



# Data Lakehouse with SAP Workshop

Michael Lin

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Amazon Web Services

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login.us-east-1.auth.skillbuilder.aws/otp/input/response?redirect\_uri=https%3A%2F%2Fgandalf-prod.auth.us-east-1.amazoncognito.com%2Foauth2%2Fidpr...

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Send a passcode to the email below.

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We sent a passcode to michael.tw.lin@gmail.com. You should receive it within 5 minutes.

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529717102

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Sign in

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- Step 1  
Enter event access code
- Step 2  
**Review and join**

## Review and join

### Event details

Name  
TCC-Bedrock-Dryrun

Start time  
7/27/2024 03:02 PM

Duration  
72 hours

Level  
300

### Description

TCC-Bedrock-Dryrun

### Terms and Conditions

Read and accept before joining the event

Read and accept before joining the event:

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Country or region	Minimum age
All countries or regions not listed below (including the United States, Brazil, the United Kingdom, and India)	13
Canada, China, Republic of Korea (South Korea)	14
Australia	15

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12. Your use of AWS Workshop Studio will comply with these terms and all applicable laws. If You fail to comply with any of these terms, Your access to AWS Workshop Studio may be immediately terminated, without notice to You.

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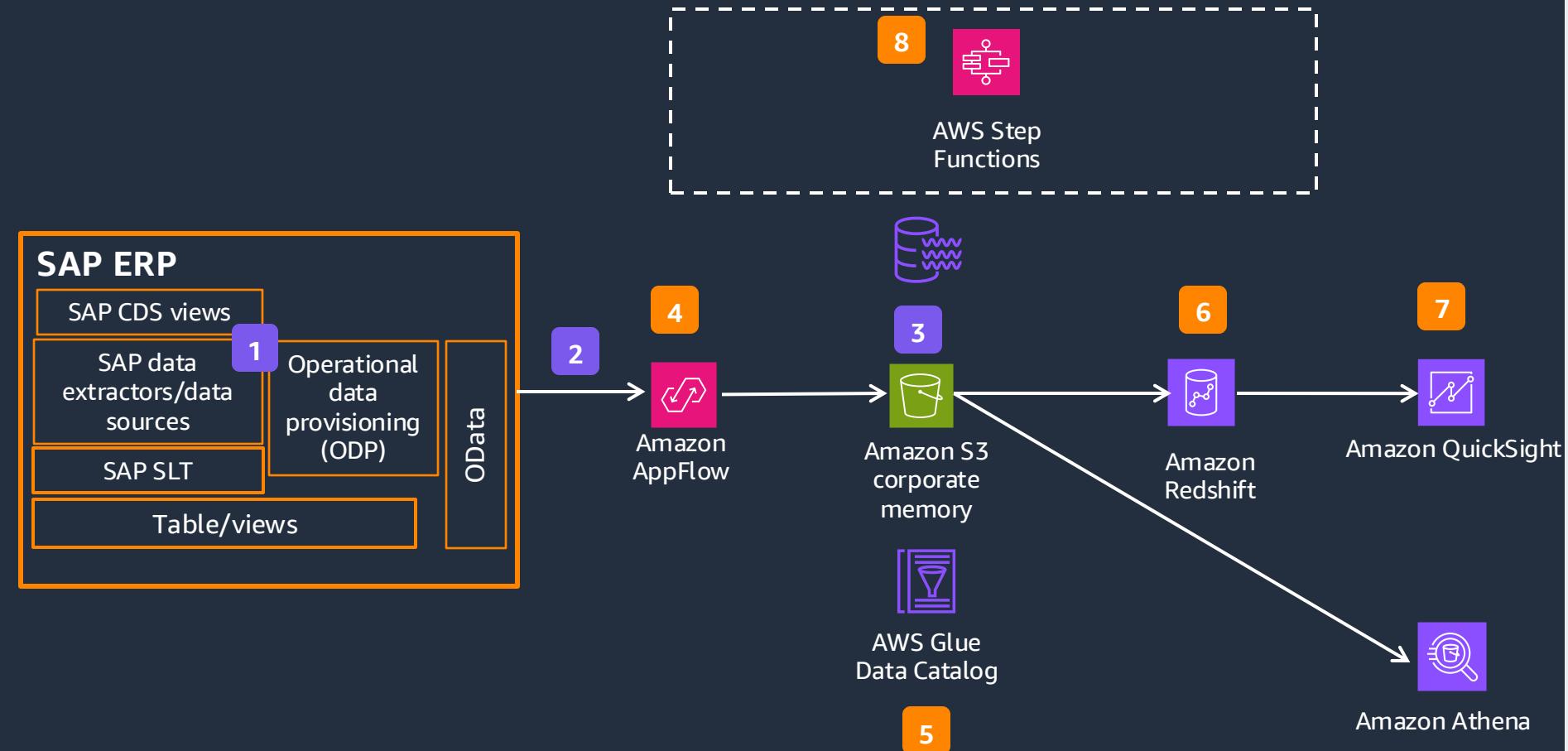
[Cancel](#)

Previous

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# Data LakeHouse on AWS with SAP



- 1 Pre-req. – Install and activate standard SAP Business Content Extractors. Configure ODP for extraction in the SAP gateway of your SAP system
- 2 Pre-req. – Create the OData system connection from Amazon AppFlow to your SAP source system. This can be over PrivateLink for SAP on AWS/connect with AWS via VPN/direct connect, or over the internet
- 3 Pre-req. – Create an S3 bucket to store data
- 4 In Amazon AppFlow, create the Flow using the SAP source created in step 3. Run the flow to extract data from SAP and save to an S3 bucket
- 5 Create a data catalog entry with metadata for the extracted SAP data in your S3 bucket
- 6 Load data into Amazon Redshift through "COPY" commands. Model the data appropriately, enable the capability for visibility on historical movement of data
- 7 Create the dataset in QuickSight with Amazon Redshift as your data source. Create a dashboard to visualize the business data as per requirements
- 8 Orchestrate end-to-end process

← → ⌂ catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/introduction/sap-env ⌂ ☆ ⌂ | ⌂ Verify it's you ⌂

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sap-lake-20250410 < (i)

Unlock insights with SAP data lakes and Amazon Q in QuickSight

▼ 1.Introduction

SAP Environment

▼ 2.Review the deployed services

Examine the Amazon AppFlow Flows

Query extracted SAP data in Amazon Redshift

► 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

► 4.Modify SAP Data (Optional)

► 5.AWS Glue SAP Connector (Optional)

▼ AWS account access

Open AWS console (us-east-1) ↗

Get AWS CLI credentials

▼ Content preferences

Language

English ▼

Exit event

Event dashboard > 1.Introduction > SAP Environment

# SAP Environment

For this workshop you will use a pre-built SAP demo environment based on **SAP S/4HANA 2023** release with sample sales and material data.

(i) Please keep in mind that the data quality does not reflect any real company data. It may deviate and adversely affect the AI/ML models used in this lab sub-optimally. Therefore, if you run this on real business data, the results will be more realistic and useful for the AI/ML models.

For the OData ODP layer you will use the SAP S/4HANA common extractors defined in RSA5 transaction as following:

## Order To Cash Extractors

**1) The key transactional data extractors**

- *2lis\_11\_vaitm* - Sales Order Item
- *2lis\_11\_vahdr* - Sales Order Header
- *2lis\_12\_vchdr* - Deliveries Header
- *2lis\_12\_vcitm* - Deliveries Item
- *2lis\_13\_vdhdr* - Billing Document Header
- *2lis\_13\_vditm* - Billing Document Item

**2) The key master data extractors**

- *Omaterial\_attr* - Material Master attributes
- *Omaterial\_text* - Material Master texts

💬

← → ⌂ catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/introduction/sap-env ⌂ ☆ ⌂ | ⌂ Verify it's you ⌂

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▼ AWS account access

Open AWS console (us-east-1)

Get AWS CLI credentials

▼ Content preferences

Language

English

Exit event

# Procure to Pay Extractors

**1) The key procurement data extractor**

- *2LIS\_02\_ITM* - Purchase Data Item

**2) The key vendor invoice data extractor**

- *2LIS\_06\_INV* - Invoice Verification

# Record to Report Extractors

**1) The key transactional data extractors**

- *OFI\_GL\_14* - New GL Line Items

**2) The key master data extractors**

- *OGL\_ACCOUNT\_TEXT* - Node G/L Account Number
- *C\_GLACCOUNTHIERARCHYNODE* - G/L Account Hierarchy Node

## Further resources:

[SD: Sales Document Extractors](#)

[MM: Material Master Data](#)

[Customer Master Data](#)

[MM: Purchase Data Extractors](#)

[MM: Invoice Verification Extractors](#)

[OFI\\_GL\\_14: New GL Line Items Extractor](#)



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# Event dashboard > 2.Review the deployed services > Examine the Amazon AppFlow Flows

## Examine the Amazon AppFlow Flows

In this task you will examine the extracted SAP extractors data with the Amazon AppFlow SAP OData connector.

**1) The key procurement data extractor**

- po\_items* - Purchase Data Item

**2) The key vendor invoice data extractor**

- supplier\_invoices* - Invoice Verification

1. Navigate to Amazon AppFlow using the following URL <https://us-east-1.console.aws.amazon.com/appflow/home?region=us-east-1#/list>, click **Flows** to examine the flows selected.

As per the guidance, here are the flows per each business content extractor to hydrate the Amazon S3 bucket and then later Amazon Redshift.

The screenshot shows a table of 40 Amazon AppFlow flows. The columns include Flow name, Flow status, Source, Destination, Trigger, Date created, Created by, Last run, and Run status. All flows are Active, using SAP OData as the source and Amazon S3 as the destination, triggered by Scheduled events. The last run column shows dates from November 2024, and the run status column shows Success for all entries.

Flow name	Flow status	Source	Destination	Trigger	Date created	Created by	Last run	Run status
billing_document_header	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:26	Success
billing_document_item	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:26	Success
company_code	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 15:01	Success
cost_center	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 15:02	Success
customer_attr	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:27	Success
customer_text	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 15:02	Success
delivery_header	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:27	Success
delivery_item	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:27	Success
distr_chan_text	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 15:02	Success

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# Event dashboard > 2. Review the deployed services > Examine the Amazon AppFlow Flows

## Examine the Amazon AppFlow Flows

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**1) The key procurement data extractor**

- po\_items* - Purchase Data Item

**2) The key vendor invoice data extractor**

- supplier\_invoices* - Invoice Verification

1. Navigate to Amazon AppFlow using the following URL <https://us-east-1.console.aws.amazon.com/appflow?region=us-east-1#/list>, click **Flows** to examine the flows selected.

As per the guidance, here are the flows per each business content extractor to hydrate the Amazon Redshift.

Open Link in New Tab

Open Link in New Window

Open Link in Incognito Window

Save Link As...

Copy Link Address

Copy

Copy Link to Highlight

Print...

Translate Selection to 中文 (繁體)

Inspect

Speech

Services

Flow name	Flow status	Source	Destination	Trigger	Date created
billing_document_header	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
billing_document_item	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
company_code	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
cost_center	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
customer_attr	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
customer_text	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
delivery_header	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
delivery_item	Active	SAP OData	Amazon S3	Scheduled	13 November 2024
distr_chan_text	Active	SAP OData	Amazon S3	Scheduled	13 November 2024

us-east-1.console.aws.amazon.com/appflow/home?region=us-east-1#/list

Verify it's you

aws Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Amazon AppFlow > Flows

Flows (40) Info

Find flows...

