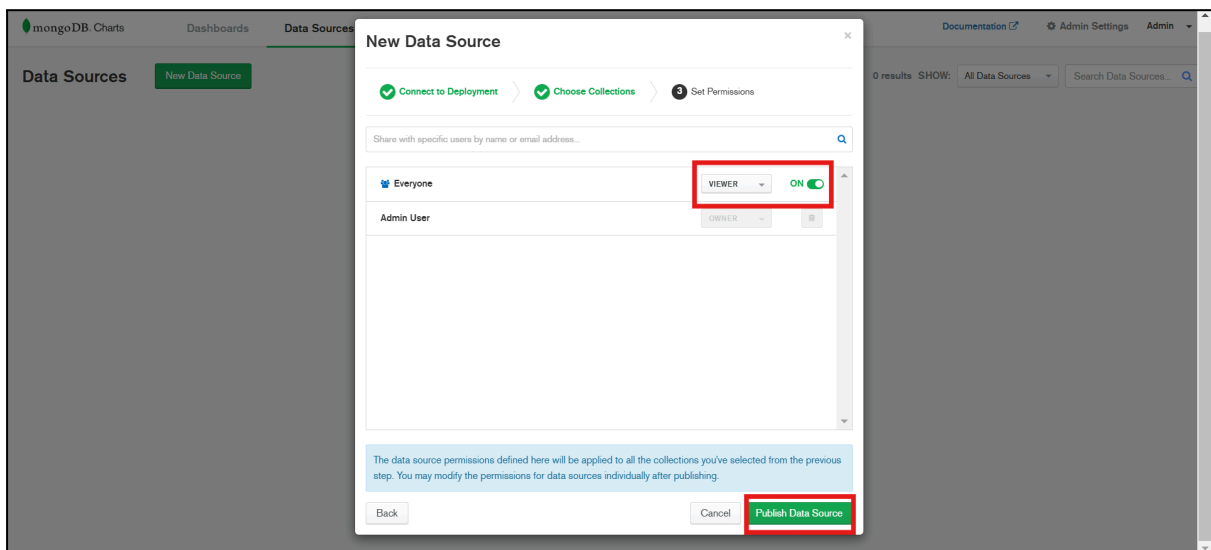
- `mongodb://127.0.0.1:27017`



4. You will be redirected to **Connect to Deployment** tab. Scroll down and search for **WakeEase** database.
5. Select all collections in the database (there are five in total).
6. Click the *Set Permissions* button.



7. In the **Choose Collections** tab, toggle ON the "**Everyone > Viewer**" permission to allow viewers to see existing charts that use this data source.
8. Click the **Publish Data Source** button.

