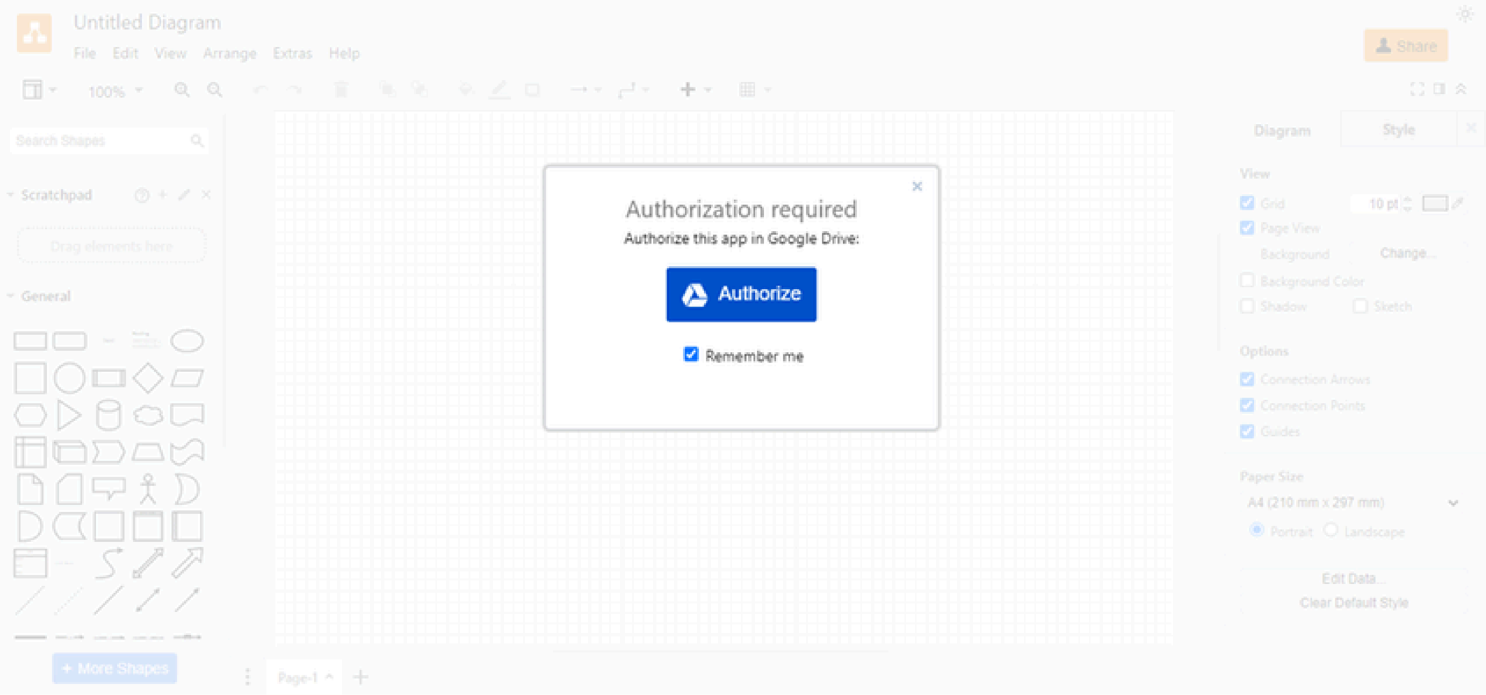
How to solve live image update in CANVAS plugin

Introduction:

In this report, we detail the process of migrating a Grafana dashboard from the deprecated Flowcharting plugin, which utilized Angular, to the new Canvas plugin in Grafana 10.4. The transition ensures the continued functionality of the client's dashboard with improved efficiency and support.

Steps

Step 1. Open draw.io and Sign up/ Sign In with your google drive account



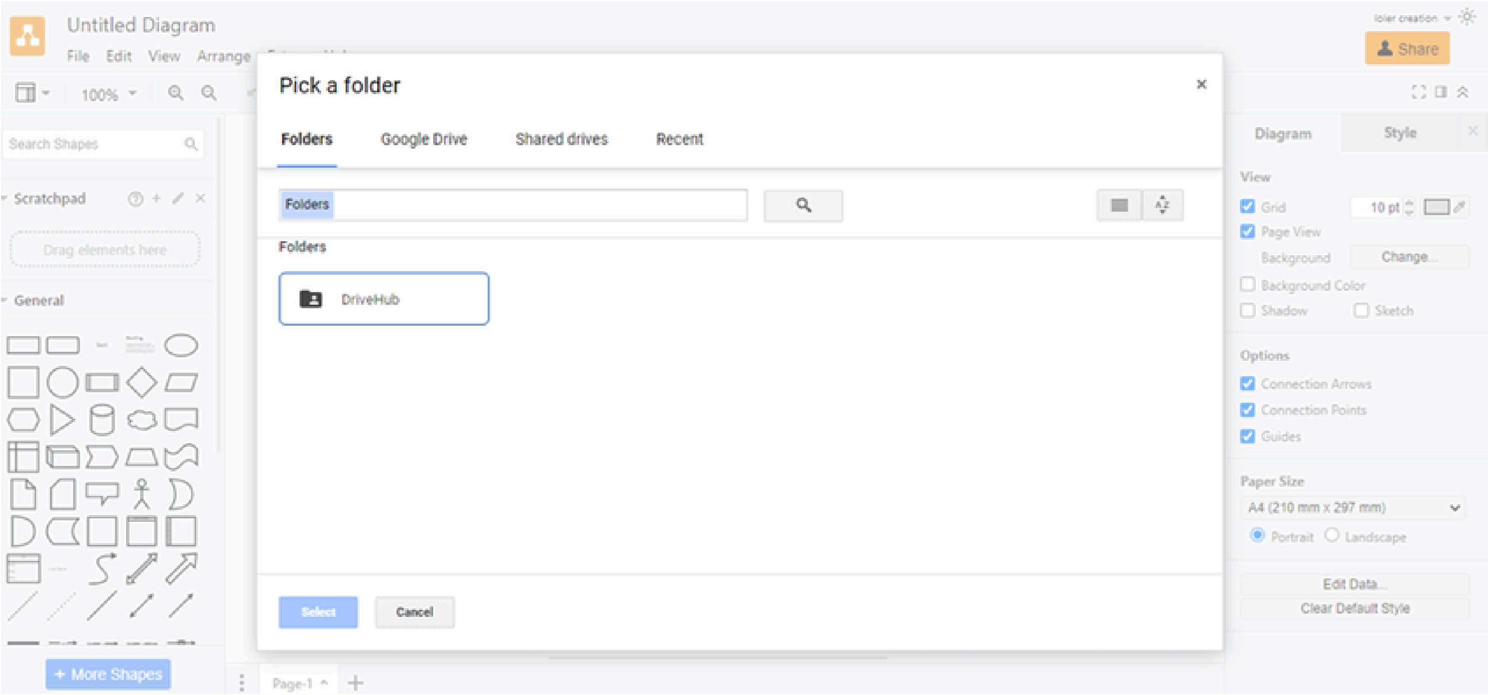
Authorization required

Authorize this app in Google Drive:

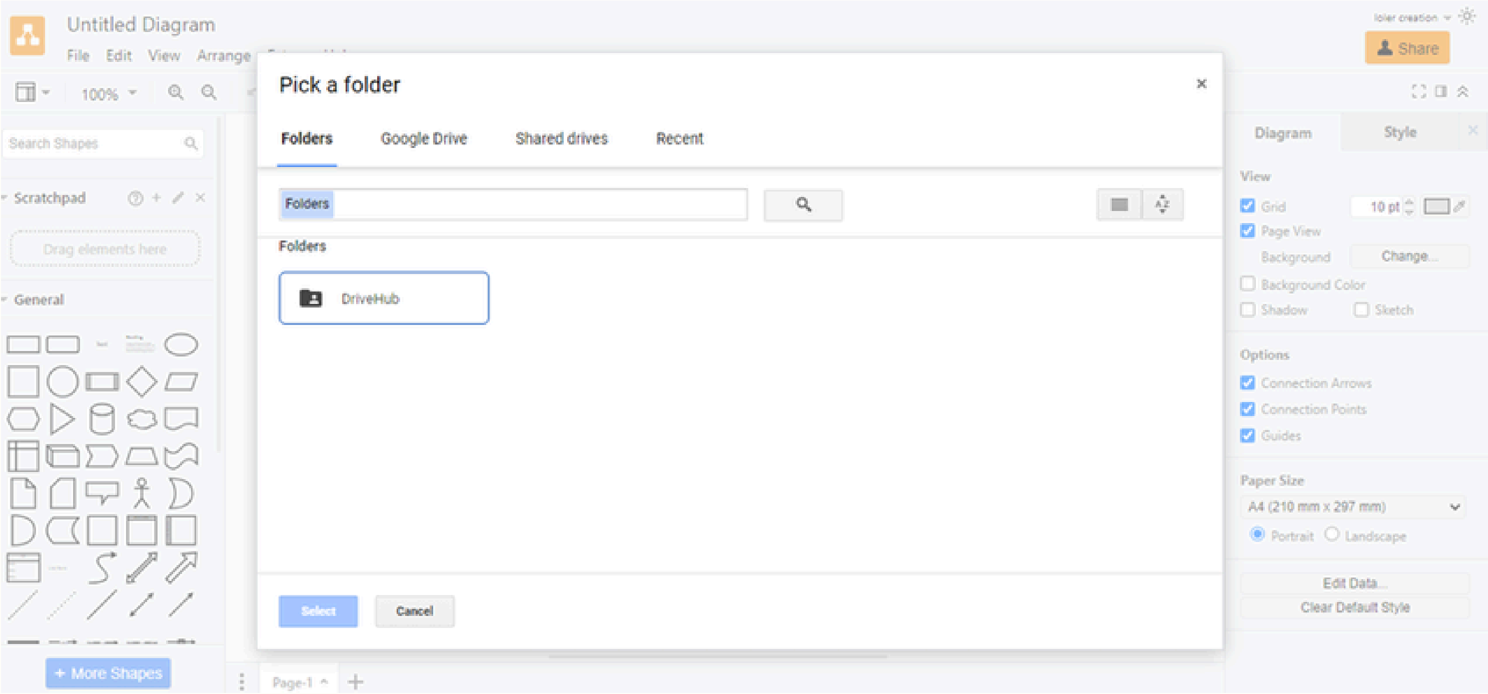
Authorize

☑ Remember me

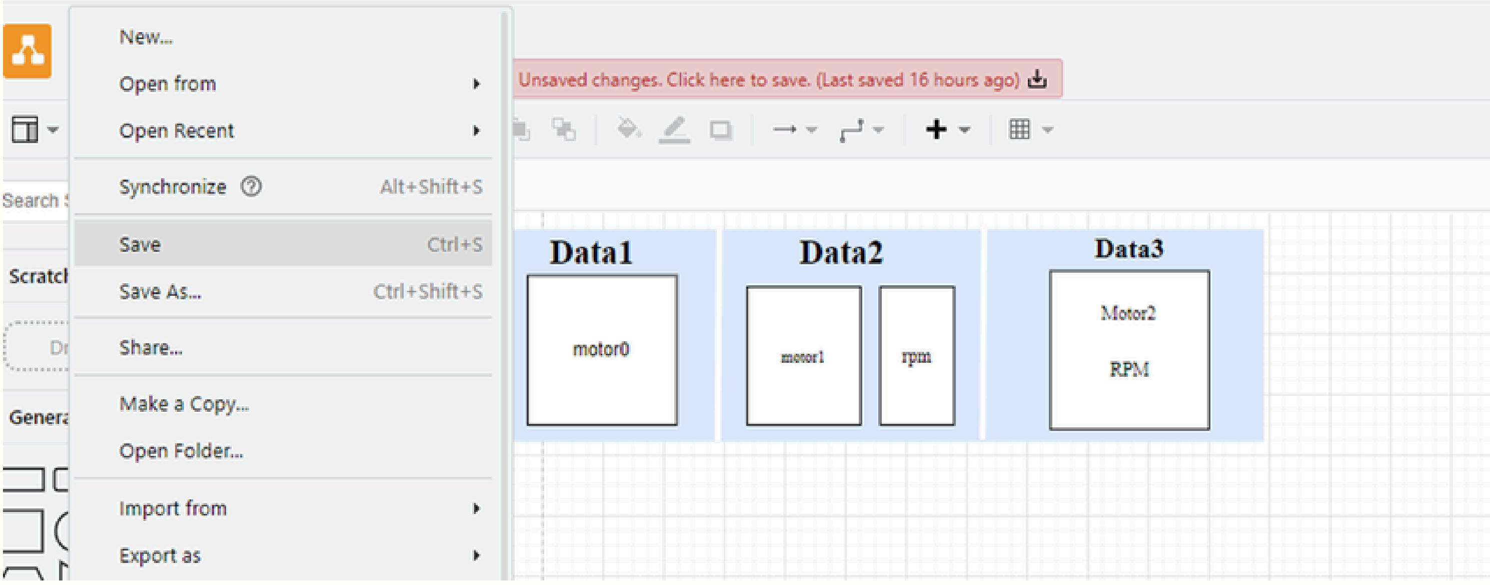
Step 2: If you have already have a draw.io diagram then you can pick a folder and choose the desired file or folder



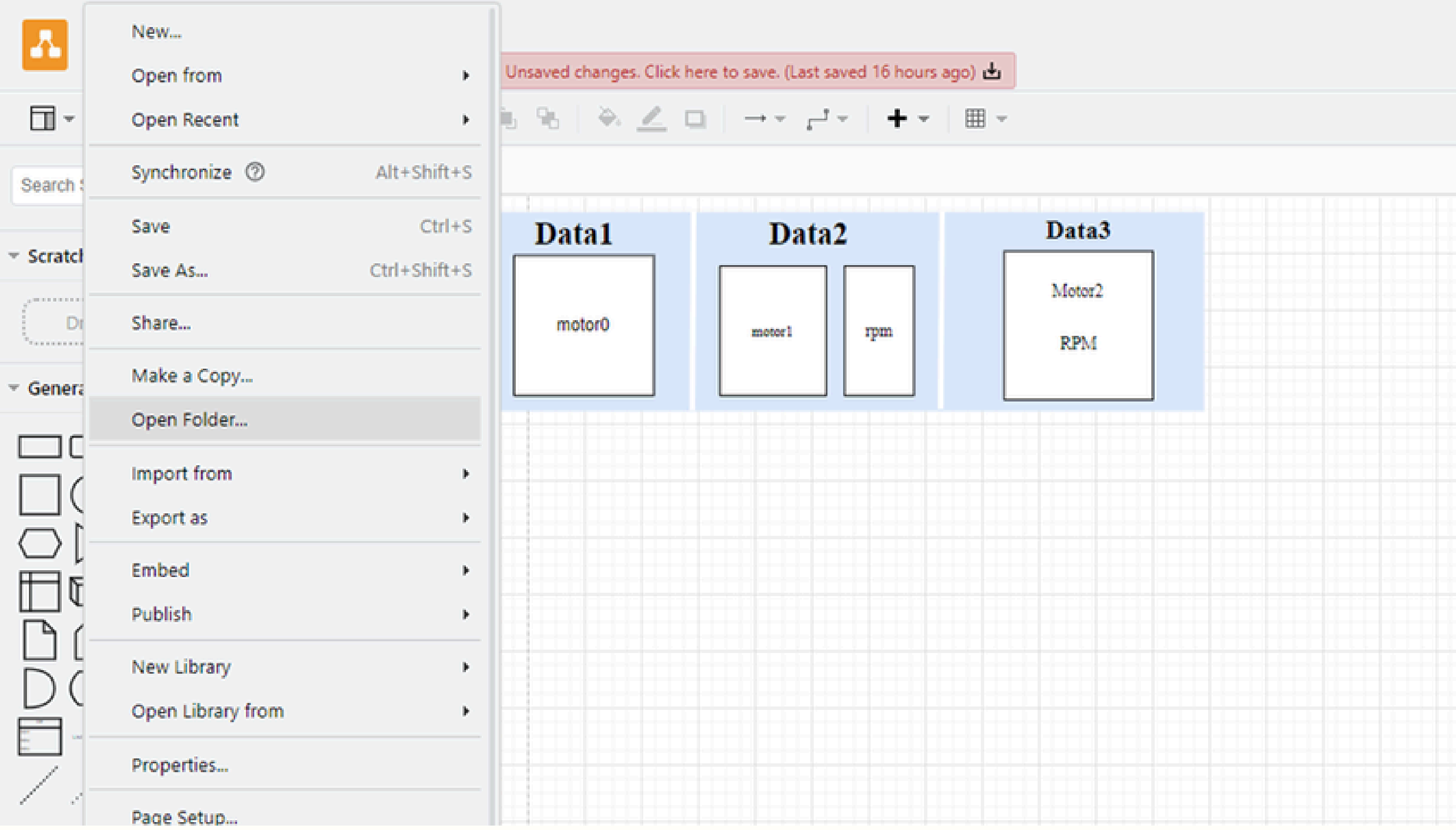
Step 3: Click on save to save your draw.io diagram on google drive as png