1 2 3 4

	Flow name	Flow status	Source	Destination	Trigger	Date crea...	Created by	Last run	Run sta...
○	billing_docu...	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:46	✓ Success
○	billing_docu...	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:45	✓ Success
○	company_code	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:10	✓ Success
○	cost_center	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:11	✓ Success
○	customer_attr	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:46	✓ Success
○	customer_text	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:11	✓ Success
○	delivery_heav...	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:47	✓ Success
○	delivery_item	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:46	✓ Success
○	distr_chan_t...	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:11	✓ Success
○	division_text	✓ Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:12	✓ Success

us-east-1.console.aws.amazon.com/appflow/home?region=us-east-1#/list

Verify it's you

aws Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Amazon AppFlow > Flows

Flows (40) Info

Find flows... View details Delete Edit Copy to new flow Create flow

Flow name Flow status Source Destination Trigger Date crea... Created by Last run

<a href="#">billing_document_header</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:46
<a href="#">billing_document_item</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:45
<a href="#">company_code</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:10
<a href="#">cost_center</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:11
<a href="#">customer_attr</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:46
<a href="#">customer_text</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:11
<a href="#">delivery_header</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:47
<a href="#">delivery_item</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 11:46
<a href="#">distr_chan_text</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:11
<a href="#">division_text</a>	Active	SAP OData	Amazon S3	Scheduled	April 10, 2025	-	April 10, 2025, 10:12

A red arrow points to the "company\_code" row in the table.

us-east-1.console.aws.amazon.com/appflow/home?region=us-east-1#/details/company\_code Verify it's you

aws Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Amazon AppFlow > Flows > company\_code

# company\_code

Actions ▾ Deactivate flow

▶ Flow setup

## Flow details

Flow name <u>company_code</u>	Source name SAP OData	Destination name Amazon S3	Status <span style="color: green;">✓ Active</span>
Flow description Pull data from SAP and saves into S3 for Company Code 0COMP_CODE_TEXT	Source object <code>/sap/opu/odata/SAP/ZCOMP_CODE_SRV/EntityOf0COMP_CODE_TEXT</code>	Destination bucket <code>s3://acc-sap-corpmem-715283652823/source/company_code/</code>	Trigger -
AWS KMS key <u>AWS managed key</u>	Source connection <code>sap-connection-715283652823</code>	Select another connection	Last run April 10, 2025, 10:10
Date created April 10, 2025, 10:08			Schema version 1
			Run metrics <a href="#">CloudWatch metrics</a>

▼ File format settings

Written data format  
JSON format

File name format  
Add a timestamp to the file name



us-east-1.console.aws.amazon.com/appflow/home?region=us-east-1#/details/company\_code

aws Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

CloudWatch metrics

File format settings

Written data format File name format  
JSON format Add a timestamp to the file name

Data field settings ← Selection and aggregation settings Filters Tags Run history

Field mappings (5) Info Edit data fields

Filter fields by name or formula < 1 > ⚙️

Source field name	Destination field name	Formula	Data modifications
BUKRS	BUKRS	-	-
LANGU	LANGU	-	-
ODQ_CHANGE MODE	ODQ_CHANGE MODE	-	-
ODQ_ENTITYCNTR	ODQ_ENTITYCNTR	-	-
TXTMD	TXTMD	-	-

Validations (0) Edit validations

Verify it's you

File format settings

Written data format File name format  
JSON format Add a timestamp to the file name

Data field settings ← Selection and aggregation settings Filters Tags Run history

Field mappings (5) Info Edit data fields

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Source field name	Destination field name	Formula	Data modifications
BUKRS	BUKRS	-	-
LANGU	LANGU	-	-
ODQ_CHANGE MODE	ODQ_CHANGE MODE	-	-
ODQ_ENTITYCNTR	ODQ_ENTITYCNTR	-	-
TXTMD	TXTMD	-	-

Validations (0) Edit validations

us-east-1.console.aws.amazon.com/appflow/home?region=us-east-1#/details/company\_code

aws Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Flow Name	Source Name	Destination Name	Status
company_code	SAP OData	Amazon S3	Active
Flow description	Source object	Destination bucket	Trigger
Pull data from SAP and saves into S3 for Company Code 0COMP_CODE_TEXT	/sap/opu/odata/SAP/ZCOMP_CODE_SRV/EntityOf0COMP_CODE_TEXT	s3://acc-sap-corpmem-715283652823/source/company_code/	-
AWS KMS key	Source connection	Last run	April 10, 2025, 10:10
AWS managed key	sap-connection-715283652823	Schema version	1
Date created	Select another connection	Run metrics	CloudWatch metrics
April 10, 2025, 10:08			

▼ File format settings

Written data format	File name format
JSON format	Add a timestamp to the file name

Data field settings Partition and aggregation settings Filters Tags Run history

Run history (1) Info Cancel selected flow run C

Filter run history < 1 > ⚙️

Execution ID	Run status	Last run	Transfer size	Records processed	Message
3bb6da5b-03d9-37aa-9863-acd6b46a610f	Success	April 10, 2025, 10:10	6.744 KB	68	-

Verify it's you

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## Query extracted SAP data in Amazon Redshift

From a storage, propagation, and data mart perspective, we are using Amazon Redshift. Automated scripts were used to create schemas (staging, data mart, and architected data mart) and deploy DDLs with the appropriate structure needed to load SAP procurement data.

By using 'COPY commands, the SAP procurement data extracted to Amazon S3 bucket was loaded to Amazon Redshift.

In Amazon Redshift, stored procedures were used to move data within Redshift and generate appropriate entries in Data Mart schemas.

In this task you will query extracted SAP data in Amazon Redshift.

1. From the AWS console navigate to Amazon Redshift by clicking the URL link <https://us-east-1.console.aws.amazon.com/redshiftv2/home?region=us-east-1>

Click on the cluster name **sap-fabric-cluster-[AWSAccountID]** to review Amazon Redshift tables and materialized views for SAP data.

**Amazon Redshift** > Provisioned clusters dashboard

**Provisioned clusters dashboard** Info

**Resources overview**  
Resource data for US East (N. Virginia) Region.

Total nodes	On-demand nodes	Reserved nodes	Reserved nodes available (0 of 0 used)	Automat
2	2	0	0	3

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab02-review/redshift-query

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Click on the cluster name **sap-fabric-cluster-[AWSAccountID]** to review Amazon Redshift tabs.

Amazon Redshift > Provisioned clusters dashboard

Provisioned clusters dashboard Info

Resources overview

Resource data for US East (N. Virginia) Region.

Total nodes	On-demand nodes	Reserved nodes
2	2	0

Open Link in New Tab

Open Link in New Window

Open Link in Incognito Window

Save Link As...

Copy Link Address

Copy

Copy Link to Highlight

Print...

Translate Selection to 中文 (繁體)

Inspect

Speech

Services

Automat

3

Verify it's you

us-east-1.console.aws.amazon.com/redshiftv2/home?region=us-east-1#/dashboard

Verify it's you

aws Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Amazon Redshift > Provisioned clusters dashboard

# Provisioned clusters dashboard

Try Amazon Redshift Serverless Purchase reserved nodes Create cluster

## Resources overview

Resource data for US East (N. Virginia) Region.

Total nodes	On-demand nodes	Reserved nodes	Reserved nodes available (0 of 0 used)	Automated snapshots	Manual snapshots
2	2	0	0	2	0

## Cluster overview (1)

Any Status ▾

Cluster	Status	Average query duration ▾	Average number of queries run daily
sap-fabric-cluster-715283652823	available		

[View all clusters](#)

## Dashboards

Authorize other AWS accounts to access dashboards created in this AWS account. Associate or decline dashboards from other AWS accounts.

Require authorization: 0

Require association: 0

## Cluster metrics

Any Clusters ▾ Last hour ▾ View in CloudWatch





Services

Search

[Option+S]



United States (N. Virginia)

WSParticipantRole/Participant @ 7152-8365-2823



Amazon Redshift &gt; Clusters &gt; sap-fabric-cluster-715283652823

# sap-fabric-cluster-715283652823

Actions ▾

Edit

Add partner integration

Query data ▾



## General information Info

Cluster identifier sap-fabric-cluster-715283652823	Status <span>Available</span>	Node type ra3.xlplus	Endpoint <a href="#">sap-fabric-cluster-715283652823.c5vqitbrweax.us-east-1.redshift.amazonaws.com:5439/sap_fabric_db</a>
Custom domain name -	Date created April 10, 2025, 10:14 CST	Number of nodes 2	JDBC URL <a href="#">jdbc:redshift://sap-fabric-cluster-715283652823.c5vqitbrweax.us-east-1.redshift.amazonaws.com:5439/sap_fabric_db</a>
Cluster namespace ARN <a href="#">arn:aws:redshift:us-east-1:715283652823:namespace:e7289274-1cf8-4a1e-9e0e-b12e08eea93b</a>	Multi-AZ No	Patch version <a href="#">Patch 188</a>	ODBC URL <a href="#">Driver={Amazon Redshift (x64)};Server=sap-fabric-cluster-715283652823.c5vqitbrweax.us-east-1.redshift.amazonaws.com;Database=sap_fabric_db</a>
Namespace register status <span>Deregistered</span>	Cluster configuration Production	► Total used storage 10.2 GB of 61 TB used (0.02%)	



Services

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Verify it's you

Amazon Redshift &gt; Clusters &gt; sap-fabric-cluster-715283652823

# sap-fabric-cluster-715283652823

Actions ▾

Edit

Add partner integration

Query data ▾

Query in query editor

Query in query editor v2

## General information Info

Cluster identifier sap-fabric-cluster-715283652823	Status <span style="color: green;">✔ Available</span>	Node type ra3.xlplus	Endpoint <a href="#">sap-fabric-cluster-715283652823.c5vqitbrweax.us-east-1.redshift.amazonaws.com:5439/sap_fabric_db</a>
Custom domain name -	Date created April 10, 2025, 10:14 CST	Number of nodes 2	JDBC URL <a href="#">jdbc:redshift://sap-fabric-cluster-715283652823.c5vqitbrweax.us-east-1.redshift.amazonaws.com:5439/sap_fabric_db</a>
Cluster namespace ARN <a href="#">arn:aws:redshift:us-east-1:715283652823:namespace:e7289274-1cf8-4a1e-9e0e-b12e08eea93b</a>	Multi-AZ No	Patch version <a href="#">Patch 188</a>	ODBC URL <a href="#">Driver={Amazon Redshift (x64)};Server=sap-fabric-cluster-715283652823.c5vqitbrweax.us-east-1.redshift.amazonaws.com;Database=sap_fabric_db</a>
Namespace register status <span style="color: red;">⊖ Deregistered</span>	Cluster configuration Production	▶ Total used storage 10.2 GB of 61 TB used (0.02%)	



us-east-1.console.aws.amazon.com/sqlworkbench/home?region=us-east-1#/account/configuration

aws Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

## Configure account

# Configure account

To start using Redshift query editor v2, configure the account.

### AWS KMS encryption

Your data is encrypted by default with a key that AWS owns and manages for you. To choose a different key, customize your encryption settings.

i You can't change the AWS KMS encryption settings after configuring your account. X

Customize encryption settings (advanced)

### S3 bucket - optional

Enter an Amazon S3 path for this account. This path can be used for features such as load data from a local file store. Account users and the S3 bucket must be configured with the proper permissions to secure user's data. [Learn more](#)

S3 URI

s3://bucket[/prefix]

Cancel Configure account ←



Screenshot of the AWS Redshift Query Editor v2 interface.

The top navigation bar shows tabs for "sap-lake-20250410", "Amazon AppFlow - Flow details", "Redshift - Cluster details", and "Editor | Redshift query editor".

The browser address bar displays the URL: `us-east-1.console.aws.amazon.com/sqlworkbench/home?region=us-east-1#/client`.

The AWS Services menu is open, showing "Services" and "Search [Option+S]".

The top right corner shows the region "United States (N. Virginia)" and the user "WSParticipantRole/Participant @ 7152-8365-2823".

The left sidebar menu includes:

- Editor
- Queries (selected)
- Notebooks
- Charts
- History
- Scheduled queries

The main area is titled "Redshift query editor v2" and contains the following controls:

- "Create" and "Load data" buttons.
- A "Run" button with a red arrow pointing to it.
- Checkboxes for "Limit 100", "Explain", and "Isolated session".
- A dropdown for "Cluster or workgroup" and "Database".
- A "Schedule" button.
- A "Filter resources" search bar.
- A message: "Use Ctrl-Space for autocomplete".
- A list of clusters: "sap-fabric-cluster-71528365..." (with a red arrow pointing to it).

us-east-1.console.aws.amazon.com/sqlworkbench/home?region=us-east-1#/client

Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Editor Queries Notebooks Charts History Scheduled queries

Redshift query editor v2

+ Create Load data Filter resources sap-fabric-cluster-7152836... :

Connect to sap-fabric-cluster-715283652823

IAM Identity Center  
Connect to Amazon Redshift with your single sign-on credentials from your identity provider (IdP). Your cluster or workgroup must be enabled for IAM Identity Center.

Other ways to connect [Learn more](#)

Federated user  
The principal tags of your IAM role or user must provide the connection details. You configure these tags in IAM or your identity provider (IdP).

Temporary credentials using a database user name  
The query editor v2 generates a temporary password to connect to the database.

Temporary credentials using your IAM identity  
The query editor v2 generates a temporary password to connect to the database as your IAM identity.

Database user name and password  
Provide a database user and password for the database that you are connecting to. The query editor v2 stores your credentials in AWS Secrets Manager on your behalf.

AWS Secrets Manager  
Choose a secret with credentials that are associated with the cluster or that you created in AWS Secrets Manager. Only secrets tagged with a key starting with 'Redshift' are listed.

Database dev

The database name must be 1-64 characters. Valid characters are lowercase alphanumeric characters.

