

Netflix Data Analysis and Visualization Using Amazon QuickSight

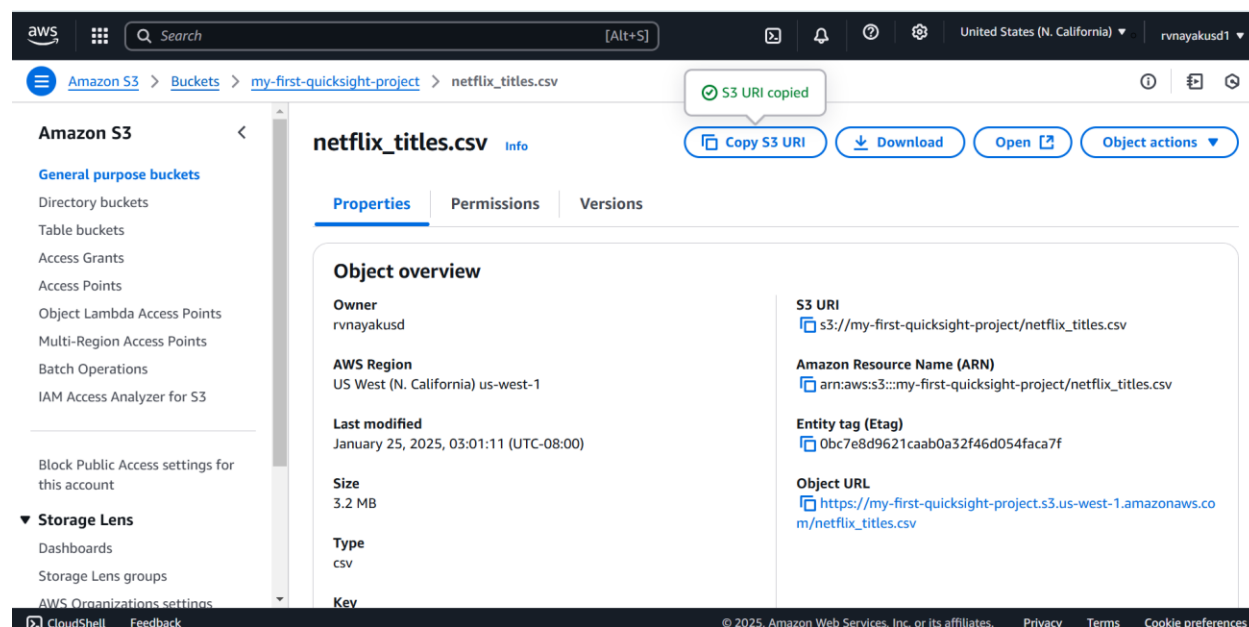
Overview

This project demonstrates how to visualize Netflix data using Amazon QuickSight. The process involves uploading data to Amazon S3, configuring the necessary manifest file, and creating an interactive dashboard in QuickSight to gain insights from the data.

Steps Involved

1. Upload Data to S3

- Upload the dataset into an Amazon S3 bucket.
- Copy the URI of the uploaded data file for reference in the manifest file.






2. Update the `manifest.json` File


- Modify the `manifest.json` file to include the correct S3 data path.
- The `manifest.json` file acts as a map, helping Amazon QuickSight locate and interpret the dataset.
- It describes the data organization and structure to ensure proper visualization.
- Save the updated file.

```
{ } manifest.json •
G: > Projects > Amazon > { } manifest.json > ...
1  {
2    "fileLocations": [
3      {
4        "URIs": [
5          "s3://my-first-quicksight-project/netflix_titles.csv"
6        ]
7      }
8    ],
9    "globalUploadSettings": {
10     "format": "CSV",
11     "delimiter": ",",
12     "textqualifier": "\"",
13     "containsHeader": "true"
14   }
15 }
```



3. Re-upload the `manifest.json` File

- Upload the updated `manifest.json` file back into the S3 bucket.



 **Upload succeeded**
For more information, see the [Files and folders](#) table.


Summary

Destination s3://my-first-quicksight-project	Succeeded  1 file, 297.0 B (100.00%)	Failed  0 files, 0 B (0%)
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[Files and folders](#) | Configuration









Files and folders (1 total, 297.0 B)

< 1 >


Name	Folder	Type	Size	Status	Error
manifest.json	-	application/json	297.0 B	 Succeeded	-



4. Establish Connection with Amazon QuickSight

- Set up a data source connection between Amazon QuickSight and the S3 bucket.
- Ensure the manifest file and dataset are properly linked for QuickSight to access and interpret the data.