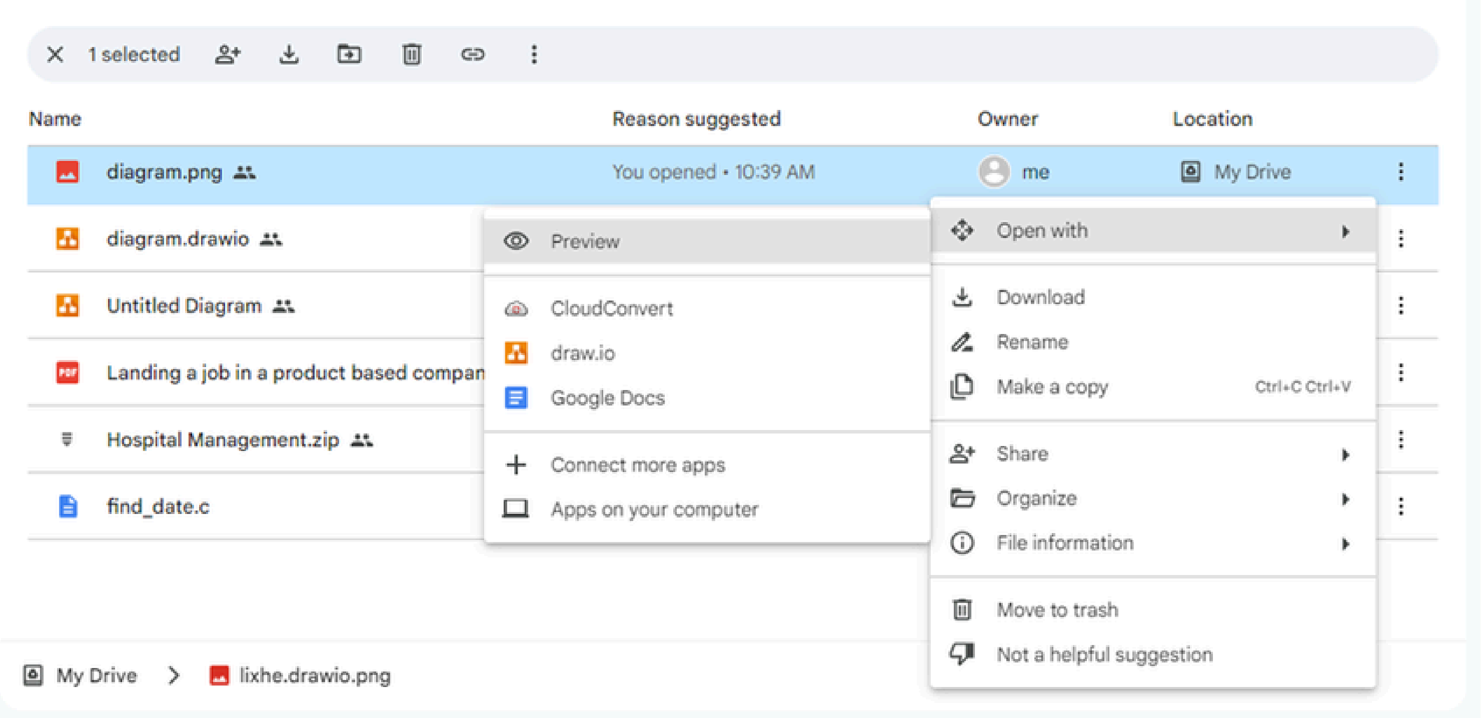
Step 4: Now click on open folder and open your drive folder