User name

us-east-1.console.aws.amazon.com/sqlworkbench/home?region=us-east-1#/client

Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Editor Queries Notebooks Charts History Scheduled queries

Redshift query editor v2

+ Create Load data Filter resources > sap-fabric-cluster-715283652823 :

Connect to sap-fabric-cluster-715283652823

IAM Identity Center  
Connect to Amazon Redshift with your single sign-on credentials from your identity provider (IdP). Your cluster or workgroup must be enabled for IAM Identity Center.

Other ways to connect [Learn more](#)

- Federated user  
The principal tags of your IAM role or user must provide the connection details. You configure these tags in IAM or your identity provider (IdP).
- Temporary credentials using a database user name  
The query editor v2 generates a temporary password to connect to the database.
- Temporary credentials using your IAM identity  
The query editor v2 generates a temporary password to connect to the database as your IAM identity.
- Database user name and password   
Provide a database user and password for the database that you are connecting to.  
The query editor v2 stores your credentials in AWS Secrets Manager on your behalf.
- AWS Secrets Manager  
Choose a secret with credentials that are associated with the cluster or that you created in AWS Secrets Manager. Only secrets tagged with a key starting with 'Redshift' are listed.

Database: dev

The database name must be 1-64 characters. Valid characters are lowercase alphanumeric characters.

User name:

Password:

sap-lake-20250410 &lt;

Unlock insights with SAP data lakes  
and Amazon Q in QuickSight

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capabilities

▶ Order To Cash (OTC)

▶ Procure To Pay (P2P)

▶ Record To Report (RTR)

Creating and presenting a data  
story

▶ 4.Modify SAP Data (Optional)

▶ 5.AWS Glue SAP Connector  
(Optional)

▶ AWS account access

▶ Content preferences

Exit event

Copied!

5. You will get a modal popup to configure connection to the cluster, click on **Database user name and password (1)** option, enter database name sap\_fabric\_db  (2), username sapuser  (3), password Sapfb4AWS  (4) and click on **Create connection** (5).

## Connect to sap-fabric-cluster-957215099041

 IAM Identity Center

Connect to Amazon Redshift with your single sign-on credentials from your identity provider (IdP).  
Your cluster or workgroup must be enabled for IAM Identity Center.

 Other ways to connect [Learn more](#)  Federated user

The principal tags of your IAM role or user must provide the connection details. You configure these tags in IAM or your identity provider (IdP).

 Temporary credentials using a database user name

The query editor v2 generates a temporary password to connect to the database.

 Temporary credentials using your IAM identity

The query editor v2 generates a temporary password to connect to the database as your IAM identity.



Screenshot of the AWS Redshift query editor v2 interface showing the "Edit connection" dialog for a specific cluster.

The dialog title is "Edit connection for sap-fabric-cluster-715283652823".

The "Other ways to connect" section is selected, listing the following options:

- IAM Identity Center
- Other ways to connect [Learn more](#)
- Federated user
- Temporary credentials using a database user name
- Temporary credentials using your IAM identity
- Database user name and password
- AWS Secrets Manager

The "Database" field contains "sap\_fabric\_db" and is highlighted with a red arrow pointing to it.

The "User name" and "Password" fields are partially visible below the database field.

The "Password" field has the placeholder text "The password must be 8-64 characters.".

sap-lake-20250410 &lt;

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capabilities

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▶ Procure To Pay (P2P)

▶ Record To Report (RTR)

Creating and presenting a data  
story

▶ 4.Modify SAP Data (Optional)

▶ 5.AWS Glue SAP Connector  
(Optional)

▶ AWS account access

▶ Content preferences

Exit event

5. You will get following popup to config...  
to the cluster, click on **Database user name and password (1)** option, enter database  
sap\_fabric\_db (2), username sapuser (3) password Sapfb4AWS (4) and click on **Create connection** (5).

Copied!



## Connect to sap-fabric-cluster-957215099041

 IAM Identity Center

Connect to Amazon Redshift with your single sign-on credentials from your identity provider (IdP).  
Your cluster or workgroup must be enabled for IAM Identity Center.

 Other ways to connect [Learn more](#)  Federated user

The principal tags of your IAM role or user must provide the connection details. You  
configure these tags in IAM or your identity provider (IdP).

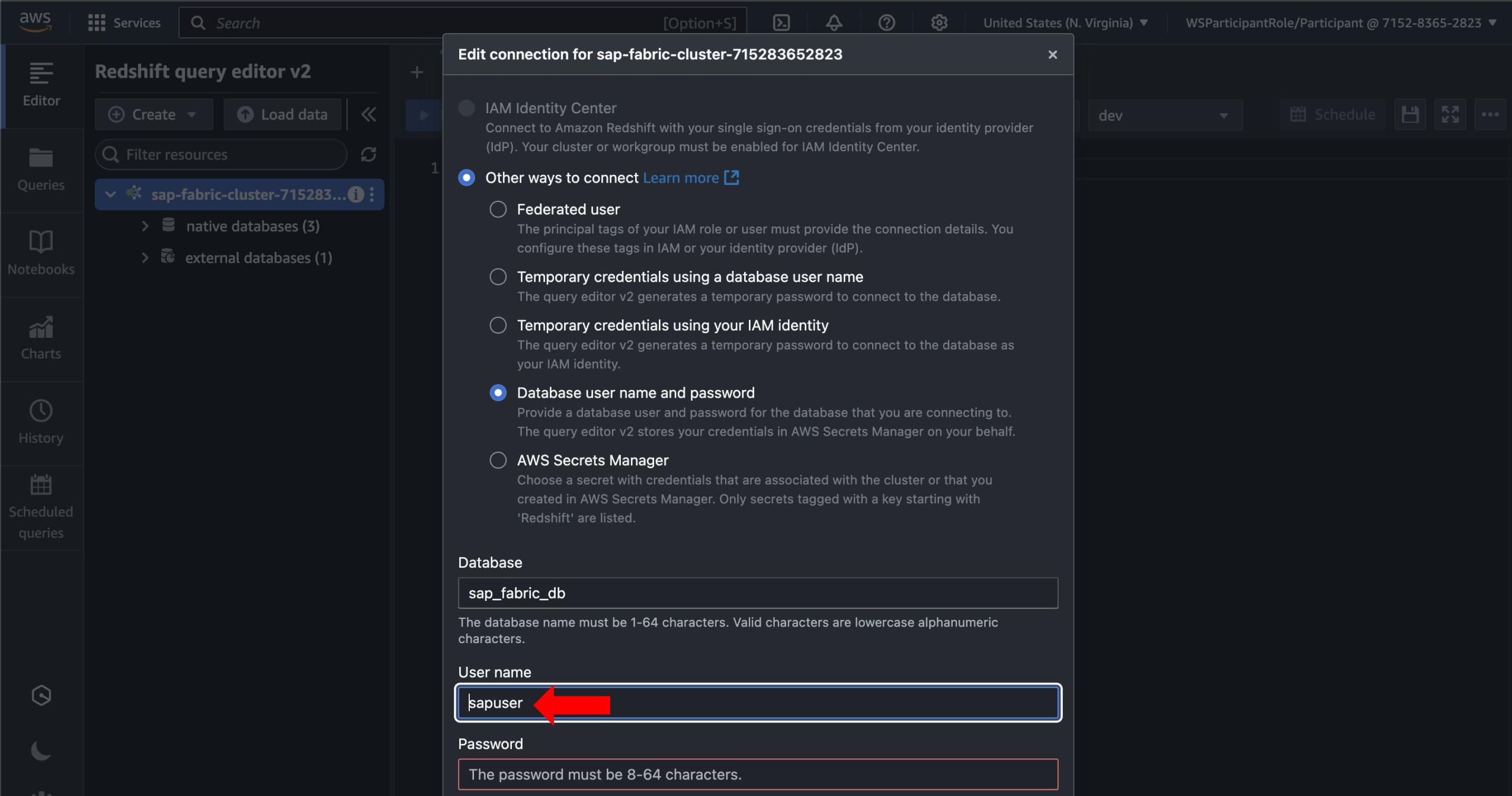
 Temporary credentials using a database user name

The query editor v2 generates a temporary password to connect to the database.

 Temporary credentials using your IAM identity

The query editor v2 generates a temporary password to connect to the database as your IAM  
identity.





sap-lake-20250410 &lt;

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▶ Order To Cash (OTC)

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▶ Record To Report (RTR)

Creating and presenting a data  
story

▶ 4.Modify SAP Data (Optional)

▶ 5.AWS Glue SAP Connector  
(Optional)

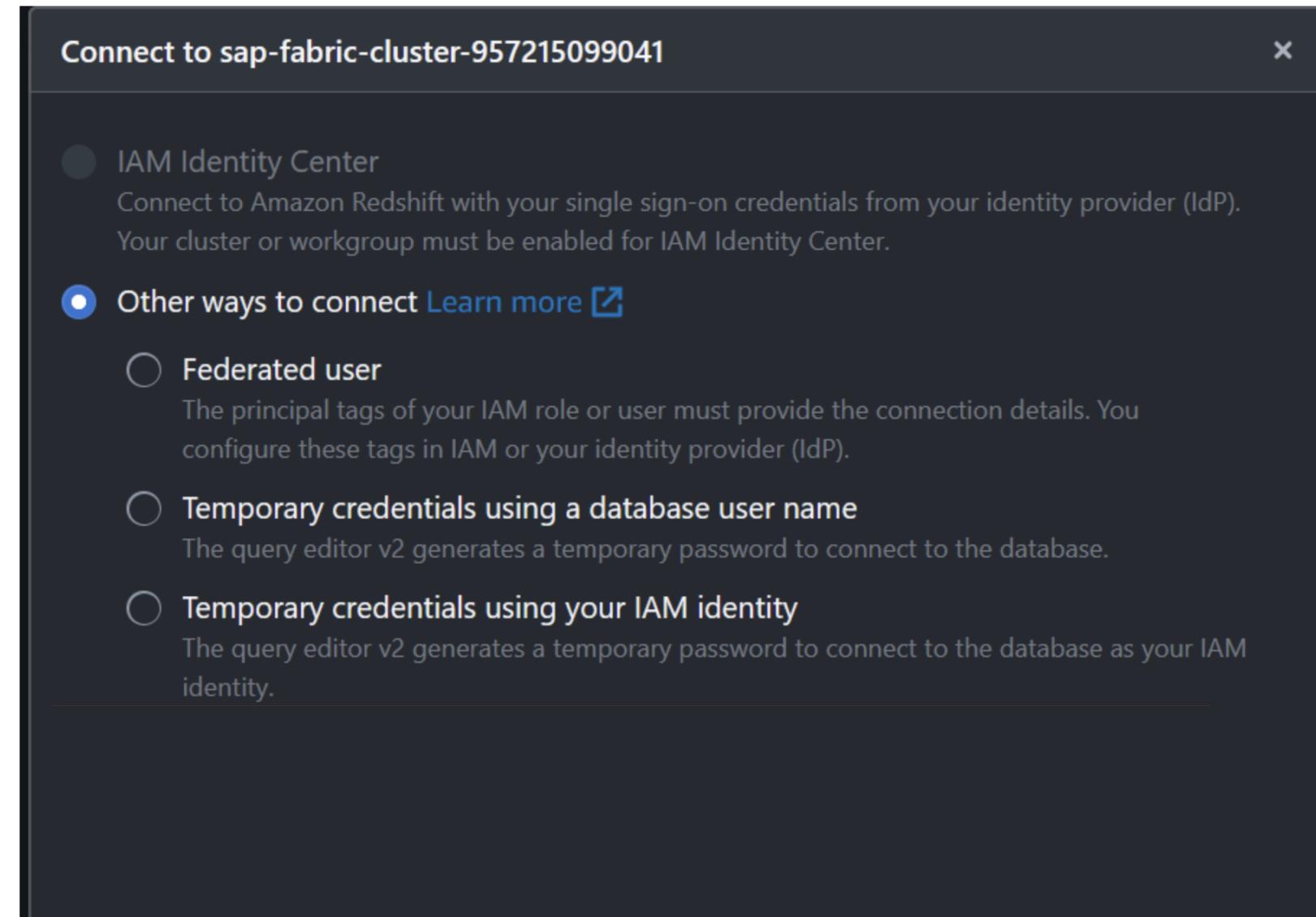
▶ AWS account access

▶ Content preferences

Exit event

5. You will get following popup to configure connection to the cluster, click on **Temporary credentials using a database user name and password (1)** option, enter database sap\_fabric\_db (2), username sapuser (3), password Sapfb4AWS (4) click on **Create connection** (5).

Copied!





Services

Search

[Option+S]



United States (N. Virginia) ▾

WSParticipantRole/Participant @ 7152-8365-2823 ▾

Editor

Queries

Notebooks

Charts

History

Scheduled queries



## Redshift query editor v2

[Create](#) [Load data](#)

Filter resources

sap-fabric-cluster-715283652823

native databases (3)

external databases (1)

## Edit connection for sap-fabric-cluster-715283652823



## IAM Identity Center

Connect to Amazon Redshift with your single sign-on credentials from your identity provider (IdP). Your cluster or workgroup must be enabled for IAM Identity Center.