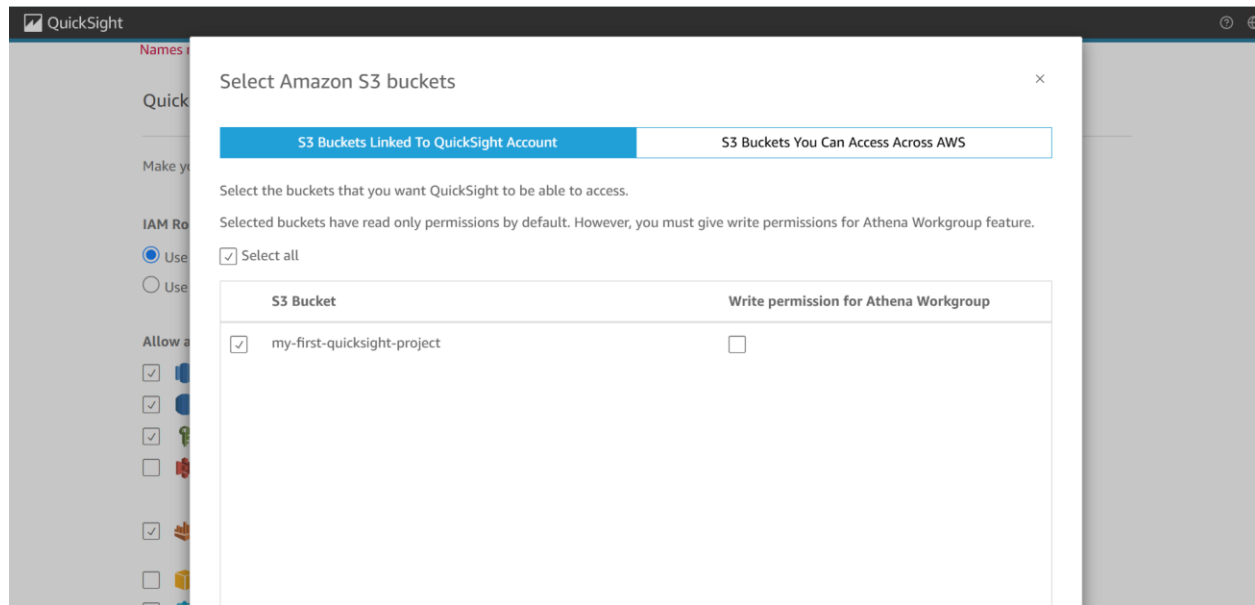
Objects (2)   Copy S3 URI  Copy URL  Download  Open  Delete **Actions**  Create folder  Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

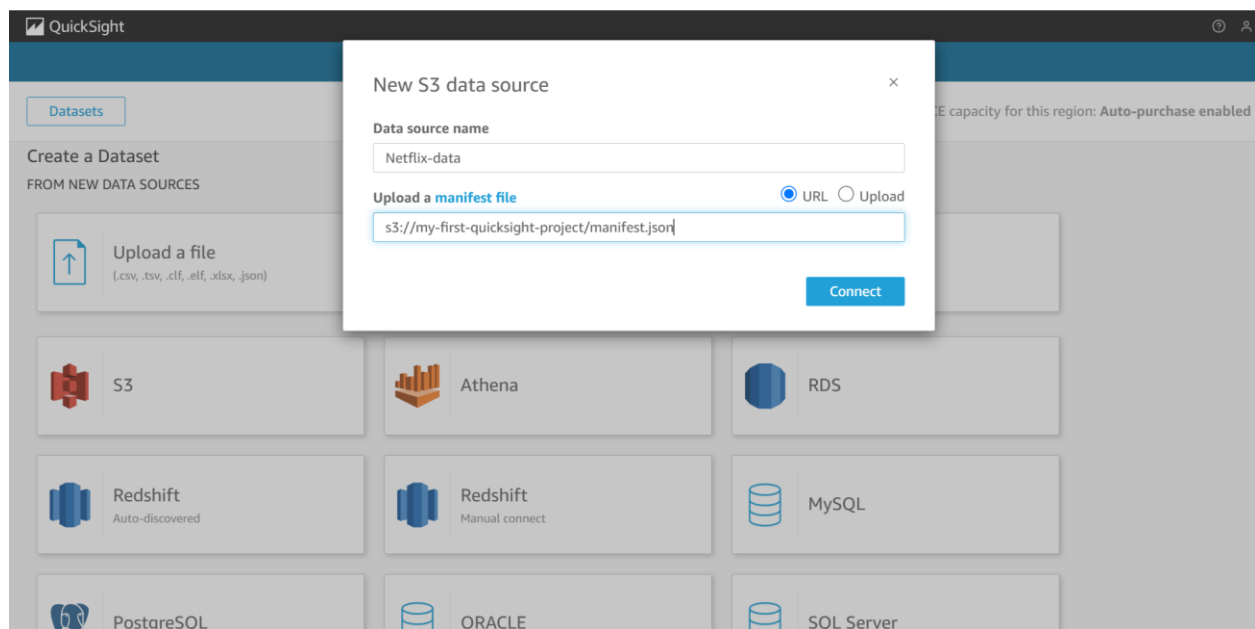
< 1 > 

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	 manifest.json	json	January 25, 2025, 03:08:36 (UTC-08:00)	297.0 B	Standard
<input type="checkbox"/>	 netflix_titles.csv	csv	January 25, 2025, 03:01:11 (UTC-08:00)	3.2 MB	Standard