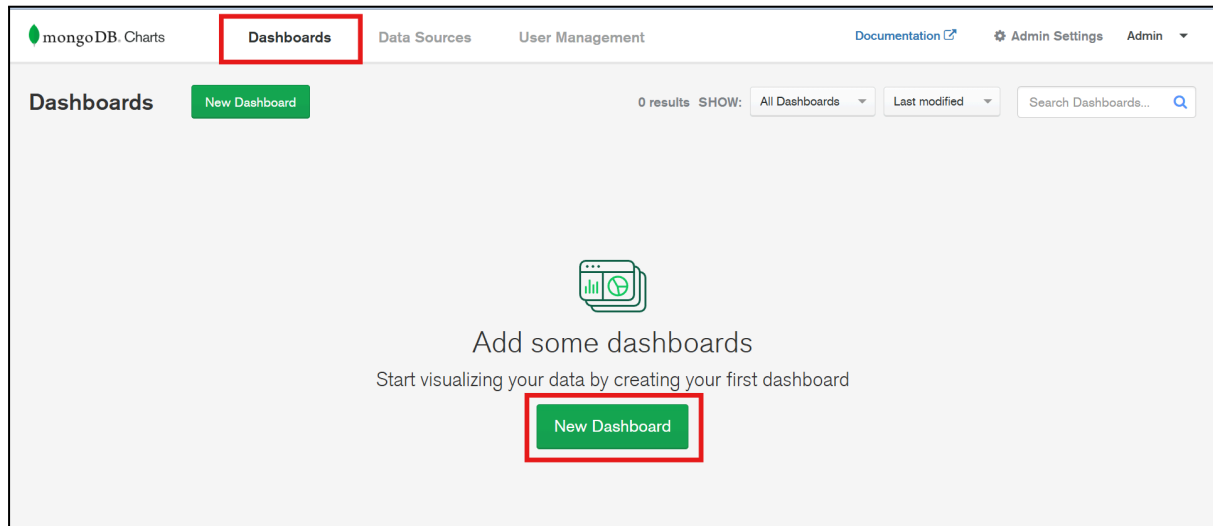


9. If successful, you will see the collections in the **WakeEase** database under the **Data Sources** tab. You can now proceed to create dashboards.

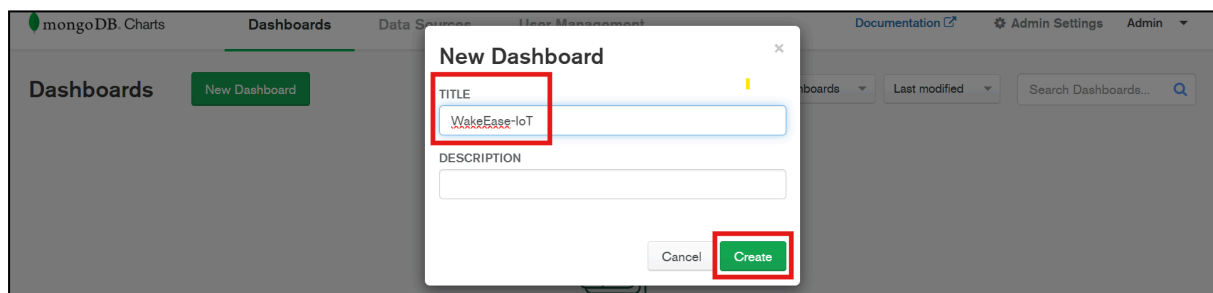
Data Sources		5 results SHOW: All Data Sources			Search Data Sources...	
Name	Collection & Deployment	Applied Aggregations	Created	Permissions		
WakeEase.notification	WakeEase.notification 127.0.0.1	ADD PIPELINE	a few seconds ago	ACCESS		
WakeEase.response_time	WakeEase.response_time 127.0.0.1	ADD PIPELINE	a few seconds ago	ACCESS		
WakeEase.sleep_duration	WakeEase.sleep_duration 127.0.0.1	ADD PIPELINE	a few seconds ago	ACCESS		
WakeEase.led_duration	WakeEase.led_duration 127.0.0.1	ADD PIPELINE	a few seconds ago	ACCESS		
WakeEase.fan_duration	WakeEase.fan_duration 127.0.0.1	ADD PIPELINE	a few seconds ago	ACCESS		