Other ways to connect [Learn more](#)

## Federated user

The principal tags of your IAM role or user must provide the connection details. You configure these tags in IAM or your identity provider (IdP).

## Temporary credentials using a database user name

The query editor v2 generates a temporary password to connect to the database.

## Temporary credentials using your IAM identity

The query editor v2 generates a temporary password to connect to the database as your IAM identity.

## Database user name and password

Provide a database user and password for the database that you are connecting to. The query editor v2 stores your credentials in AWS Secrets Manager on your behalf.

## AWS Secrets Manager

Choose a secret with credentials that are associated with the cluster or that you created in AWS Secrets Manager. Only secrets tagged with a key starting with 'Redshift' are listed.

## Database

sap\_fabric\_db

The database name must be 1-64 characters. Valid characters are lowercase alphanumeric characters.

## User name

sapuser

## Password

.....|

 Show password

## Redshift query editor v2

[Create](#) [Load data](#)

1

[Filter resources](#)[sap-fabric-cluster-715283...](#)[native databases \(3\)](#)[external databases \(1\)](#)

Connect to Amazon Redshift with your single sign-on credentials from your identity provider (IdP). Your cluster or workgroup must be enabled for IAM Identity Center.

U. Virginia) ▾

WSParticipantRole/Participant @ 7152-8365-2823 ▾

Other ways to connect [Learn more](#) Federated user

The principal tags of your IAM role or user must provide the connection details. You configure these tags in IAM or your identity provider (IdP).

 Temporary credentials using a database user name

The query editor v2 generates a temporary password to connect to the database.

 Temporary credentials using your IAM identity

The query editor v2 generates a temporary password to connect to the database as your IAM identity.

 Database user name and password

Provide a database user and password for the database that you are connecting to. The query editor v2 stores your credentials in AWS Secrets Manager on your behalf.

 AWS Secrets Manager

Choose a secret with credentials that are associated with the cluster or that you created in AWS Secrets Manager. Only secrets tagged with a key starting with 'Redshift' are listed.

## Database

sap\_fabric\_db

The database name must be 1-64 characters. Valid characters are lowercase alphanumeric characters.

## User name

sapuser

## Password

.....|

 Show password

Cancel

Save

Row 1, Col 1, Chr 0

Screenshot of the AWS Redshift Query Editor v2 interface.

The top navigation bar shows tabs for "sap-lake-20250410", "Amazon AppFlow - Flow details", "Redshift - Cluster details", and "Editor | Redshift query editor".

The browser address bar displays the URL: `us-east-1.console.aws.amazon.com/sqlworkbench/home?region=us-east-1#/client`.

The AWS Services menu is open, showing "Editor" as the selected service. Other options include "Services", "Search", "[Option+S]", and "Verify it's you".

The "Editor" sidebar lists categories: "Queries", "Notebooks", "Charts", "History", "Scheduled queries", and "Redshift query editor v2".

The main "Redshift query editor v2" panel shows a successful update message: "You successfully updated sap-fabric-cluster-715283652823. To analyze data, connect to sap-fabric-cluster-715283652823." with a green checkmark icon.

The "Queries" section displays a list of databases:

- sap-fabric-cluster-715283652823** (selected, highlighted in blue)
  - native databases (3) (highlighted with a red arrow)
  - external databases (1)

Below the database list, there is a note: "Use Ctrl-Space for autocomplete".

The top right of the editor includes buttons for "Run", "Schedule", and "dev".

us-east-1.console.aws.amazon.com/sqlworkbench/home?region=us-east-1#/client

aws Services Search [Option+S] United States (N. Virginia) WSPParticipantRole/Participant @ 7152-8365-2823

Editor Queries Notebooks Charts History Scheduled queries

### Redshift query editor v2

+ Untitled 1 x

Run Limit 100 Explain Isolated session sap-fabric-clu... dev

Schedule

Filter resources

Use Ctrl-Space for autocomplete

1

sap-fabric-cluster-715283652823

native databases (3)

- dev
- sample\_data\_dev
- sap\_fabric\_db
  - archdm
    - Tables 0
    - Views 16
      - billing\_document\_header\_latest
      - billing\_document\_item\_latest
      - billingdocs
      - customer\_master\_latest
      - delivery\_item\_latest
      - finance\_line\_items\_latest
      - gl\_line\_items
      - invoicedocs
      - matr\_master\_latest
      - po\_items\_latest
      - purch\_order\_analysis
      - sales\_delivery\_header\_latest

double click

The screenshot shows the AWS Redshift Query Editor interface. On the left, a sidebar lists various AWS services like Editor, Queries, Notebooks, Charts, History, and Scheduled queries. The main area is titled 'Redshift query editor v2' and shows a tree view of database schemas. A red arrow points to the 'po\_items\_latest' table under the 'archdm' folder in the 'sap\_fabric\_db' database. The word 'double click' is overlaid in red text above the arrow. The top navigation bar includes tabs for Run, Limit 100, Explain, Isolated session, and connection details.

us-east-1.console.aws.amazon.com/sqlworkbench/home?region=us-east-1#/client

aws Services Search [Option+S] Untitled 1 Untitled 2 Untitled 3 United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

Editor Queries Notebooks Charts History Scheduled queries

## Redshift query editor v2

Create Load data Filter resources

+ Untitled 1 Untitled 2 Untitled 3 Run Limit 100 Explain Isolated session sap-fabric-clu... sap\_fabric\_db

Schedule

```
1 SELECT * FROM "sap_fabric_db"."archdm"."po_items_latest";
```

A red arrow points to the end of the SQL query line.

AWS Services Search [Option+S] United States (N. Virginia) WSParticipantRole/Participant @ 7152-8365-2823

**Redshift query editor v2**

+ Untitled 1 × Untitled 2 × Untitled 3 ×

Run Limit 100 Explain Isolated session sap-fabric-clu... sap\_fabric\_db

Filter resources Schedule

1 SELECT \* FROM "sap\_fabric\_db"."archdm"."po\_items\_latest";

Row 1, Col 58, Chr 57

Result 1 (100)

	cancel_ind	purchasing_document...	document_type	doc_category	posti
		20181005	NB	F	2018
		20181005	NB	F	2018
		20181005	NB	F	2018
		20181005	NB	F	2018
		20181005	NB	F	2018
		20181005	NB	F	2018
		20181005	NB	F	2018
		20181005	NB	F	2018
		20181005	NB	F	2018
		20171219	NB	F	2017
		20171219	NB	F	2017

Query ID 27387 Elapsed time: 273 ms Total rows: 100

Editor Queries Notebooks Charts History Scheduled queries

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

The screenshot shows the AWS Redshift Query Editor interface. On the left, there's a sidebar with icons for CloudShell, Feedback, and various AWS services like Services, Search, and Redshift. The main area has tabs for Editor, Queries, Notebooks, Charts, History, and Scheduled queries. The Editor tab is active, showing the Redshift query editor v2. In the top bar, there are tabs for Untitled 1, Untitled 2, and Untitled 3, with Untitled 1 currently selected. Below the tabs are buttons for Run (highlighted with a red arrow), Limit 100, Explain, Isolated session, and dropdowns for sap-fabric-cluster and sap\_fabric\_db. A search bar labeled 'Filter resources' and a schedule button are also present. The main content area shows a query: 'SELECT \* FROM "sap\_fabric\_db"."archdm"."po\_items\_latest";'. The results are displayed in a table titled 'Result 1 (100)' with 100 rows. The table has columns: cancel\_ind, purchasing\_document..., document\_type, doc\_category, and posti. The first few rows show values like 20181005, NB, F, and 2018. At the bottom, it says 'Query ID 27387 Elapsed time: 273 ms Total rows: 100'.

← → ⌂ catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab03-dashboard ⌂ ☆ ⌂ ⌂ Verify it's you ⌂

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sap-lake-20250410 <

Unlock insights with SAP data lakes and Amazon Q in QuickSight

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▶ 5.AWS Glue SAP Connector (Optional)

▶ AWS account access

▶ Content preferences

Exit event

[Event dashboard](#) > 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

## 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

In this Lab you will perform the following tasks:

1. Enable Generative BI capabilities for Amazon QuickSight Enterprise + Q
2. Creating Dataset in Amazon QuickSight
3. Create Topic and get insights to the data
4. Create an Analysis on the Topic
5. Create a Dashboard using Generative BI capabilities
6. Publish the Dashboard

[Previous](#) [Next](#)

Verify it's you

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab03-dashboard/otc/lab03-3-dataset

aws workshop studio

michael\_tw\_lin

# Creating a Dataset in Amazon QuickSight

1. Navigate to Amazon QuickSight or search for it under search bar in AWS Console or use direct URL <https://quicksight.console.aws.amazon.com/>.

2. From Amazon QuickSight initial screen, select **Datasets** and then click **New dataset** from up arrow menu.

The screenshot shows the Amazon QuickSight interface. On the left, there's a sidebar with a tree view of workshop contents. The main area shows a dashboard titled "Sales Orders Topic". A context menu is open over the "Datasets" section, with "New dataset" highlighted. Other options in the menu include "Open Link in New Tab", "Open Link in New Window", "Open Link in Incognito Window", "Save Link As...", "Copy Link Address", "Copy", "Copy Link to Highlight", "Print...", "Translate Selection to 中文 (繁體)", "Inspect", "Speech", and "Services".

3. Scroll down to **FROM EXISTING DATA SOURCES** section, and then click **sap-redshift-datasource**

us-east-1.quicksight.aws.amazon.com/sn/start/analyses

QuickSight

Find analyses & more

Analyses

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios New

Analyses

Datasets

Community

Topics

Welcome to QuickSight

Amazon QuickSight lets you easily visualize and analyze your data.

Next

Last updated (newest first)

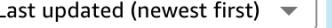
New analysis

A red arrow points from the top right towards the close button on the modal window.

us-east-1.quicksight.aws.amazon.com/sn/start/analyses

QuickSight

Find analyses & more 

Analyses    New analysis

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No analyses

Create an analysis to share your insights.

us-east-1.quicksight.aws.amazon.com/sn/start/data-sets

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Find analyses & more 

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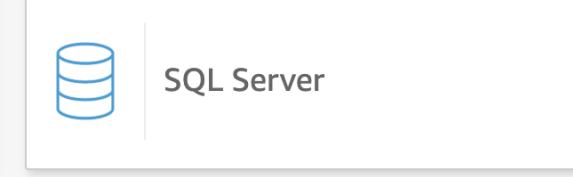
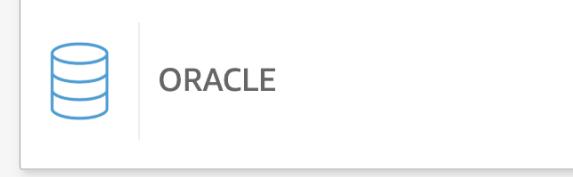
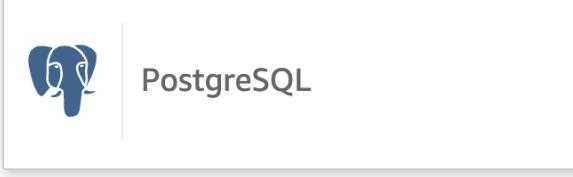
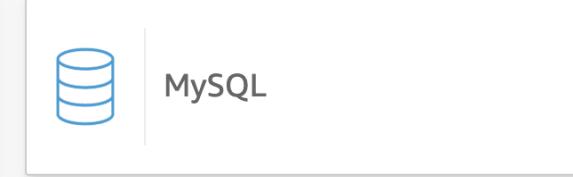
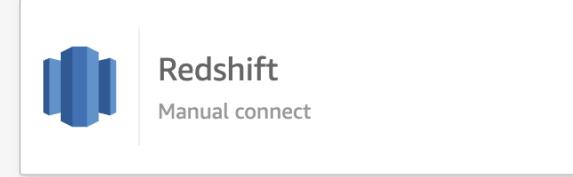
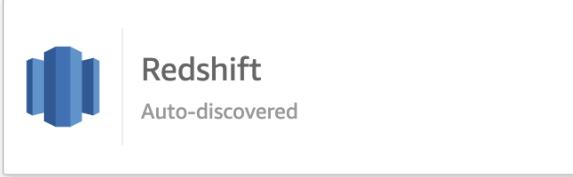
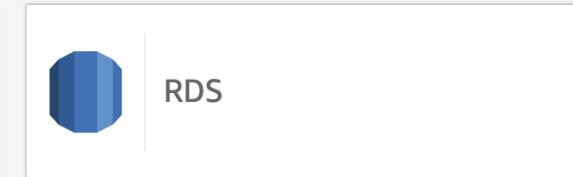
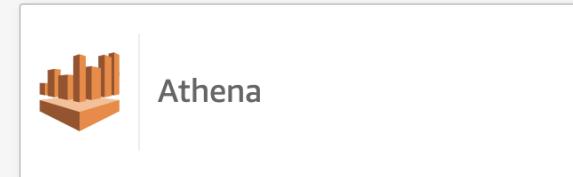
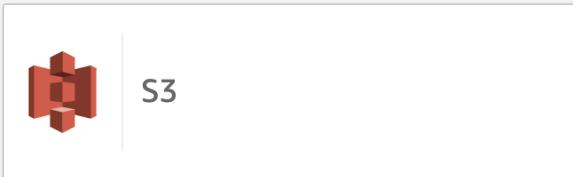
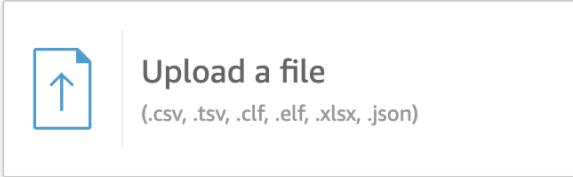
No datasets

Import or create a new dataset to start an analysis.