Step 5: Now right click on your file and choose open and then preview

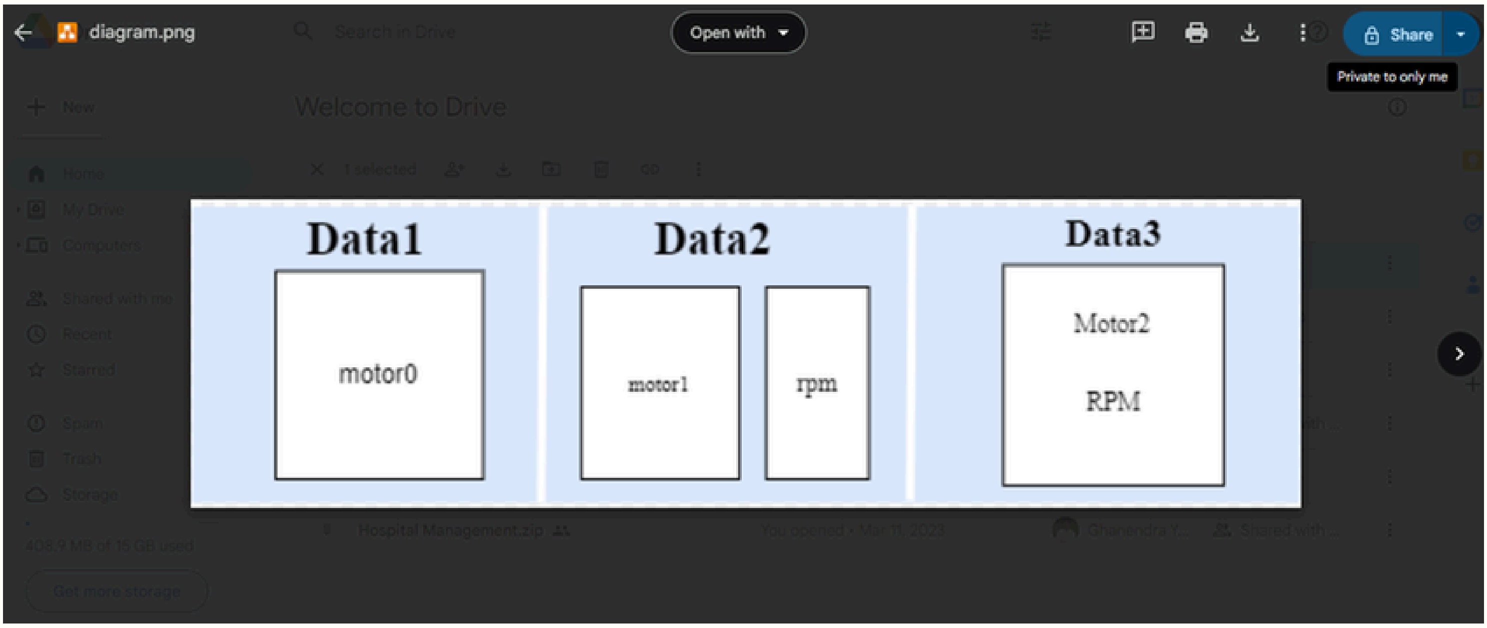


Step 6: Click on share

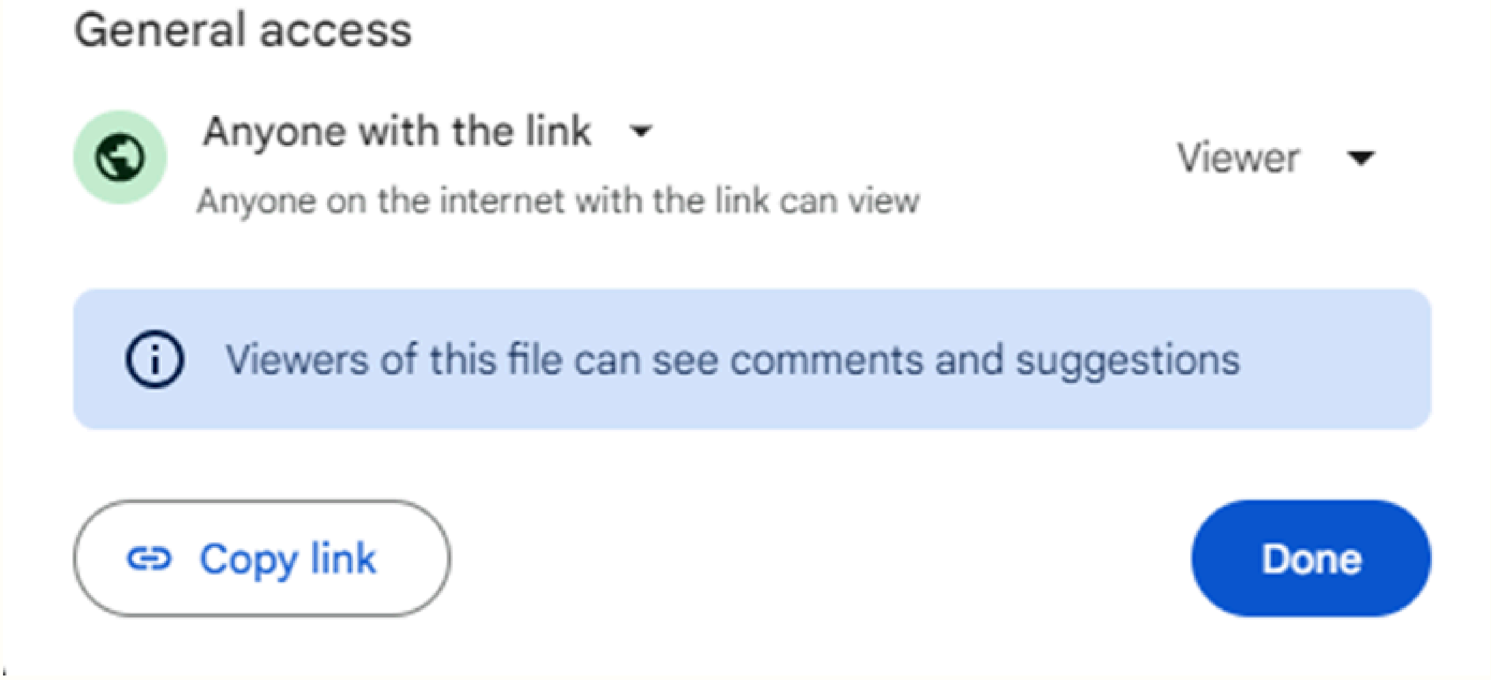


Name	Reason suggested	Owner	Location
diagram.png	You opened • 10:39 AM	me	My Drive
diagram.drawio			
Untitled Diagram			
Landing a job in a product based compan			
Hospital Management.zip			
find_date.c			

Step 7: Now change viewer settings to anyone with the link and copy the link



Step 8: Now open a new window in browser and right click anywhere on screen and select inspect now paste the link in the URL tab



General access

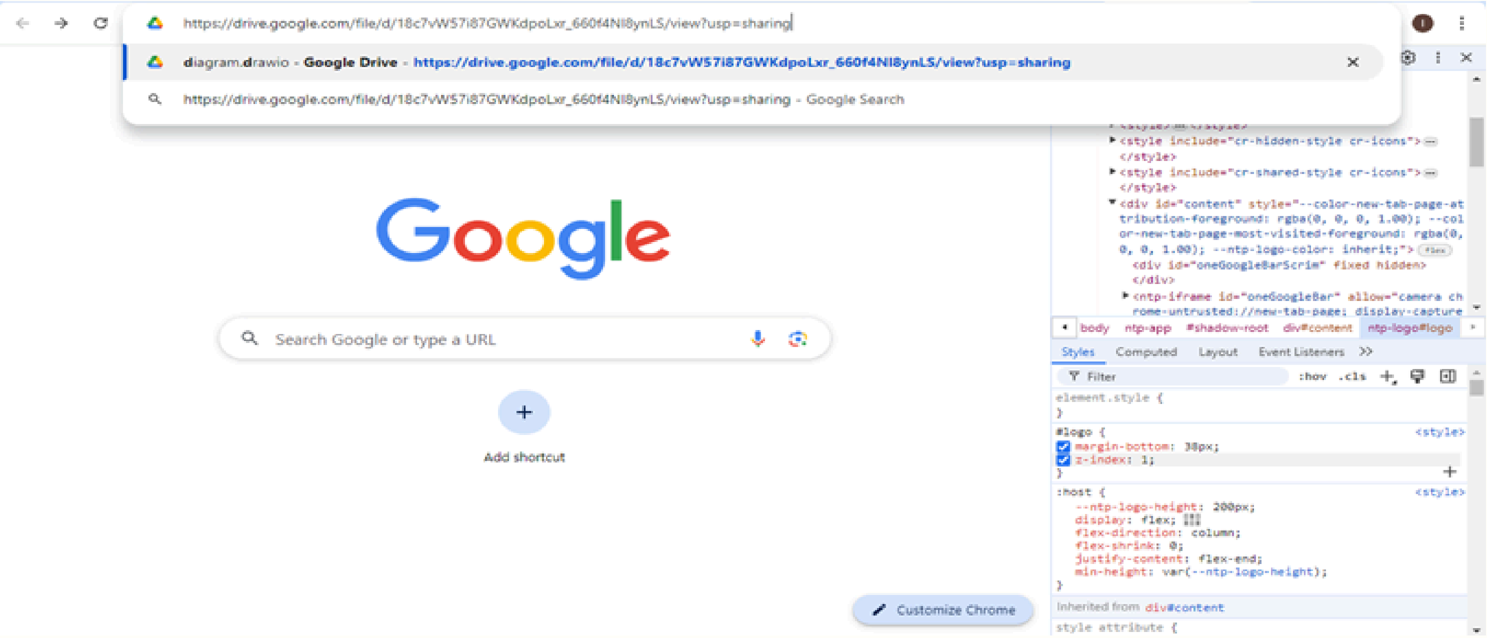
Anyone with the link

Anyone on the internet with the link can view

Viewer

Viewers of this file can see comments and suggestions

Step 9: Click on element selector and select the image



https://drive.google.com/file/d/18c7vW57i87GWKdpoLxr_660f4NI8ynLS/view?usp=sharing

diagram.drawio - Google Drive - https://drive.google.com/file/d/18c7vW57i87GWKdpoLxr_660f4NI8ynLS/view?usp=sharing

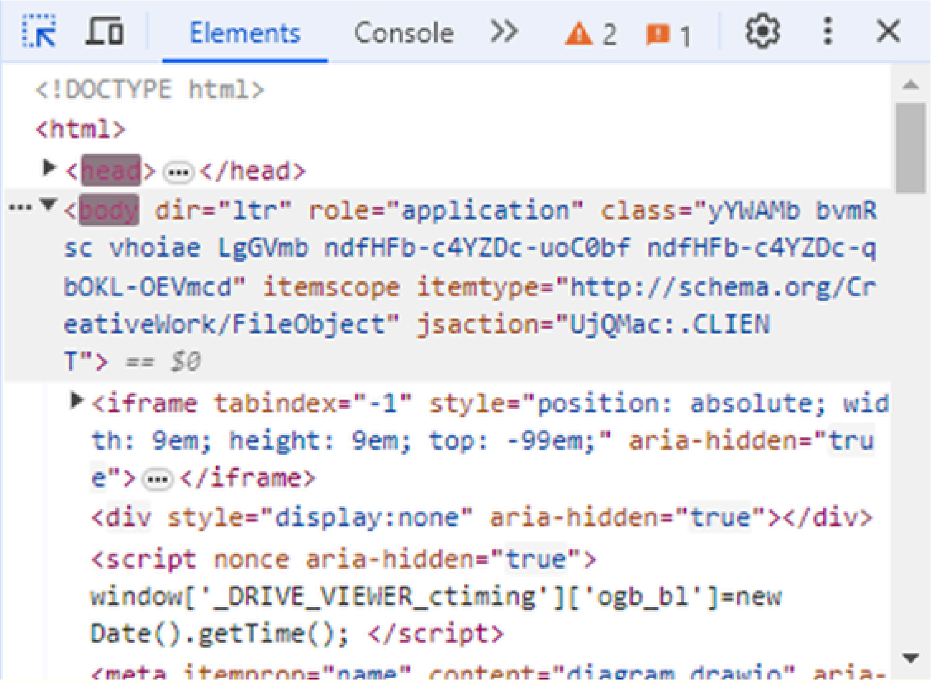
https://drive.google.com/file/d/18c7vW57i87GWKdpoLxr_660f4NI8ynLS/view?usp=sharing - Google Search

```
<style include="cr-hidden-style cr-icons">…
</style>
<style include="cr-shared-style cr-icons">…
</style>
<div id="content" style="--color-new-tab-page-attribution-foreground: rgba(0, 0, 0, 1.00); --color-new-tab-page-most-visited-foreground: rgba(0, 0, 0, 1.00); --ntp-logo-color: inherit;"> flex
  <div id="oneGoogleBarScrim" fixed hidden>
  </div>
  <ntp-iframe id="oneGoogleBar" allow="camera chrome-untrusted://new-tab-page; display-capture
```