### Step 3: Create dashboard and charts to visualise your MongoDB data

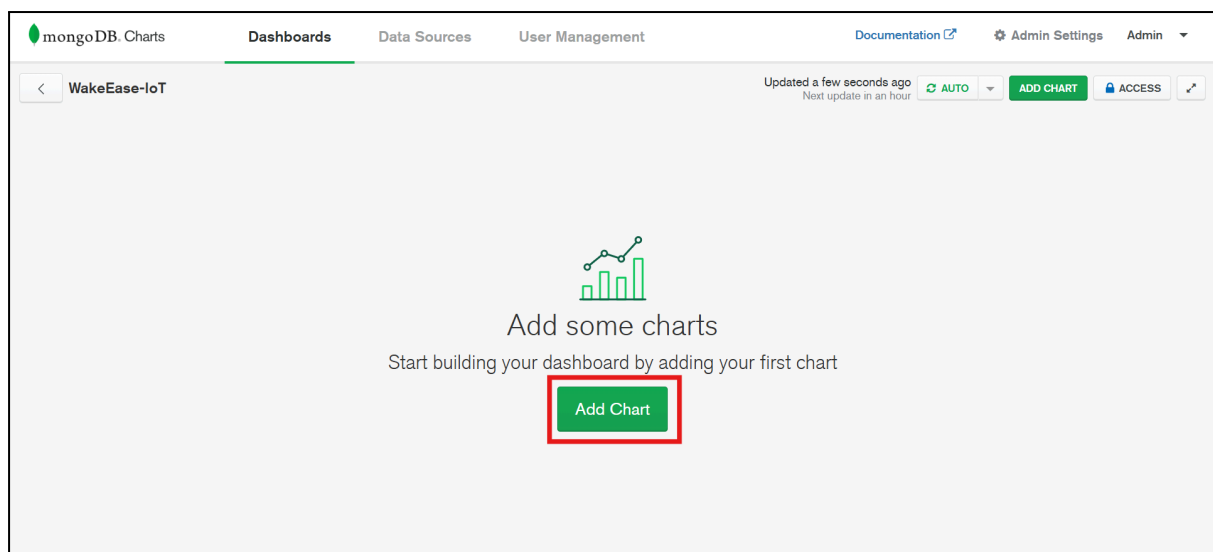
1. Navigate to the **Dashboards** tab
2. Click the *New Dashboard* button



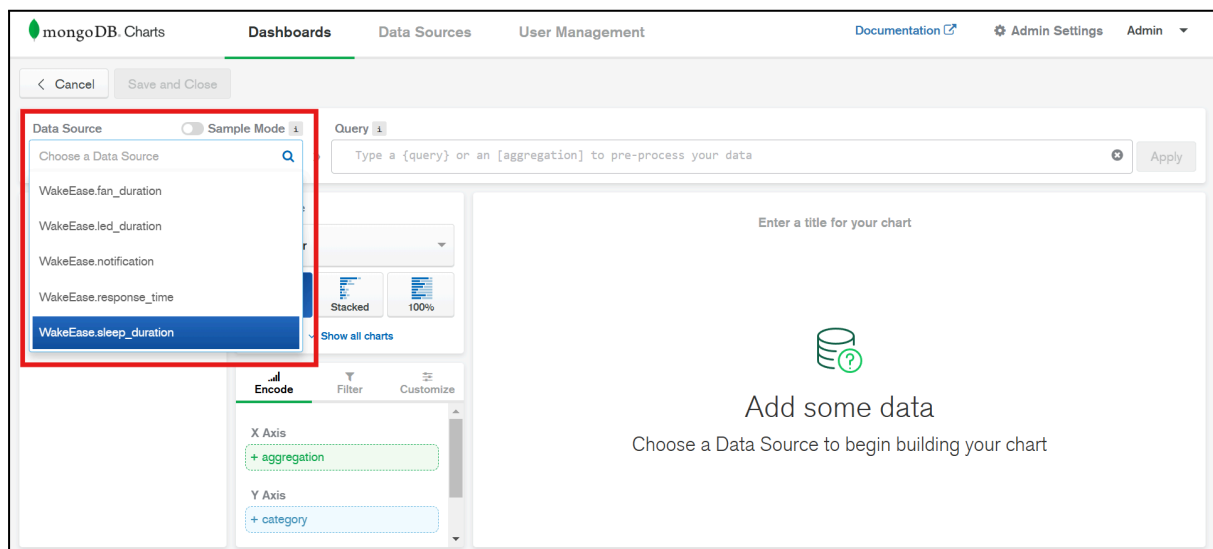
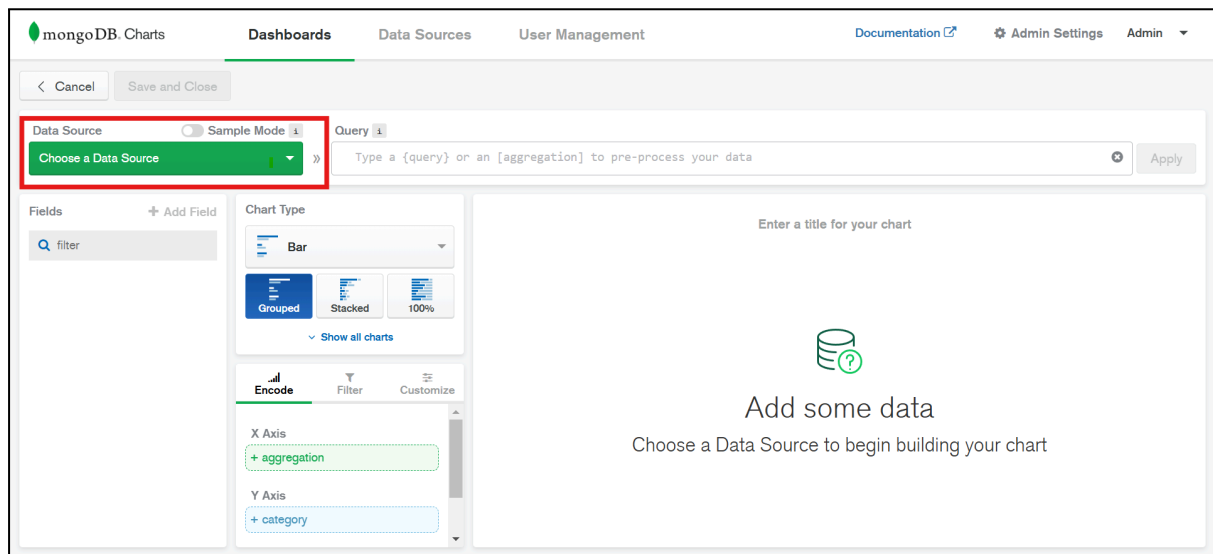
3. Enter a title for your dashboard and click the *Create* button.