## Create a Dataset

FROM NEW DATA SOURCES



## Datasets

SPICE capacity for this region: 0 bytes of 10GB



Google BigQuery



AWS IoT Analytics



Amazon OpenSearch Ser...

Successor to Amazon Elasticsearch Ser...



Timestream



Exasol



Databricks



Trino



Starburst



GitHub



Jira



ServiceNow



Adobe Analytics

## FROM EXISTING DATA SOURCES



sap-redshift-datasource

Updated 2 hours ago



us-east-1.quicksight.aws.amazon.com/sn/data-sets/new

QuickSight

Datasets

SPICE capacity for this region: 0 bytes of 10GB

**sap-redshift-datasource**

Database name sap\_fabric\_db

Create dataset

Google BigQuery

Timestream

Trino

Jira

Exasol

Starburst

ServiceNow

Databricks

Github

Adobe Analytics

FROM EXISTING DATA SOURCES

Verify it's you

The screenshot shows the QuickSight interface for creating a new dataset. A modal window titled 'sap-redshift-datasource' is open, displaying the database name 'sap\_fabric\_db'. At the bottom right of the modal is a blue button labeled 'Create dataset', which has a red arrow pointing to it from the right side of the image. The background shows a grid of other data source icons and names, such as Google BigQuery, Timestream, Trino, Jira, Exasol, Starburst, ServiceNow, Databricks, GitHub, and Adobe Analytics. Below the grid, there is a section labeled 'FROM EXISTING DATA SOURCES' with a partially visible icon and text.

us-east-1.quicksight.aws.amazon.com/sn/data-sets/new

QuickSight

Datasets

Google BigQuery

Timestream

Trino

Jira

ServiceNow

Adobe Analytics

FROM EXISTING DATA SOURCES

sap\_redshift\_datasource

Choose your table

sap-redshift-datasource

Schema: contain sets of tables.

Tables: contain the data you can visualize.

Blank

No tables found

Please make another selection.

Edit/Preview data

Use custom SQL

Select

SPICE capacity for this region: 0 bytes of 10GB

Verify it's you



us-east-1.quicksight.aws.amazon.com/sn/data-sets/new

QuickSight

Datasets

Google BigQuery

Timestream

Trino

Jira

ServiceNow

Adobe Analytics

FROM EXISTING DATA SOURCES

sap\_redshift\_datasource

Enter custom SQL query

Type in a SQL query.

New custom SQL

1

Edit/Preview data

Confirm query

SPICE capacity for this region: 0 bytes of 10GB

## sap-lake-20250410 &lt;

Unlock insights with SAP data lakes and Amazon Q in QuickSight

## ▼ 1.Introduction

SAP Environment

## ▼ 2.Review the deployed services

Examine the Amazon AppFlow Flows

Query extracted SAP data in Amazon Redshift

## ▼ 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

## ▼ Order To Cash (OTC)

[Creating a Dataset in Amazon QuickSight](#)

Creating a Topic from this Dataset

Creating a Analysis on this Topic

Creating a Dashboard with Generative BI support

## ▶ AWS account access

## ▶ Content preferences

Exit event

No tables found

Please make another selection.

Edit/Preview data

**Use custom SQL**

Select

Copied!

5. Enter the Sales Orders  name and paste the **SQL code** below in the SQL query box.

 **SELECT**  
sd\_document,sales\_doc\_type, order\_reason, T0\_DATE(record\_created\_on,'YYYY-MM-DD') **as** record\_created\_on, soldto\_party, sales\_office, sal  
sales\_org, distr\_channel, sales\_employee **as** billing\_type, item, material\_group, material, net\_price,  
net\_value\_of\_the\_document\_item\_in\_document\_currency, billto\_party, payer, shipto\_party, customer\_group, number\_of\_order\_items  
**FROM** "sap\_fabric\_db"."archdm"."salesorders"

6. Select **Confirm query**

Enter custom SQL query 

Type in a SQL query.

Sales Orders



us-east-1.quicksight.aws.amazon.com/sn/data-sets/new

QuickSight

Datasets

Google BigQuery

Timestream

Trino

Jira

ServiceNow

Adobe Analytics

Sales Orders

Type in a SQL query.

SPICE capacity for this region: 0 bytes of 10GB

Enter custom SQL query

1

Edit/Preview data

Confirm query

FROM EXISTING DATA SOURCES

sap\_redshift datasource

## sap-lake-20250410 &lt;

Unlock insights with SAP data lakes and Amazon Q in QuickSight

## ▼ 1.Introduction

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[Creating a Dataset in Amazon QuickSight](#)

Creating a Topic from this Dataset

Creating a Analysis on this Topic

Creating a Dashboard with Generative BI support

## ▶ AWS account access

## ▶ Content preferences

Exit event

No tables found

Please make another selection.

Edit/Preview data

Use custom SQL

Select

5. Enter the Sales Orders query name and paste the **SQL code** below in the SQL query box.

✓ Copied!

```
SELECT
sd_document,sales_doc_type, order_reason, T0_DATE(record_created_on,'YYYY-MM-DD') as record_created_on, soldto_party, sales_office, sal
sales_org, distr_channel, sales_employee as billing_type, item, material_group, material, net_price,
net_value_of_the_document_item_in_document_currency, billto_party, payer, shipto_party, customer_group, number_of_order_items
FROM "sap_fabric_db"."archdm"."salesorders"
```



6. Select Confirm query

Enter custom SQL query

Type in a SQL query.

Sales Orders



us-east-1.quicksight.aws.amazon.com/sn/data-sets/new

QuickSight

Datasets

Google BigQuery

Timestream

Trino

Jira

ServiceNow

Adobe Analytics

Sales Orders

```
1 SELECT
2 sd_document,sales_doc_type, order_reason, T0_DATE(record_
3 sales_org, distr_channel, sales_employee as billing_type,
4 net_value_of_the_document_item_in_document_currency, billi
5 FROM "sap_fabric_db"."archdm"."salesorders"
```

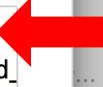
SPICE capacity for this region: 0 bytes of 10GB

Enter custom SQL query

Type in a SQL query.

Edit/Preview data

Confirm query



us-east-1.quicksight.aws.amazon.com/sn/data-sets/new

QuickSight

Datasets

Google BigQuery

Timestream

Trino

Jira

ServiceNow

Adobe Analytics

Sales Orders

```
1 SELECT
2 sd_document,sales_doc_type, order_reason, T0_DATE(record_
3 sales_org, distr_channel, sales_employee as billing_type,
4 net_value_of_the_document_item_in_document_currency, billi
5 FROM "sap_fabric_db"."archdm"."salesorders"
```

Edit/Preview data

Confirm query

SPICE capacity for this region: 0 bytes of 10GB

FROM EXISTING DATA SOURCES

Verify it's you

QuickSight

Datasets



Google BigQuery



Timestream



Trino



Jira

Finish dataset creation

Custom SQL:

Sales Orders

Data source:

sap-redshift-datasource

Import to SPICE for quicker analytics

✓ 10GB available SPICE

Directly query your data

Email owners when a refresh fails

Edit/Preview data

Augment with SageMaker

Visualize

SPICE capacity for this region: 0 bytes of 10GB

FROM EXISTING DATA SOURCES



sap\_redshift\_datasource



Starburst



GitHub



Adobe Analytics



us-east-1.quicksight.aws.amazon.com/sn/analyses/347a430d-a9fe-4c10-b6a2-df5ba44a5a17

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual :

New sheet

Interactive sheet  
Single page, interactive content

Layout: Tiled

Optimize for viewing on: 1600px

Pixel-Perfect report **New**  
Multi-page, highly formatted document

Paper size: US letter - 8.5 x 11 in

Portrait  Landscape

**Pixel-Perfect Reports allows you to build highly formatted multi-page reports. [Get Pixel-Perfect Reports](#)**

**CANCEL** **CREATE**

ACTUAL SIZE ▾ PUBLISH

Data

Dataset: SPICE Sales Orders

Search fields

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
net\_value\_of\_the\_document\_it...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

ADD DATA: Add a dimension or measure

Screenshot of the AWS QuickSight console showing the "Orders analysis" dashboard.

The browser tab bar includes:

- sap-lake-20250410
- Sales Orders analysis
- Amazon AppFlow - Flow details
- Redshift - Cluster details
- Editor | Redshift query editor

The main interface shows:

- QuickSight** (highlighted with a red arrow)
- Orders analysis** (Dashboard title)
- File Edit Data Insert Sheets Objects Search** (Navigation menu)
- Build visual** (Create visual button)
- Sheet 1** (Current sheet)
- Visuals** (Visuals panel)
- Data** (Data panel)
- Import complete: 100% success** (Success message: 7,684 rows were imported to SPICE, 0 rows were skipped)

The **Visuals** panel displays a grid of visualization icons:

- Row 1: Lightning bolt, Up/Down arrow, Gauge, Donut chart.
- Row 2: Pie chart, Bar chart, Stacked bar chart, Stacked bar chart.
- Row 3: Stacked bar chart, Stacked bar chart, Stacked bar chart, Stacked bar chart.
- Row 4: Line chart, Line chart, Line chart, Line chart.
- Row 5: Bar chart, Box plot, Scatter plot, Grid.
- Row 6: Heatmap, Treemap, Bubble chart, Bar chart.
- Row 7: Funnel chart, Waterfall chart, World map, Bar chart.
- Row 8: Map, Network graph, Lightbulb, Cloud.
- Row 9: Map, Network graph, Lightbulb, Cloud.

The **Data** panel lists fields from the **SPICE Sales Orders** dataset:

- billing\_type
- billto\_party
- customer\_group
- distr\_channel
- item
- material
- material\_group
- # net\_price
- # net\_value\_of\_the\_document\_it...
- # number\_of\_order\_items
- order\_reason
- payer
- record\_created\_on
- sales\_doc\_type
- sales\_group
- sales\_office
- sales\_org
- sd\_document

The **Sheet 1** canvas displays the text "AutoGraph" and the instruction "Add 1 or more fields to build a visual." A dashed orange box highlights the "Add a dimension or measure" button.



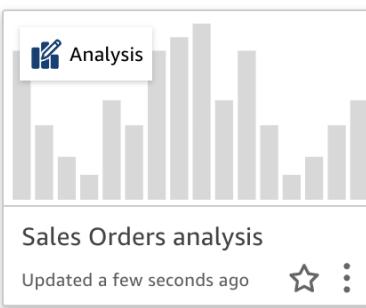
Find analyses &amp; more

## Analyses

Last updated (newest first)



New analysis



Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

 Scenarios New

Analyses

Datasets

Community

Topics

Find analyses &amp; more

## Amazon Q Topics

NEW SAMPLE TOPIC

NEW TOPIC

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

 Scenarios New

Analyses

Datasets

Community

Topics

## Create topic for generative Q&amp;A experience

To introduce the generative Q&A experience for your users, create a new generative topic. Then publish your dashboards with all the new generative capabilities enabled.