body ntp-app #shadow-root div#content ntp-logo#logo

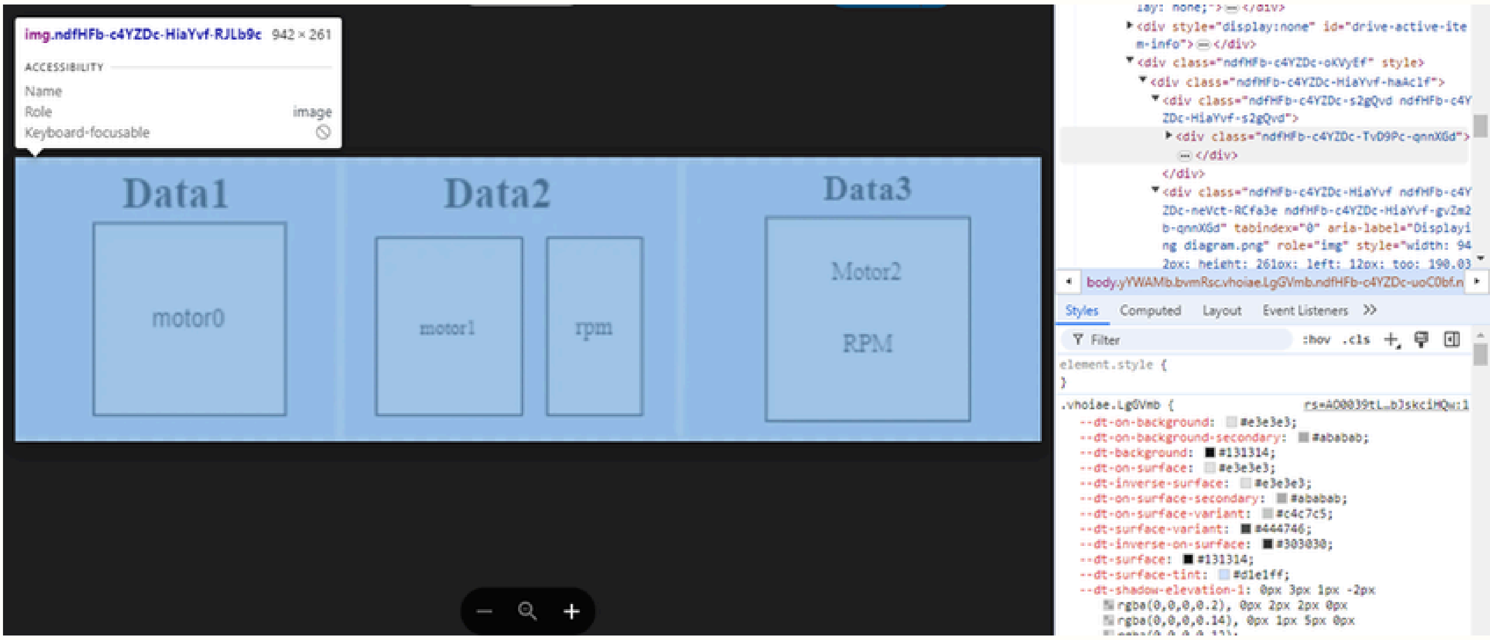
```
element.style {
}
#logo {                                   <style>
  margin-bottom: 38px;
  z-index: 1;
}
:host {                                   <style>
  --ntp-logo-height: 200px;
  display: flex;
  flex-direction: column;
  flex-shrink: 0;
  justify-content: flex-end;
  min-height: var(--ntp-logo-height);
}
Inherited from div#content
style attribute {
```

Step 10: Now select the image and copy the inspect window highlighted element



```
<!DOCTYPE html>
<html>
 ▶<head> ⋯ </head>
⋯▼<body dir="ltr" role="application" class="yYWAMb bvmRsc vhoiae LgGVmb ndfHFb-c4YZDc-uoC0bf ndfHFb-c4YZDc-qbOKL-OEVmcd" itemscope itemtype="http://schema.org/CreativeWork/FileObject" jsaction="UjQMac:.CLIENT"> == $0
   ▶<iframe tabindex="-1" style="position: absolute; width: 9em; height: 9em; top: -99em;" aria-hidden="true"> ⋯ </iframe>
    <div style="display:none" aria-hidden="true"></div>
    <script nonce aria-hidden="true">
    window['_DRIVE_VIEWER_ctiming']['ogb_bl']=new
    Date().getTime(); </script>
    <meta itemprop="name" content="diagram drawio" aria-
```

Step 11: Now paste it in notepad and copy only the part in double quotes (“src to your image”)