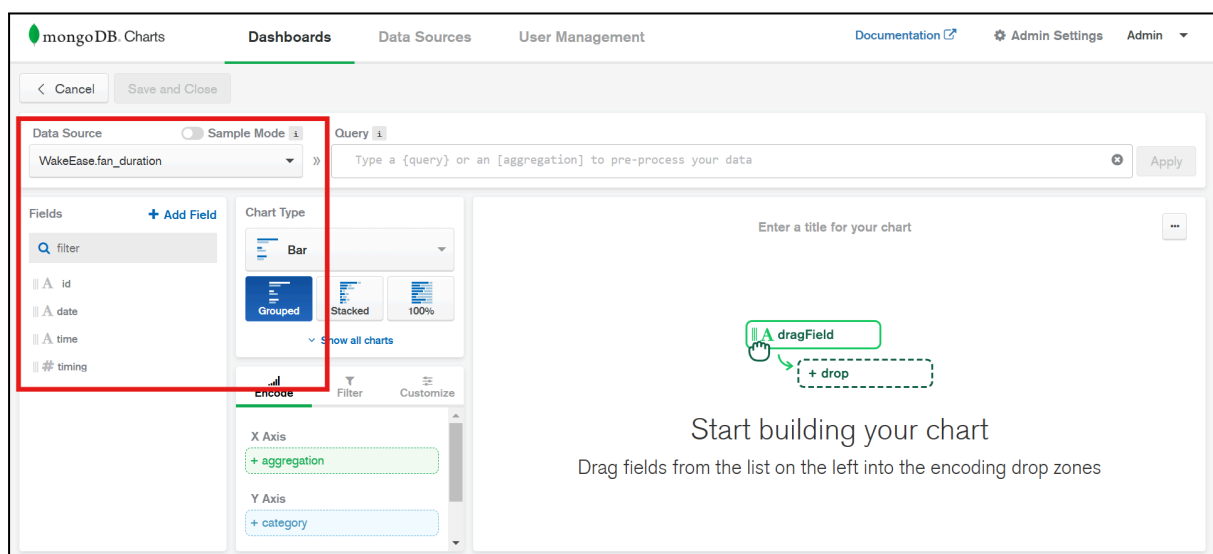
4. You will be redirected to this page. Now, click the *Add Chart* button.