[LEARN MORE](#)

## Key features

## AI-generated narrative summary

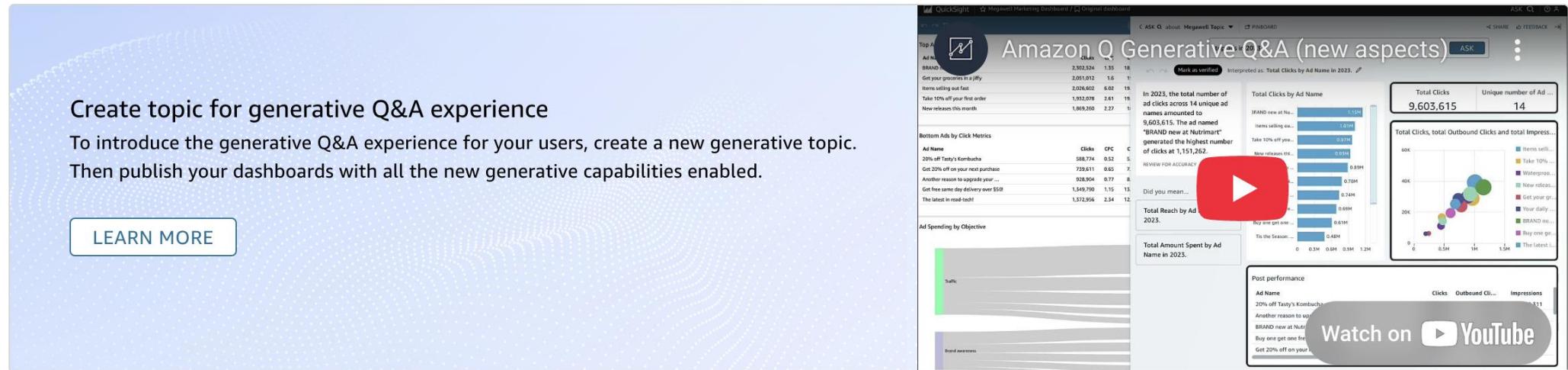
Every answer comes with an AI-generated narrative that highlights key insights. Each key insight is traceable back to a visual in the answer.

## Multiple visuals providing rich, contextual answers

Get the exact answer to your question along with supplemental visuals to add valuable context.

## Easy getting started experience

Kick start the Q&A experience with AI-generated sample questions and automated data previews.



Find analyses &amp; more



## Amazon Q Topics

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios

(New)

Analyses

Datasets

Community

Topics

## New topic



Topic name

Enter a topic title

Maximum length is 100 characters.

Description

Enter a brief description

Maximum length is 256 characters.

 Use new generative Q&A experience. [Learn more](#)

CANCEL

CONTINUE

Get the exact answer to your question along with supplemental visuals to add valuable context.

NEW SAMPLE TOPIC

NEW TOPIC



## Easy getting started experience

Kick start the Q&amp;A experience with AI-generated sample questions and automated data previews.

sap-lake-20250410 &lt;

Unlock insights with SAP data lakes  
and Amazon Q in QuickSight

## ▼ 1.Introduction

SAP Environment

## ▼ 2.Review the deployed services

Examine the Amazon AppFlow  
FlowsQuery extracted SAP data in  
Amazon Redshift▼ 3.Creating an Amazon QuickSight  
dashboard using Generative BI  
capabilities

## ▼ Order To Cash (OTC)

Creating a Dataset in Amazon  
QuickSight[Creating a Topic from this  
Dataset](#)Creating a Analysis on this  
TopicCreating a Dashboard with  
Generative BI support

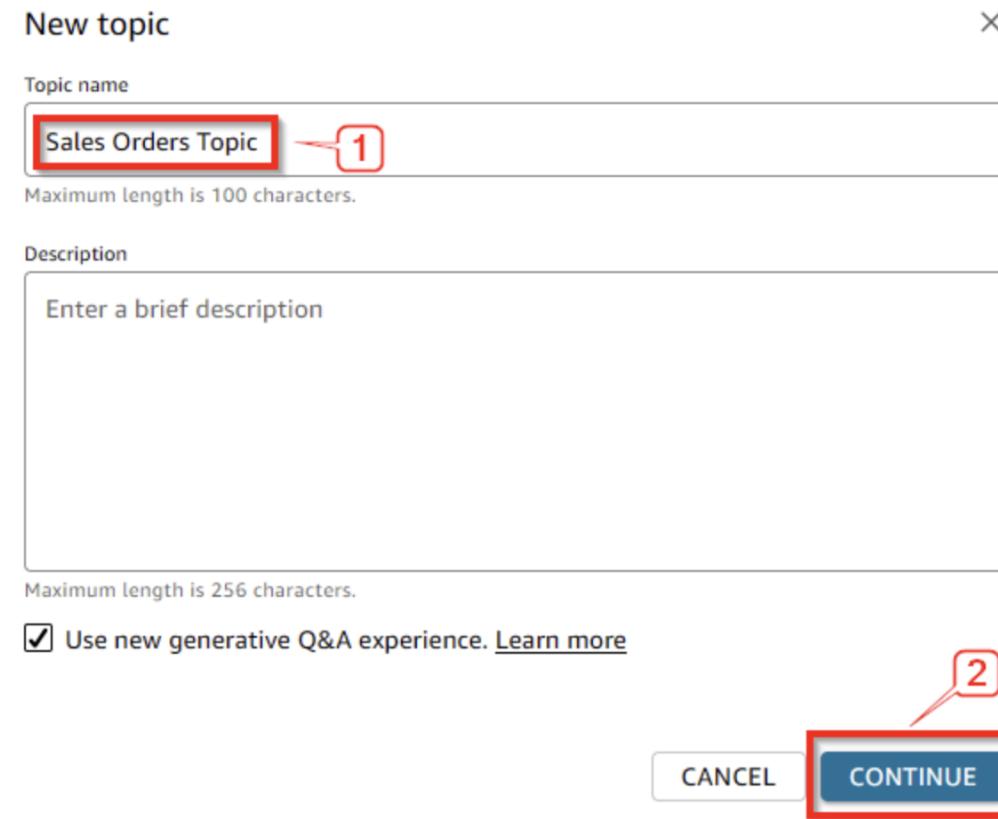
## ▶ AWS account access

## ▶ Content preferences

Exit event

Copied!

2. Under the New topic dialog box, use Sales Orders Topic (1) as topic name and select CONTINUE (2).



3. Under the Select a dataset dialog box, select the previously created dataset Sales Orders (1) and click CREATE (2)



us-east-1.quicksight.aws.amazon.com/sn/start/topics

# Amazon Q Topics

New topic

Topic name

Sales Orders Topic

Maximum length is 100 characters.

Description

Enter a brief description

Maximum length is 256 characters.

Use new generative Q&A experience. [Learn more](#)

CANCEL CONTINUE

Get the exact answer to your question along with supplemental visuals to add valuable context.

Easy getting started experience

Kick start the Q&A experience with AI-generated sample questions and automated data previews.

Find analyses & more

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios

Analyses

Datasets

Community

Topics

NEW SAMPLE TOPIC NEW TOPIC

Watch on YouTube

Find analyses &amp; more



## Amazon Q Topics

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios

New

Analyses

Datasets

Community

Topics

Create topic f  
To introduce the  
Then publish your

LEARN MORE

## Key features

## AI-generated narrative

Every answer comes with highlights key insights. It's easy to jump back to a visual in the answer.

## Select a dataset

Find a dataset

 Sales Orders

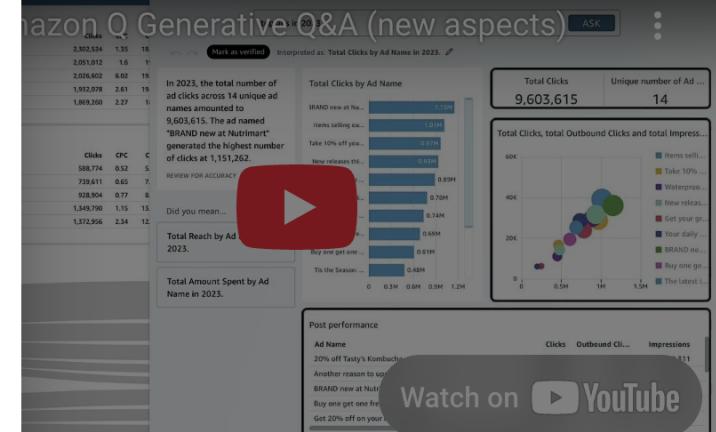
BACK

CREATE

Get started with your first question along with supplemental visuals to add valuable context.

NEW SAMPLE TOPIC

NEW TOPIC



Watch on YouTube

## Easy getting started experience

Kick start the Q&A experience with AI-generated sample questions and automated data previews.

us-east-1.quicksight.aws.amazon.com/sn/start/topics

# Amazon Q Topics

Create topic f  
To introduce the  
Then publish your  
[LEARN MORE](#)

## Key features

AI-generated narrative  
Every answer comes with highlights key insights. It's easy to jump back to a visual in the answer.

## Select a dataset

Find a dataset

Sales Orders 

[BACK](#) [CREATE](#)

Easy getting started experience  
Kick start the Q&A experience with AI-generated sample questions and automated data previews.

[NEW SAMPLE TOPIC](#) [NEW TOPIC](#)

 Watch on [YouTube](#)

Find analyses &amp; more



## Amazon Q Topics

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios

New

Analyses

Datasets

Community

Topics

## Select a dataset

Find a dataset

Sales Orders

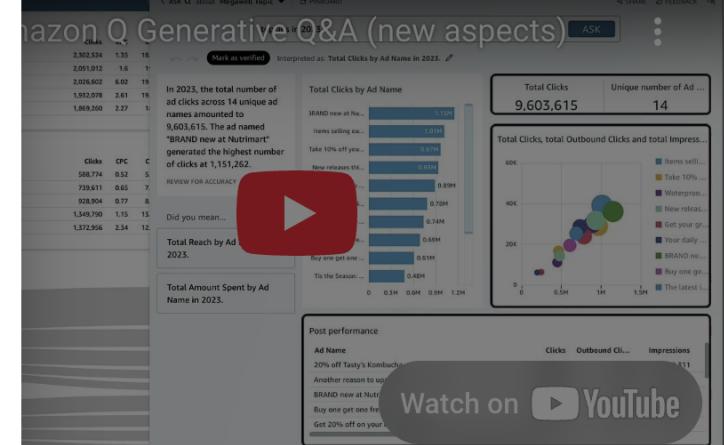


BACK

CREATE

NEW SAMPLE TOPIC

NEW TOPIC



## Easy getting started experience

Get started quickly with sample questions and automated data previews.

## Key features

## AI-generated narrative

Every answer comes with highlights key insights. It's easy to jump back to a visual in the answer.

Get started quickly with sample questions and automated data previews.

supplemental visuals to add valuable context.

Get started quickly with sample questions and automated data previews.

supplemental visuals to add valuable context.

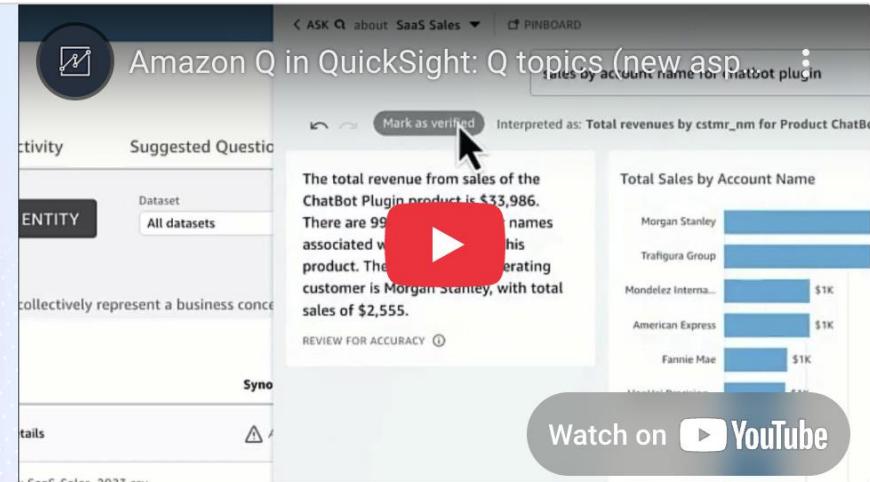
Find analyses & more 

## Amazon Q Topics

Instant multi-visual answers to your data questions

To introduce the generative Q&A experience for your users, create a new generative topic. Then publish your dashboards with all the new generative capabilities enabled.

[LEARN MORE](#) [DISMISS](#)



The total revenue from sales of the ChatBot Plugin product is \$33,986. There are 99 account names associated with this product. The top generating customer is Morgan Stanley, with total sales of \$2,555.

Watch on  YouTube

Name	Owner	Status	Last Modified	Usage	Actions
 Sales Orders Topic	Me	<div style="width: 6%;">6%</div>	6 seconds ago	0 questions  0 	

1-1 of 1  

   Verify it's you  

Screenshot of the Amazon QuickSight interface showing the creation of an Amazon Q Topic.

The browser tabs at the top include: sap-lake-20250410, QuickSight - Analyses, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/start/topics

The main header shows "Amazon Q Topics".