- Creating connection with Quicksight and S3

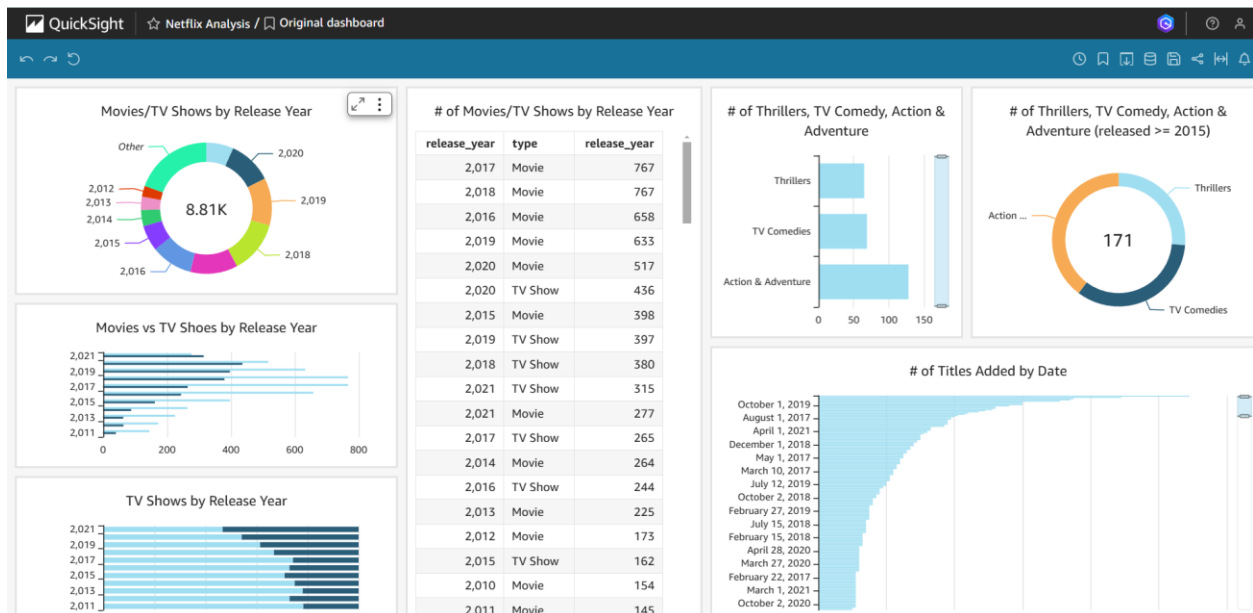
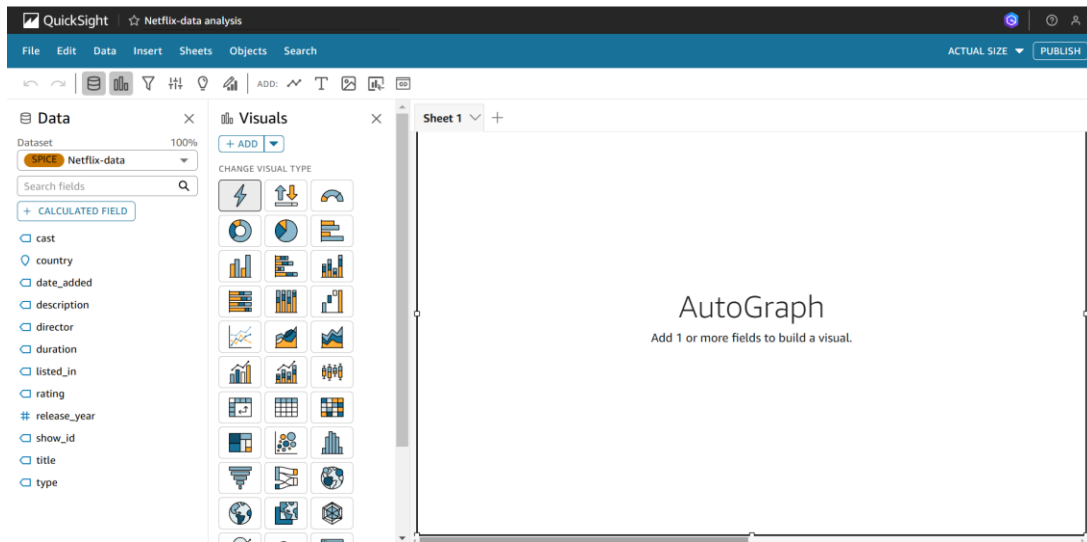


- Creating S3 data source connection for visualization.



5. Create a Dashboard in Amazon QuickSight

- Design and build an interactive dashboard using the imported dataset.
- Utilize QuickSight's visualization tools to represent data insights effectively.



Notes

- The `manifest.json` file is critical for accurate data visualization. Without it, QuickSight may not interpret or display the data correctly.