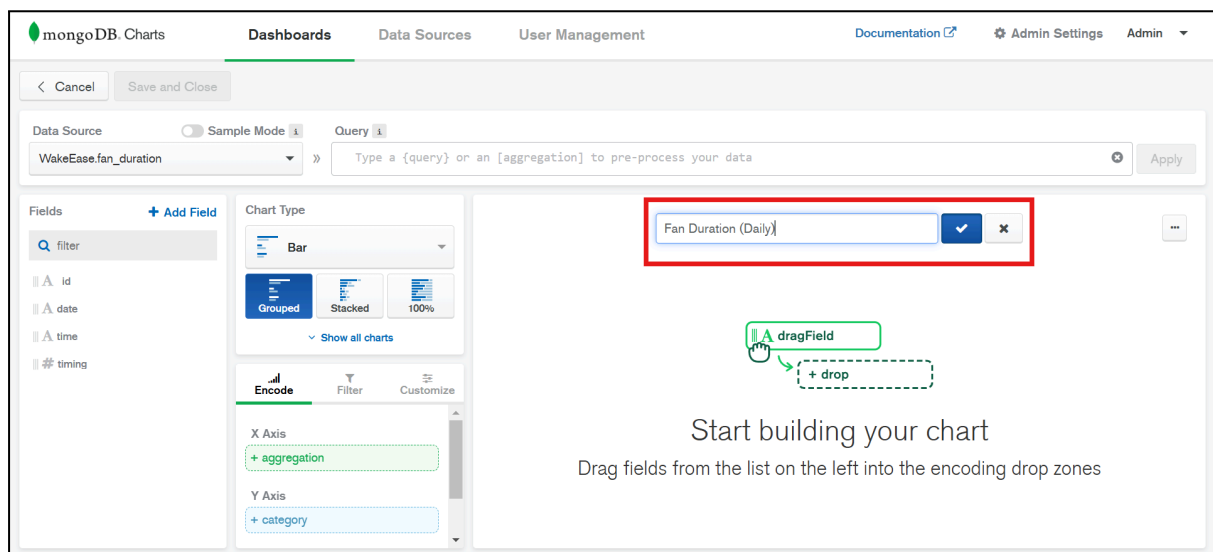
5. Click the *Choose a Data Source* button to view the list of collections.