On the left sidebar, under the "Topics" section, there is a modal dialog titled "Amazon Q Topics" with the sub-section "Instant multi-visual answers to your data questions". It contains the text: "To introduce the generative Q&A experience for your users, create a new generative topic. Then publish your dashboards with all the new generative capabilities enabled." with "LEARN MORE" and "DISMISS" buttons.

The main content area displays a dashboard titled "Amazon Q in QuickSight: Q topics (new asp)". The dashboard includes a chart titled "Total Sales by Account Name" showing sales for Morgan Stanley, Trafigura Group, Mondelez Interna..., American Express, and Fannie Mae. A video player with a play button is overlaid on the dashboard.

At the bottom, there is a table listing the "Sales Orders Topic".

Name	Owner	Status	Last Modified	Usage	Actions
Sales Orders Topic	Me	Refreshed a few seconds ago	a few seconds ago	0 questions 0 likes 0 dislikes	

A red arrow points to the "Sales Orders Topic" name in the table.

Page footer: 1-1 of 1

Sap-lake-20250410    QuickSight Q Topics    Amazon AppFlow - Flow details    Redshift - Cluster details    Editor | Redshift query editor

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/summary

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

< All topics

## Sales Orders Topic

OPEN Q&A    SHARE

Summary    Data    User Activity    Suggested Questions

Improve your topic

Review your Topic settings to improve performance!

START REVIEW

### Topic details

Name Sales Orders Topic 

Description -- 

Last modified Apr 10, 2025, 12:20 by Q\_SERVICE\_USER

Last refresh Apr 10, 2025, 12:22 

Allow sharing data stories 

### Statistics



SAP-LAKE-20250410

QuickSight Q Topics

Amazon AppFlow - Flow details

Redshift - Cluster details

Editor | Redshift query editor

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

Verify it's you

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

All topics

# Sales Orders Topic

OPEN Q&A

SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER

Include Friendly name

- Billing Type
- Billto Party
- Customer Group
- Distr Channel
- Item
- Material
- Material Group

Create named entities to enable multi-visual answers

The information contained in named entities, specifically the ordering of fields and their ranking, is what makes it possible to present contextual, multi-visual answers in response to even vague questions.

1/2 DISMISS ALL

NEXT

Filter by: ...

ms

alternate names for field

Details

Dimension

client group X buyer group X consumer group X + distributor channel X + product X + ware X merchandise X stock X + substance group X product group X +

Review your topic for improved Q performance!

START REVIEW

Screenshot of the AWS QuickSight interface showing the "Sales Orders Topic" dataset.

The browser tabs at the top include: sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

The main header shows "QuickSight" and "Sales Orders Topic". A blue bar at the top right says "Ask a question about Sales Orders Topic".

Below the header, there are buttons for "OPEN Q&A" and "SHARE".

The navigation menu includes "All topics" and "Sales Orders Topic".

The "Data" tab is selected, showing the following interface:

- Datasets:** DATA FIELDS (selected), DATASETS, NAMED ENTITY.
- Dataset:** Sales Orders (dropdown).
- Bulk Actions:** ADD CALCULATED FIELD, ADD FILTER.
- Filter by:** All fields (dropdown), Search fields, magnifying glass icon.

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input checked="" type="checkbox"/> Billing Type <span style="color: blue;">edit</span>	invoice type X, billing format X billing method X +	Dimension <span style="float: right;">... ▾</span>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Billto Party <span style="color: blue;">edit</span>	<span style="color: red;">! Add alternate names for field</span> <span style="color: blue;">edit</span>	Dimension <span style="float: right;">... ▾</span>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Customer Group <span style="color: blue;">edit</span>	client group X, buyer group X consumer group X +	Dimension <span style="float: right;">... ▾</span>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Distr Channel <span style="color: blue;">edit</span>	distributor channel X +	Dimension <span style="float: right;">... ▾</span>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Item <span style="color: blue;">edit</span>	product X +	Dimension <span style="float: right;">... ▾</span>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material <span style="color: blue;">edit</span>	ware X, merchandise X, stock X +	Dimension <span style="float: right;">... ▾</span>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material Group <span style="color: blue;">edit</span>	substance group X, product group X +	Dimension <span style="float: right;">... ▾</span>

MAYDAY 五月天 [乾杯 Che ] X MAM301 Unlock insights with +

catalog.us-east-1.prod.workshops.aws/workshops/541dd428-e64a-41da-a9f9-39a7b3ffec17/en-US/lab03-das... ↴ ☆

Verify it's you New Chrome available :

aws workshop studio

Unlock insights with SAP data lakes and Amazon Q in QuickSight

◀

- ▶ 1.Introduction
- ▶ 2.Review the deployed services
- ▼ 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

▼ Order To Cash (OTC)

- Creating a Dataset in Amazon QuickSight
- [Creating a Topic from this Dataset](#)
- Creating a Analysis on this Topic
- Creating a Dashboard with Generative BI support
- Publishing the Dashboard

▶ Procure To Pay (P2P)

▶ Record To Report (RTR)

Creating and presenting a data story

▼ Content preferences

Language

• Exclude **Billto Party** field, as you will only be interested in the Soldto.

• Include **Material Group** field and **\*\*delete\*\*** any existent synonyms by clicking the X marks.

• Into the already included **Material** field, add product  as synonym.

• Into the already included **Net Value Of The Document Item In Document Currency** field, add sales  as synonym.

• Into the already included **Record Create Date** field, add order creation date  synonyms.

• Include **SD Document** field and add sales order  and order number  as synonyms.

• Include **Sold to Party** field and add customer  as synonym.

With the required steps performed, the Orders Topic details view should look like this:

All topics

### Sales Orders Topic

OPEN Q&A SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input type="checkbox"/> Billto Party	Add alternate names for field	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Customer Group	client group X buyer group X consumer group X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Distr Channel	distributor channel X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Item	product X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Material	ware X substance X merchandise X product X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Material Group	Add alternate names for field	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Net Price	sales price X selling price X cost X +	Measure
<input type="checkbox"/>	<input type="checkbox"/> Net Value Of The Document Item In Document Currency	sales X +	Measure

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic

Indexing Dataset  
Q is indexing your data fields, they will not be available for questions until indexing is complete. Meanwhile, you can review and edit field settings in data tab or monitor status here

<All topics

## Sales Orders Topic

OPEN Q&A SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY

Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Material Group	substance group X product group X +	Dimension
<input type="checkbox"/>	Net Price	selling price X cost X final price X +	Measure
<input type="checkbox"/>	# Net Value Of The Document Item In Document Currency	⚠ Add alternate names for field +	Measure
<input type="checkbox"/>	# Number Of Order Items	⚠ Add alternate names for field +	Measure
<input type="checkbox"/>	Order Reason	purchase reason X +	Dimension
<input type="checkbox"/>	Payer	payment X +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic Topic metadata updated successfully

Indexing Dataset  
Q is indexing your data fields, they will not be available for questions until indexing is complete. Meanwhile, you can review and edit field settings in data tab or monitor status here

<All topics

## Sales Orders Topic

OPEN Q&A SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY

Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material Group	<span>⚠ Add alternate names for field</span>	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Net Price	selling price X cost X final price X +	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Net Value Of The Document Item In Document Currency	<span>⚠ Add alternate names for field</span>	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Number Of Order Items	<span>⚠ Add alternate names for field</span>	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Order Reason	purchase reason X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Payment	payment X +	Dimension

- Exclude **Billto Party** field, as you will only be interested in **Soldto**.
- Include **Material Group** field and \*\*delete\*\* all synonyms by clicking the X marks.
- Into the already included **Material** field, add **product** as synonym.
- Into the already included **Net Value Of The Document Item In Document Currency** field, add **sales** as synonym.
- Into the already included **Record Create Date** field, add **order creation date** as synonyms.
- Include **SD Document** field and add **sales order** and **order number** as synonyms.
- Include **Sold to Party** field and add **customer** as synonym.

With the required steps performed, the Orders Topic details view should look like this:

All topics

## Sales Orders Topic

OPEN Q

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Billto Party	Add alternate names for field	Dimension
<input type="checkbox"/>	Customer Group	client group X buyer group X consumer group X +	Dimension
<input type="checkbox"/>	Distr Channel	distributor channel X +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

< All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material <span>edit</span>	ware X merchandise X stock X	Dimension

Field name: material Field type: Attribute Need help understanding these settings? [Learn more](#)

Description

Role: Dimension Default aggregation: - Select - Not allowed aggregations: - Select -

Semantic Type: - Select - Semantic sub-type: - Select - Format: - Select -

Value Preview

- AVC\_RBT\_BUNDLE
- AVC\_RBT\_ROBOT
- AVC\_RBT\_ROBOT2
- CM-FL-V00
- CM-FL-V00-3P
- CM-FL-V01
- CM-MLFL-KM-VXX

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

< All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material	ware X merchandise X stock X product	Dimension

Field name: material Field type: Attribute Need help understanding these settings? [Learn more](#)

Description

Role: Dimension Default aggregation: - Select - Not allowed aggregations: - Select -

Semantic Type: - Select - Semantic sub-type: - Select - Format: - Select -

Value Preview

- AVC\_RBT\_BUNDLE
- AVC\_RBT\_ROBOT
- AVC\_RBT\_ROBOT2
- CM-FL-V00
- CM-FL-V00-3P
- CM-FL-V01
- CM-MLFL-KM-VXX

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

< All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material <span>edit</span>	ware X merchandise X stock X product X +	Dimension <span>⋮</span>

Field name: material Field type: Attribute Need help understanding these settings? [Learn more](#)

Description

Role Dimension Default aggregation - Select - Not allowed aggregations - Select -

Semantic Type - Select - Semantic sub-type - Select - Format - Select -

Value Preview

- AVC\_RBT\_BUNDLE
- AVC\_RBT\_ROBOT
- AVC\_RBT\_ROBOT2
- CM-FL-V00
- CM-FL-V00-3P
- CM-FL-V01
- CM-MI\_EI-KM-VXX

MAYDAY 五月天 [乾杯 Che ] X MAM301 Unlock insights with +

catalog.us-east-1.prod.workshops.aws/workshops/541dd428-e64a-41da-a9f9-39a7b3ffec17/en-US/lab03-das... ↴ ☆

Verify it's you New Chrome available :

aws workshop studio

Unlock insights with SAP data lakes and Amazon Q in QuickSight

◀

- ▶ 1.Introduction
- ▶ 2.Review the deployed services
- ▼ 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

▼ Order To Cash (OTC)

- Creating a Dataset in Amazon QuickSight
- [Creating a Topic from this Dataset](#)
- Creating a Analysis on this Topic
- Creating a Dashboard with Generative BI support
- Publishing the Dashboard

▶ Procure To Pay (P2P)

▶ Record To Report (RTR)

Creating and presenting a data story

▼ Content preferences

Language

• Exclude **Billto Party** field, as you will only be interested in the Soldto.

• Include **Material Group** field and \*\*delete\*\* any existent synonyms by clicking the X marks.

• Into the already included **Material** field, add product  as synonym.

• Into the already included **Net Value Of The Document Item In Document Currency** field, add sales  as synonym.

• Into the already included **Record Create Date** field, add order creation date  synonyms.

• Include **SD Document** field and add sales order  and order number  as synonyms.

• Include **Sold to Party** field and add customer  as synonym.

Copied!

With the required steps performed, the Orders Topic details view should look like this:

All topics

### Sales Orders Topic

OPEN Q&A SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input type="checkbox"/> Billto Party	Add alternate names for field	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Customer Group	client group X buyer group X consumer group X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Distr Channel	distributor channel X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Item	product X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Material	ware X substance X merchandise X product X +	Dimension
<input type="checkbox"/>	<input type="checkbox"/> Material Group	Add alternate names for field	Dimension
<input type="checkbox"/>	# Net Price	sales price X selling price X cost X +	Measure
<input type="checkbox"/>	# Net Value Of The Document Item In Document Currency	sales X +	Measure

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

< All topics

## Sales Orders Topic

OPEN Q&A SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY

Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material <span>edit</span>	ware X merchandise X stock X product X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material Group <span>edit</span>	⚠ Add alternate names for field <span>edit</span>	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Net Price <span>edit</span>	selling price X cost X final price X +	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Net Value Of The Document Item In Document Currency <span>edit</span>		Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Number Of Order Items <span>edit</span>	⚠ Add alternate names for field <span>edit</span>	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Order Reason <span>edit</span>	purchase reason X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Payer <span>edit</span>	payment X +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

< All topics

## Sales Orders Topic

OPEN Q&A SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY

Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material	ware X merchandise X stock X product X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material Group	⚠ Add alternate names for field	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Net Price	selling price X cost X final price X +	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Net Value Of The Document Item In Document Currency	sales	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Number Of Order Items	⚠ Add alternate names for field	Measure
<input type="checkbox"/>	<input checked="" type="checkbox"/> Order Reason	purchase reason X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Payer	payment X +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	# Net Value Of The Document Item In Document Currency	sales X +	Measure
<input type="checkbox"/>	# Number Of Order Items	⚠ Add alternate names for field	Measure
<input type="checkbox"/>	Order Reason	purchase reason X +	Dimension
<input type="checkbox"/>	Payer	payment X +	Dimension
<input type="checkbox"/>	Record Created On	register created on X +	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension
<input type="checkbox"/>	Sales Group	⚠ Add alternate names for field	Dimension

- Exclude **Billto Party** field, as you will only be interested in the Soldto.
- Include **Material Group** field and \*\*delete\*\* any existent synonyms by clicking the X marks.
- Into the already included **Material** field, add product  as synonym.
- Into the already included **Net Value Of The Document Item In Document**, add sales  as synonym.
- Into the already included **Record Create Date** field, add order creation date  synonyms.
- Include **SD Document** field and add sales order  and order number  as synonyms.
- Include **Sold to Party** field and add customer  as synonym.