img.ndfHFb-c4YZDc-HiaYvf-RJLb9c 942 × 261

ACCESSIBILITY

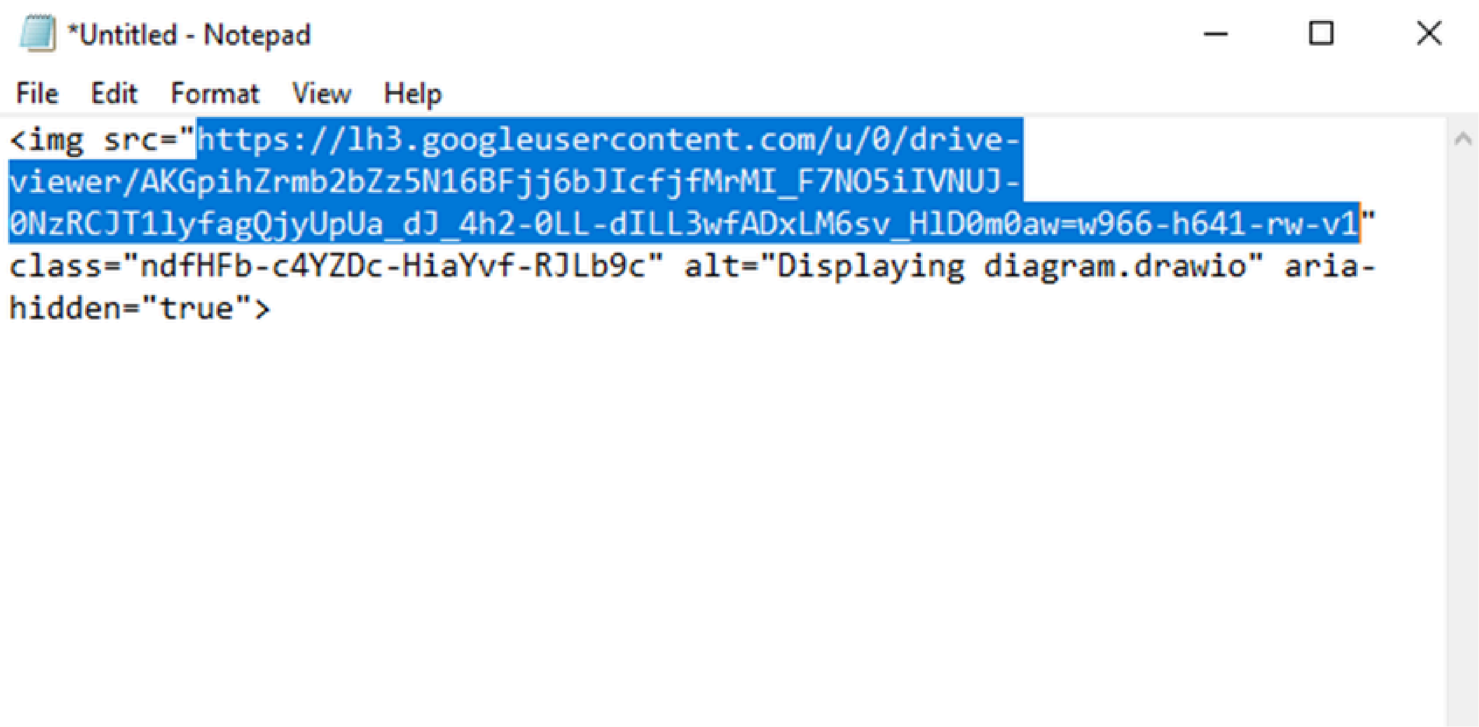
Name

Role image

Keyboard-focusable

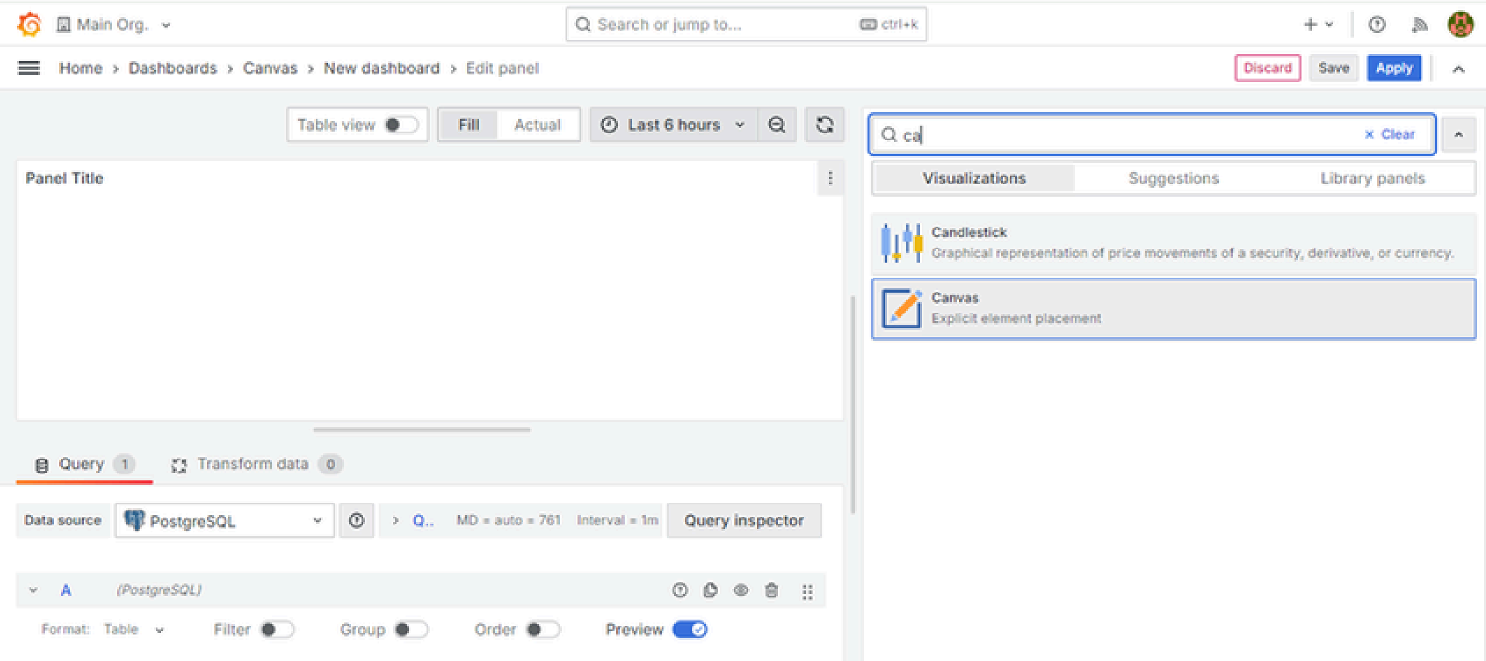
```
lay: none;"> ⋯ </div>
▶<div style="display:none" id="drive-active-item-info"> ⋯ </div>
▼<div class="ndfHFb-c4YZDc-oKVyEf" style>
  ▼<div class="ndfHFb-c4YZDc-HiaYvf-haAclf">
    ▼<div class="ndfHFb-c4YZDc-s2gQvd ndfHFb-c4YZDc-HiaYvf-s2gQvd">
      ▶<div class="ndfHFb-c4YZDc-TvD9Pc-qnnXGd"> ⋯ </div>
     </div>
    ▼<div class="ndfHFb-c4YZDc-HiaYvf ndfHFb-c4YZDc-neVct-RCfa3e ndfHFb-c4YZDc-HiaYvf-gvZm2b-qnnXGd" tabindex="0" aria-label="Displaying diagram.png" role="img" style="width: 942px; height: 261px; left: 12px; top: 190.03
body.yYWAMb.bvmRsc.vhoiae.LgGVmb.ndfHFb-c4YZDc-uoC0bf.n

element.style {
}
.vhoiae.LgGVmb {                                   rs=AO0039tL…bJskciMQw:1
   --dt-on-background: #e3e3e3;
   --dt-on-background-secondary: #ababab;
   --dt-background: #131314;
   --dt-on-surface: #e3e3e3;
   --dt-inverse-surface: #e3e3e3;
   --dt-on-surface-secondary: #ababab;
   --dt-on-surface-variant: #c4c7c5;
   --dt-surface-variant: #444746;
   --dt-inverse-on-surface: #303030;
   --dt-surface: #131314;
   --dt-surface-tint: #d1e1ff;
   --dt-shadow-elevation-1: 0px 3px 1px -2px
      rgba(0,0,0,0.2), 0px 2px 2px 0px
      rgba(0,0,0,0.14), 0px 1px 5px 0px
```

Step 12: Now create a new dashboard and add visualization



```
<img src="https://lh3.googleusercontent.com/u/0/drive-
viewer/AKGpihZrmb2bZz5N16BFjj6bJIcfjfMrMI_F7NO5iIVNUJ-
0NzRCJT1lyfagQjyUpUa_dJ_4h2-0LL-dILL3wfADxLM6sv_H1D0m0aw=w966-h641-rw-v1"
class="ndfHFb-c4YZDc-HiaYvf-RJLb9c" alt="Displaying diagram.drawio" aria-
hidden="true">
```

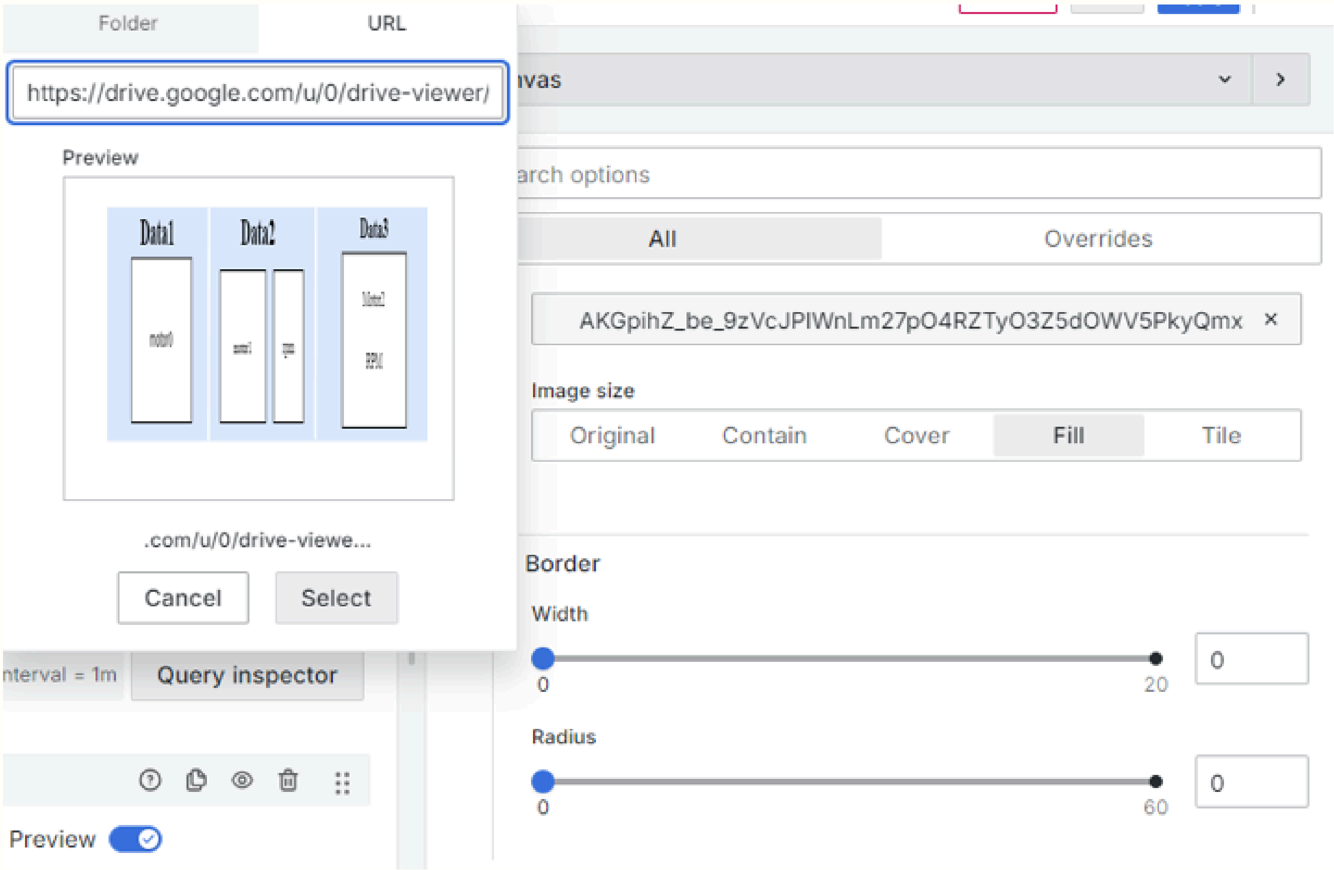
Step 13: Now select the canvas panel option



Candlestick
Graphical representation of price movements of a security, derivative, or currency.