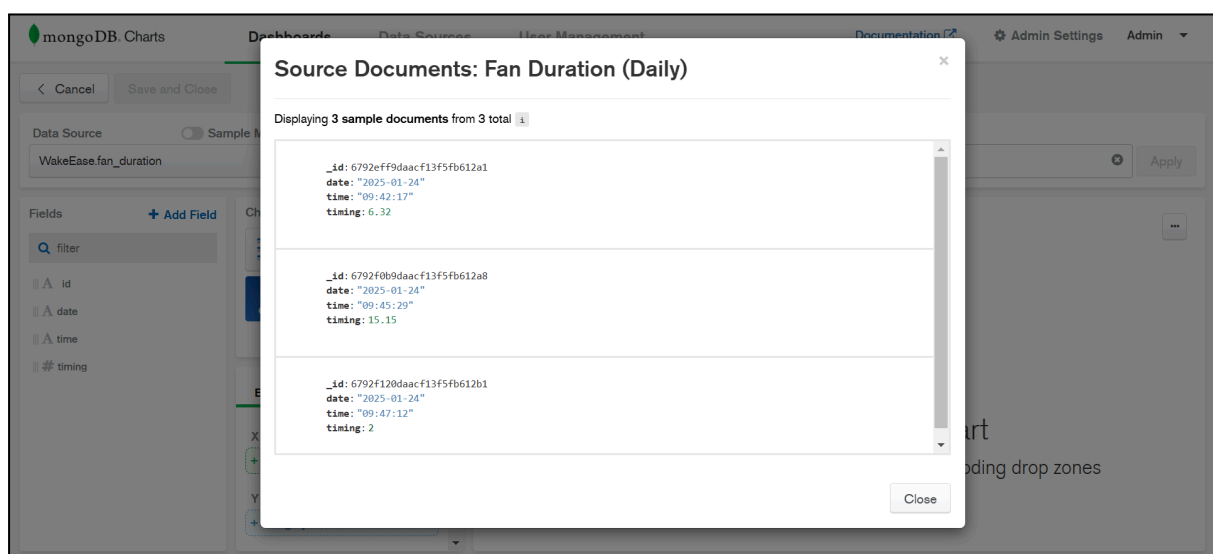
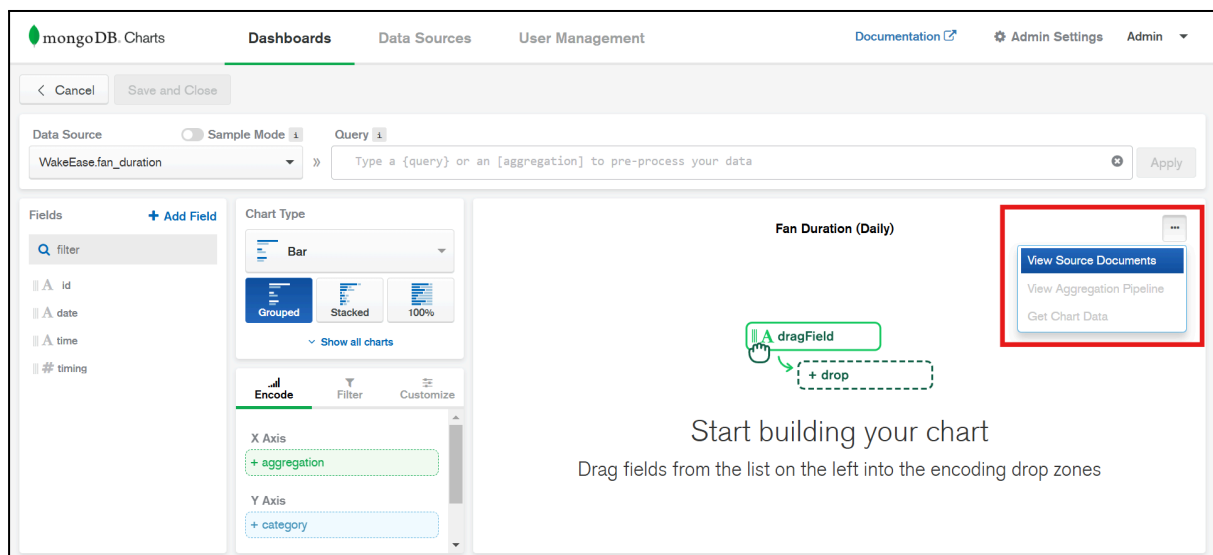
6. Select **WakeEase.fan\_duration** as the data source for your chart.