Canvas
Explicit element placement

Step 14: In the background section select field > select value and select the url field and paste the url here



https://drive.google.com/u/0/drive-viewer/

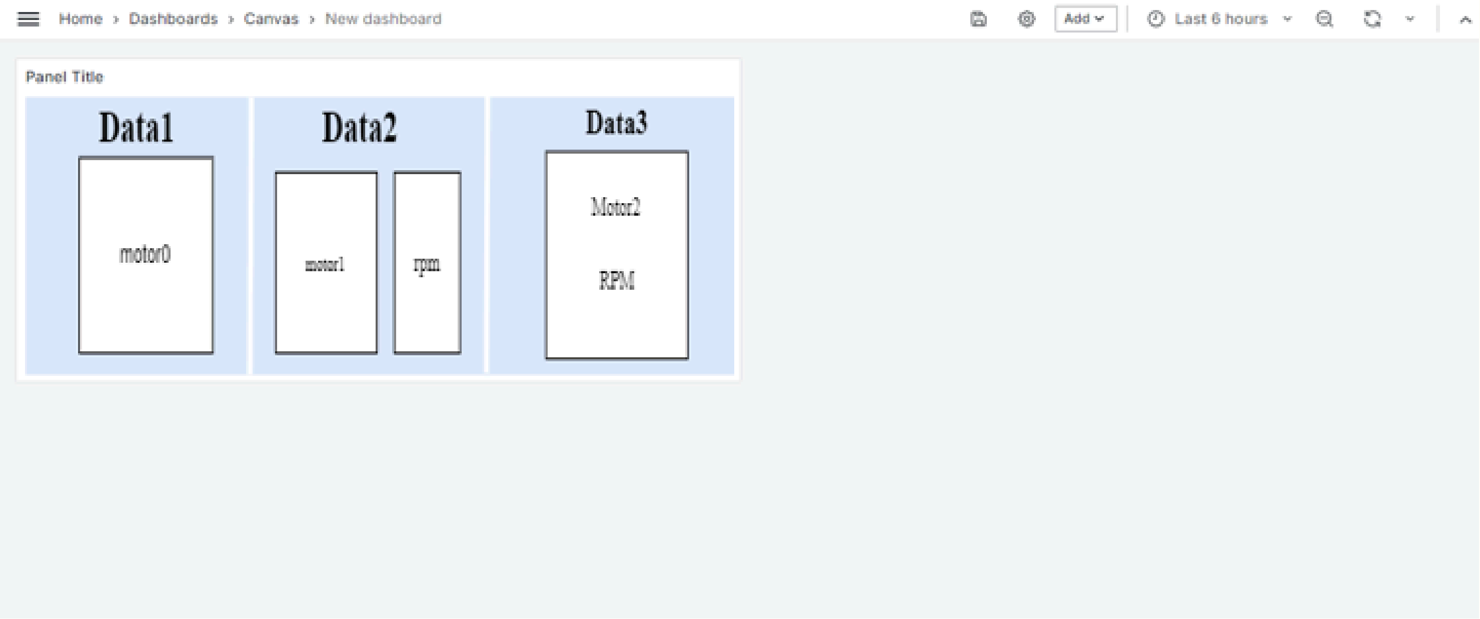
.com/u/0/drive-viewe...

AKGpihZ_be_9zVcJPIWnLm27pO4RZTyO3Z5dOWV5PkyQmx ×

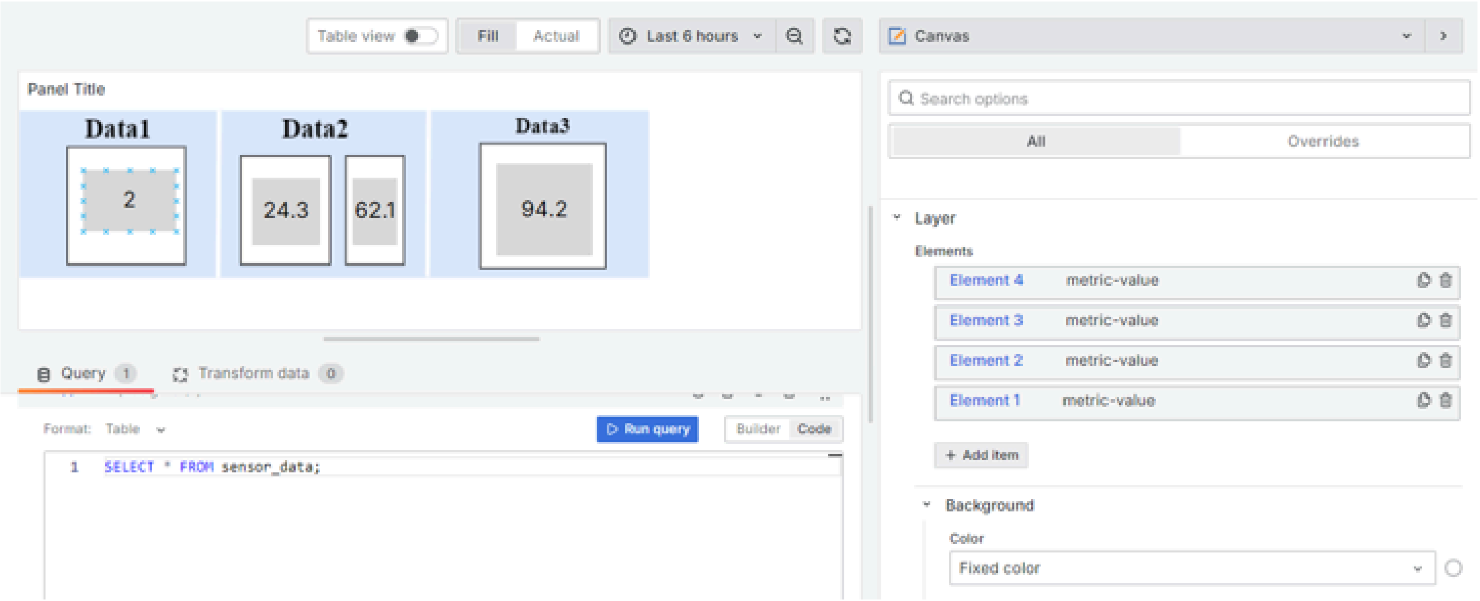
Width 0

Radius 0

Step 15: Now click on select and then save and apply your diagram is now added by url



Step 16: Dynamic Data Integration



Format: Table

```
SELECT * FROM sensor_data;
```

Element 4 metric-value
Element 3 metric-value
Element 2 metric-value
Element 1 metric-value

Color: Fixed color

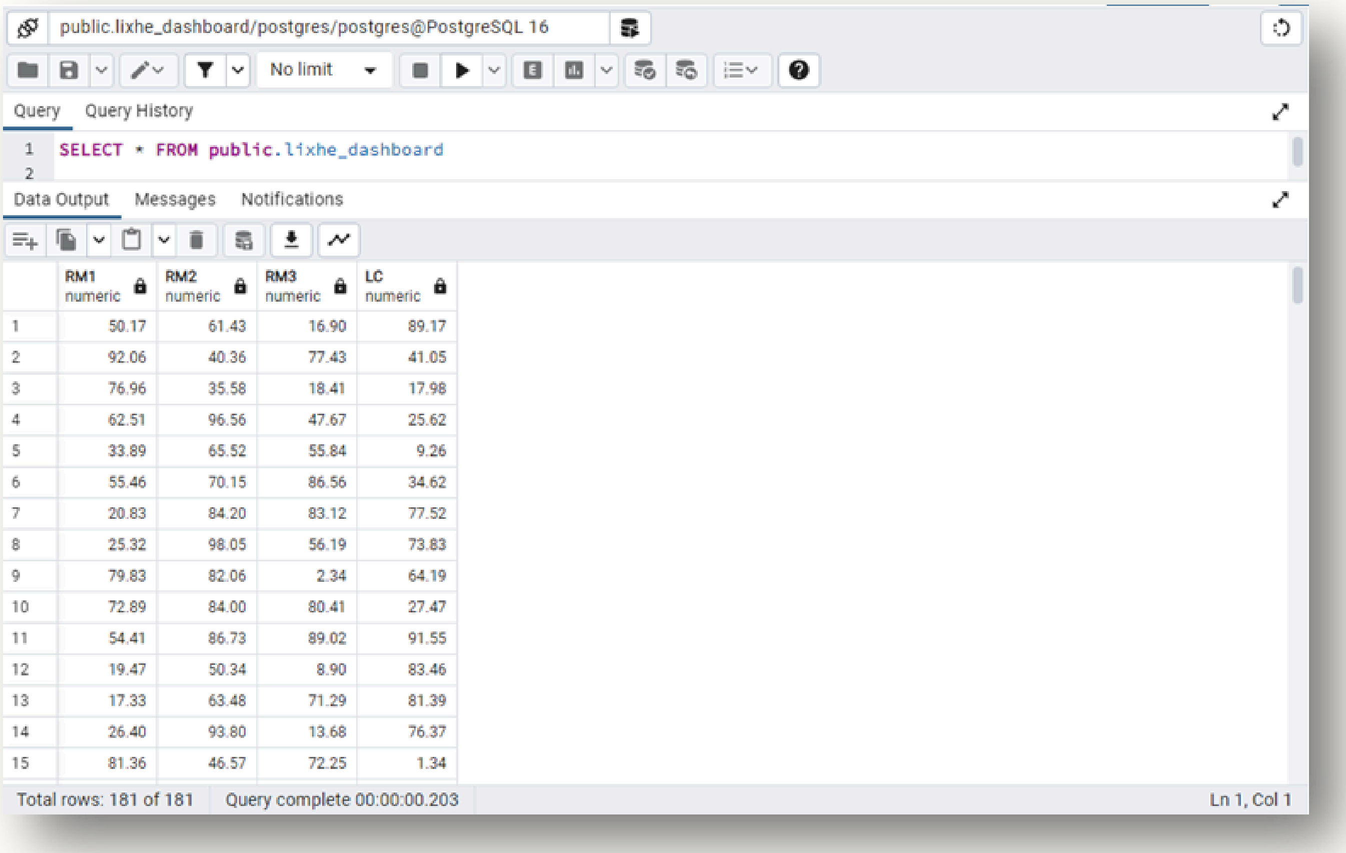
Element Addition: Add elements (e.g., text, shapes) to the Canvas panel corresponding to the components of the original flowchart.

Data Scripting: Create a script to push data into a PostgreSQL database every 10 seconds. The script will:

Insert or update the relevant data in the PostgreSQL database.

Map the data columns to the respective elements in the Canvas panel.

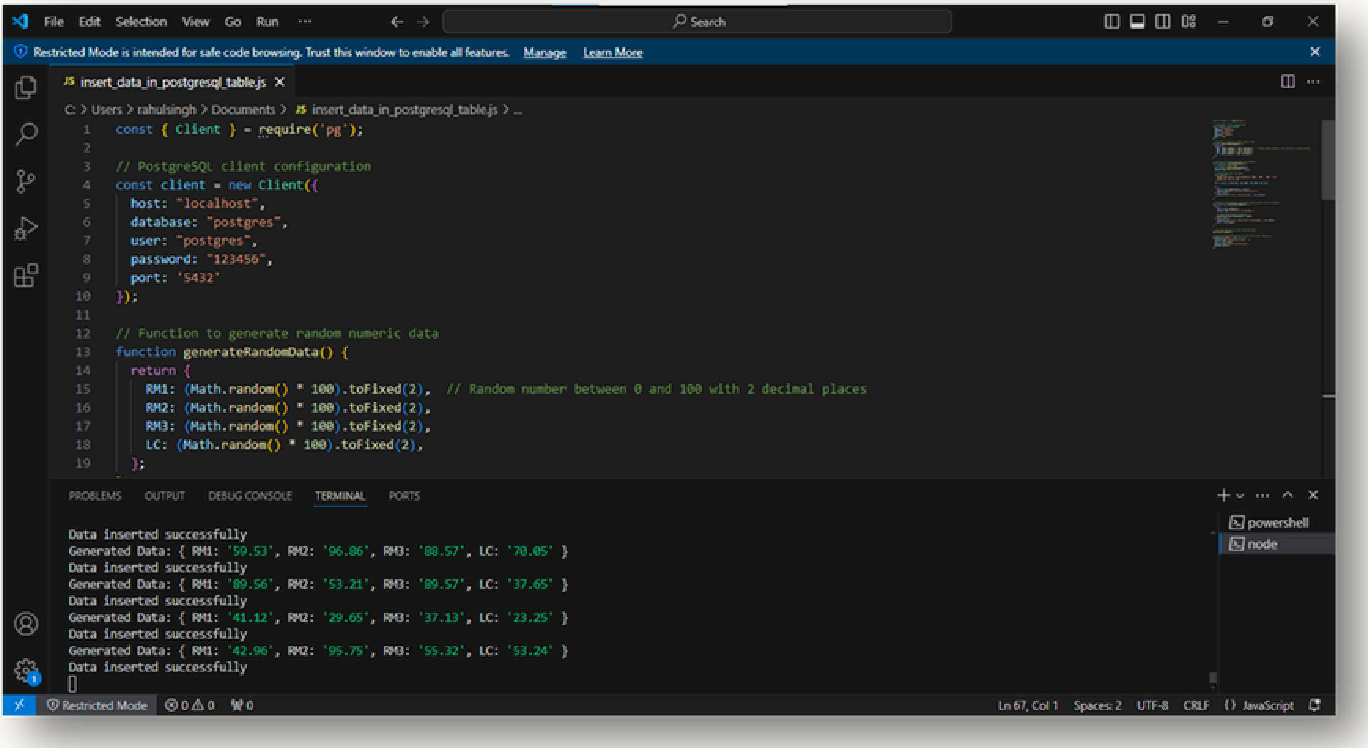
Automatic Refresh: Configure the dashboard to refresh every 10 seconds, ensuring that the latest values from the PostgreSQL table are displayed dynamically.



```sql
SELECT * FROM public.lixhe_dashboard
```

	RM1 numeric	RM2 numeric	RM3 numeric	LC numeric
1	50.17	61.43	16.90	89.17
2	92.06	40.36	77.43	41.05
3	76.96	35.58	18.41	17.98
4	62.51	96.56	47.67	25.62
5	33.89	65.52	55.84	9.26
6	55.46	70.15	86.56	34.62
7	20.83	84.20	83.12	77.52
8	25.32	98.05	56.19	73.83
9	79.83	82.06	2.34	64.19
10	72.89	84.00	80.41	27.47
11	54.41	86.73	89.02	91.55
12	19.47	50.34	8.90	83.46
13	17.33	63.48	71.29	81.39
14	26.40	93.80	13.68	76.37
15	81.36	46.57	72.25	1.34

Total rows: 181 of 181 Query complete 00:00:00.203 Ln 1, Col 1



File
Edit
Selection
View
Go
Run
Search
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
insert_data_in_postgresql_table.js
C: > Users > rahulsingh > Documents > insert_data_in_postgresql_table.js > ...
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
node
Restricted Mode
Ln 67, Col 1
Spaces: 2
UTF-8
CRLF
JavaScript

```javascript
const { Client } = require('pg');

// PostgreSQL client configuration
const client = new Client({
  host: "localhost",
  database: "postgres",
  user: "postgres",
  password: "123456",
  port: '5432'
});

// Function to generate random numeric data
function generateRandomData() {
  return {
    RM1: (Math.random() * 100).toFixed(2),  // Random number between 0 and 100 with 2 decimal places
    RM2: (Math.random() * 100).toFixed(2),
    RM3: (Math.random() * 100).toFixed(2),
    LC: (Math.random() * 100).toFixed(2),
  };
```

```
Data inserted successfully
Generated Data: { RM1: '59.53', RM2: '96.86', RM3: '88.57', LC: '70.05' }
Data inserted successfully
Generated Data: { RM1: '89.56', RM2: '53.21', RM3: '89.57', LC: '37.65' }
Data inserted successfully
Generated Data: { RM1: '41.12', RM2: '29.65', RM3: '37.13', LC: '23.25' }
Data inserted successfully
Generated Data: { RM1: '42.96', RM2: '95.75', RM3: '55.32', LC: '53.24' }
Data inserted successfully
```