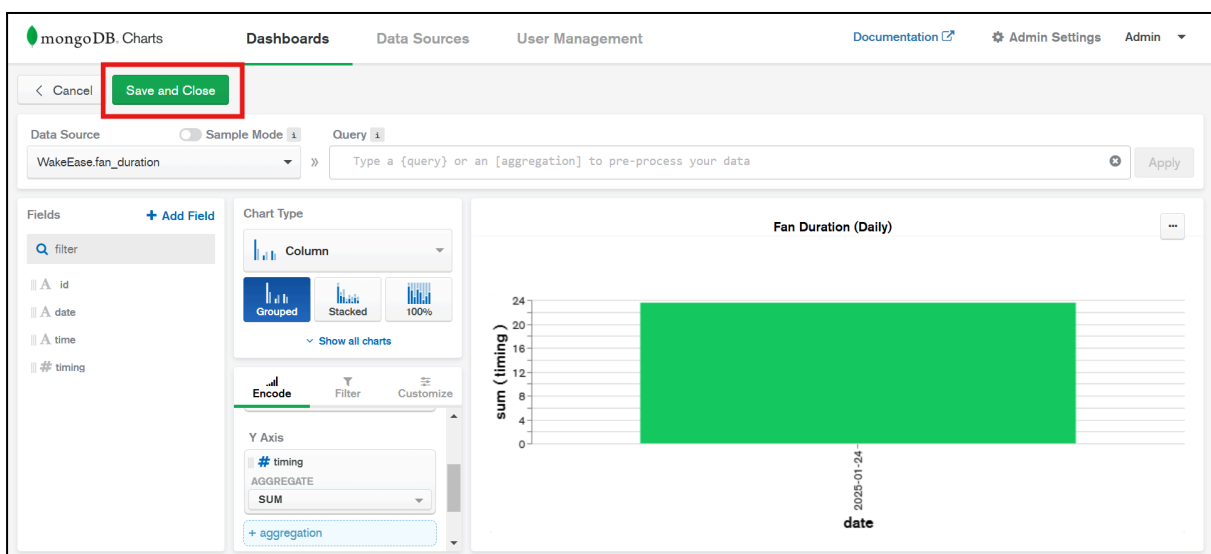
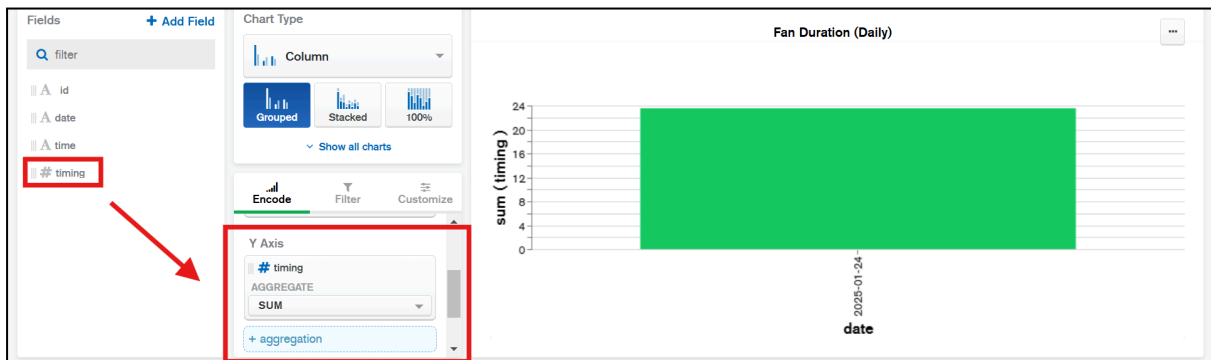
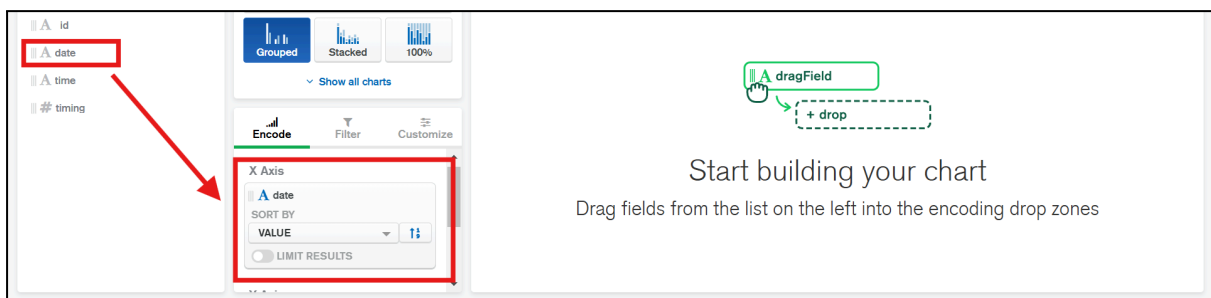
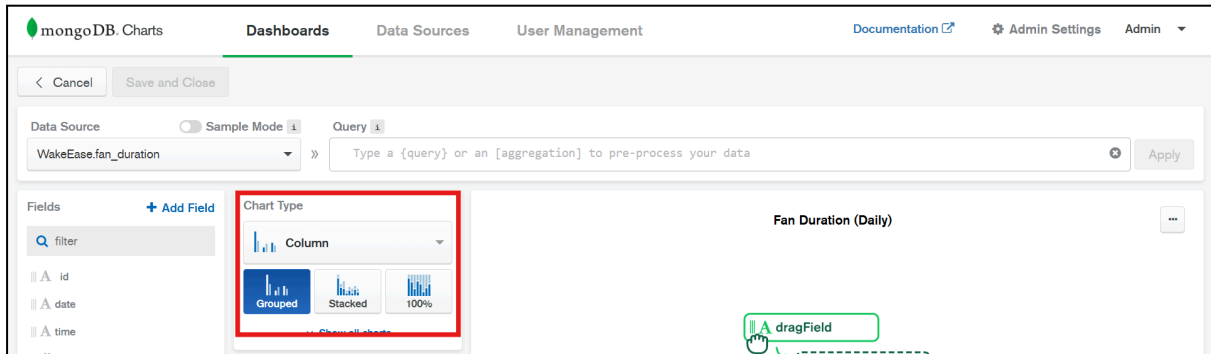
## 7. Add a title for the chart.



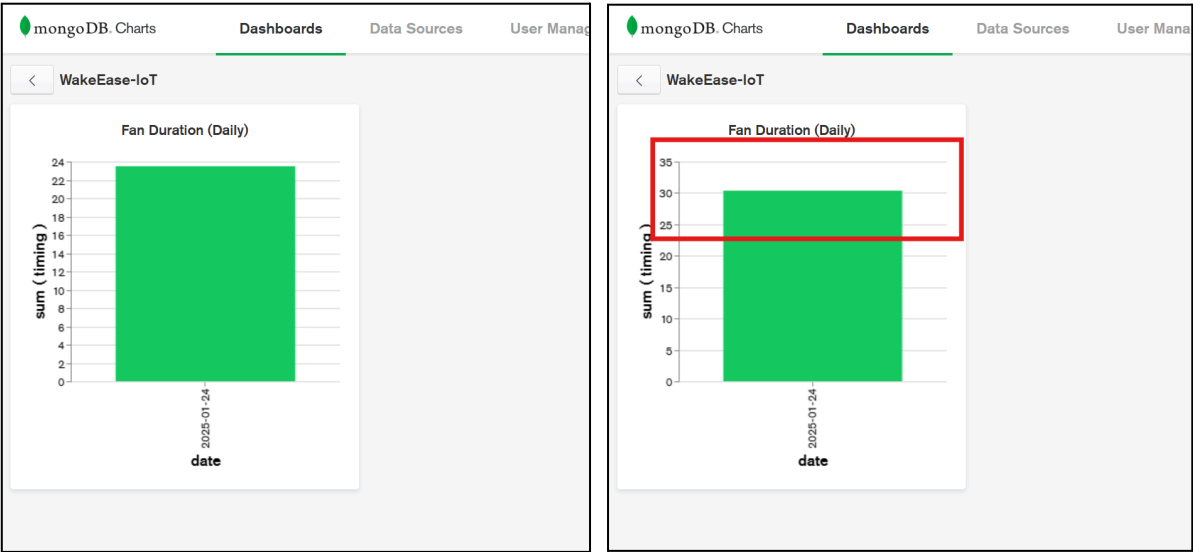
## 8. To view the source documents, click the three dots on the right side.



9. Select **"Column"** as the chart type
10. Drag and drop **"date"** to the X-axis and **"timing"** to the Y-axis.
11. Click the Save and Close button.



12. You can now view the chart in the **Dashboards** tab. The chart updates in real time. Whenever there's a new reading for fan duration from the WakeEase IoT system, the chart will reflect the changes after reloading the page.



13. Repeat Steps 6 to 10 to create charts for other collections.