Copied!

With the required steps performed, the Orders Topic details view should look like this:

All topics

## Sales Orders Topic

OPEN Q

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Billto Party	Add alternate names for field	Dimension
<input type="checkbox"/>	Customer Group	client group X buyer group X consumer group X +	Dimension
<input type="checkbox"/>	Distr Channel	distributor channel X +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

< All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	# Net Price	selling price X cost X final price X +	Measure
<input type="checkbox"/>	# Net Value Of The Document Item In Document Currency	sales X +	Measure
<input type="checkbox"/>	# Number Of Order Items	⚠ Add alternate names for field	Measure
<input type="checkbox"/>	Order Reason	purchase reason X +	Dimension
<input type="checkbox"/>	Payer	payment X +	Dimension
<input type="checkbox"/>	Record Created On	register created on X	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	# Net Price	selling price X cost X final price X +	Measure
<input type="checkbox"/>	# Net Value Of The Document Item In Document Currency	sales X +	Measure
<input type="checkbox"/>	# Number Of Order Items	⚠ Add alternate names for field	Measure
<input type="checkbox"/>	Order Reason	purchase reason X +	Dimension
<input type="checkbox"/>	Payer	payment X +	Dimension
<input type="checkbox"/>	Record Created On	register created on X order creation date	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension

Screenshot of the Amazon QuickSight interface showing the "Sales Orders Topic" page.

The browser tabs at the top include: sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

The main header shows "QuickSight | Sales Orders Topic" and a message "Topic metadata updated successfully".

Below the header, there are buttons for "OPEN Q&A" and "SHARE".

The page title is "Sales Orders Topic".

The navigation tabs are: Summary, Data (selected), User Activity, and Suggested Questions.

The "Data" tab section includes:

- Dataset dropdown set to "Sales Orders".
- Bulk actions buttons: ADD CALCULATED FIELD, ADD FILTER.
- Filter by: All fields dropdown and Search fields input.

The main content area displays a list of data fields:

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	# Net Price <span>edit</span>	selling price X cost X final price X +	Measure
<input type="checkbox"/>	# Net Value Of The Document Item In Document Currency <span>edit</span>	sales X +	Measure
<input type="checkbox"/>	# Number Of Order Items <span>edit</span>	⚠ Add alternate names for field <span>edit</span>	Measure
<input type="checkbox"/>	Order Reason <span>edit</span>	purchase reason X +	Dimension
<input type="checkbox"/>	Payer <span>edit</span>	payment X +	Dimension
<input type="checkbox"/>	Record Created On <span>edit</span>	register created on X order creation date X +	Dimension, Date
<input type="checkbox"/>	Sales Doc Type <span>edit</span>	sales document type X sales memo type X document type X +	Dimension

- Exclude **Billto Party** field, as you will only be interested in the Soldto.
- Include **Material Group** field and \*\*delete\*\* any existent synonyms by clicking the X marks.
- Into the already included **Material** field, add **product**  as synonym.
- Into the already included **Net Value Of The Document Item In Doc** field, add **sales**  as synonym.
- Into the already included **Record Create Date** field, add **order create date**  as synonyms.
- Include **SD Document** field and add **sales order**  and **order number**  as synonyms.
- Include **Sold to Party** field and add **customer**  as synonym.

With the required steps performed, the Orders Topic details view should look like this:

All topics

## Sales Orders Topic

OPEN Q

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Billto Party <input type="checkbox"/>	Add alternate names for field <input type="checkbox"/>	Dimension
<input type="checkbox"/>	Customer Group <input type="checkbox"/>	client group <input type="checkbox"/> buyer group <input type="checkbox"/> consumer group <input type="checkbox"/> +	Dimension
<input type="checkbox"/>	Distr Channel <input type="checkbox"/>	distributor channel <input type="checkbox"/> +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

< All topics

## Sales Orders Topic

OPEN Q&A SHARE

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY

Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Record Created On	register created on X order creation date X +	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension
<input type="checkbox"/>	Sales Group	⚠ Add alternate names for field	Dimension
<input type="checkbox"/>	Sales Office	service office X sales shop X +	Dimension
<input type="checkbox"/>	Sales Org	sales organisation X sales organization X +	Dimension
<input type="checkbox"/>	Sd Document	sd record X	Dimension
<input type="checkbox"/>	Shipto Party	shipto bash X +	Dimension

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Record Created On	register created on X order creation date X +	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension
<input type="checkbox"/>	Sales Group	⚠ Add alternate names for field	Dimension
<input type="checkbox"/>	Sales Office	service office X sales shop X +	Dimension
<input type="checkbox"/>	Sales Org	sales organisation X sales organization X +	Dimension
<input type="checkbox"/>	Sd Document	sd record X order number +	Dimension
<input type="checkbox"/>	Shipto Party	shipto bash X +	Dimension

Screenshot of the AWS QuickSight console showing the "Sales Orders Topic" page.

The browser tabs at the top include: sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

The main header shows "QuickSight" and "Sales Orders Topic". A success message "Topic metadata updated successfully" is displayed.

Below the header, there are buttons for "Ask a question about Sales Orders Topic", "OPEN Q&A", and "SHARE".

The page title is "Sales Orders Topic".

The navigation tabs are: Summary, Data (selected), User Activity, and Suggested Questions.

The "Data" tab has three sub-tabs: DATASETS, DATA FIELDS (selected), and NAMED ENTITY.

The "Dataset" dropdown is set to "Sales Orders".

Below the tabs are buttons for "BULK ACTIONS", "ADD CALCULATED FIELD", and "ADD FILTER". To the right are "Filter by: All fields" and a "Search fields" input field.

The main content area displays a table of data fields:

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Record Created On	register created on X order creation date X +	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension
<input type="checkbox"/>	Sales Group	<span style="color: red;">⚠ Add alternate names for field</span>	Dimension
<input type="checkbox"/>	Sales Office	service office X sales shop X +	Dimension
<input type="checkbox"/>	Sales Org	sales organisation X sales organization X +	Dimension
<input type="checkbox"/>	Sd Document	sd record X order number X +	Dimension
<input type="checkbox"/>	Shipto Party	shipto bash X +	Dimension

- Exclude **Billto Party** field, as you will only be interested in the Soldto.
- Include **Material Group** field and \*\*delete\*\* any existent synonyms by clicking the X marks.
- Into the already included **Material** field, add **product**  as synonym.
- Into the already included **Net Value Of The Item** field, add **In Document Currency**  as synonym.
- Into the already included **Record Create Date** field, add **sales order creation date**  as synonym.
- Include **SD Document** field and add **sales order**  and **order number**  as synonyms.
- Include **Sold to Party** field and add **customer**  as synonym.

With the required steps performed, the Orders Topic details view should look like this:

All topics

## Sales Orders Topic

OPEN Q

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Billto Party <input type="checkbox"/>	Add alternate names for field <input type="checkbox"/>	Dimension
<input type="checkbox"/>	Customer Group <input type="checkbox"/>	client group <input type="checkbox"/> buyer group <input type="checkbox"/> consumer group <input type="checkbox"/> +	Dimension
<input type="checkbox"/>	Distr Channel <input type="checkbox"/>	distributor channel <input type="checkbox"/> +	Dimension

Screenshot of the AWS QuickSight interface showing the "Sales Orders Topic" dataset details.

The browser tabs at the top include: sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow detail, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

The main header shows "QuickSight" and "Sales Orders Topic". A button "Ask a question about Sales Orders Topic" is present.

Navigation links include "All topics", "OPEN Q&A", and "SHARE".

The "Data" tab is selected, showing the following details:

- Datasets:** Sales Orders
- Data Fields:** Record Created On, Sales Doc Type, Sales Group, Sales Office, Sales Org, Sd Document, Shipto Party.
- Friendly name:** Record Created On, Sales Doc Type, Sales Group, Sales Office, Sales Org, Sd Document, Shipto Party.
- Synonyms:** register created on, order creation date, sales document type, sales memo type, document type, Add alternate names for field, service office, sales shop, sales organisation, sales organization, sd record, order number, shipto bash.
- Details:** Dimension, Date, Dimension, Dimension, Dimension, Dimension, Dimension, Dimension.

Bulk actions, add calculated field, add filter, filter by, and search fields buttons are also visible.

Screenshot of the QuickSight console showing the "Sales Orders Topic" page.

The browser tabs at the top include: sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

The main header shows "QuickSight" and "Sales Orders Topic". A button "Ask a question about Sales Orders Topic" is present.

The page title is "Sales Orders Topic".

The navigation tabs are: Summary, Data (selected), User Activity, and Suggested Questions.

The "Data" tab section includes:

- Datasets: Sales Orders
- Data Fields: DATA FIELDS (selected), ADD CALCULATED FIELD, ADD FILTER
- NAMED ENTITY (highlighted with a yellow circle)
- Dataset dropdown: Sales Orders
- Bulk Actions
- Filter by: All fields, Search fields, and a magnifying glass icon.

The main content area displays a table of data fields:

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Record Created On	register created on X order creation date X +	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension
<input type="checkbox"/>	Sales Group	<span style="color: red;">⚠ Add alternate names for field</span>	Dimension
<input type="checkbox"/>	Sales Office	service office X sales shop X +	Dimension
<input type="checkbox"/>	Sales Org	sales organisation X sales organization X +	Dimension
<input type="checkbox"/>	Sd Document	sd record X order number X sales order	Dimension
<input type="checkbox"/>	Shipto Party	shipto bash X +	Dimension

Screenshot of the AWS QuickSight console showing the "Sales Orders Topic" page.

The browser tabs at the top include: sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

The main header shows "QuickSight | Sales Orders Topic" and a success message: "Topic metadata updated successfully".

Below the header, there are buttons for "Ask a question about Sales Orders Topic" and "OPEN Q&A" (which is highlighted).

The page title is "Sales Orders Topic".

The navigation tabs are: Summary, Data (which is selected), User Activity, and Suggested Questions.

The "Data" tab has three sub-tabs: DATASETS, DATA FIELDS (which is selected), and NAMED ENTITY.

The "Dataset" dropdown is set to "Sales Orders".

Below the tabs are buttons for "BULK ACTIONS", "ADD CALCULATED FIELD", and "ADD FILTER". To the right are "Filter by: All fields" and a "Search fields" input field.

The main content area displays a table of data fields:

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Record Created On	register created on X order creation date X +	Dimension, Date
<input type="checkbox"/>	Sales Doc Type	sales document type X sales memo type X document type X +	Dimension
<input type="checkbox"/>	Sales Group	<span style="color: red;">⚠ Add alternate names for field </span>	Dimension
<input type="checkbox"/>	Sales Office	service office X sales shop X +	Dimension
<input type="checkbox"/>	Sales Org	sales organisation X sales organization X +	Dimension
<input type="checkbox"/>	Sd Document	sd record X order number X sales order X +	Dimension
<input type="checkbox"/>	Shinto Party	shinto hash X +	Dimension

- Exclude **Billto Party** field, as you will only be interested in the Soldto.
- Include **Material Group** field and \*\*delete\*\* any existent synonyms by clicking the X marks.
- Into the already included **Material** field, add **product**  as synonym.
- Into the already included **Net Value Of The Document Item In Document Currency** field, add **sales**  as synonym.
- Into the already included **Record Create** and **order creation date**  synonyms.
- Include **SD Document** field and add **sal** and **order number**  as synonyms.
- Include **Sold to Party** field and add **customer**  as synonym.

With the required steps performed, the Orders Topic details view should look like this:

All topics

## Sales Orders Topic

OPEN Q

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input type="checkbox"/>	Billto Party <input type="checkbox"/>	Add alternate names for field <input type="checkbox"/>	Dimension
<input type="checkbox"/>	Customer Group <input type="checkbox"/>	client group <input type="checkbox"/> buyer group <input type="checkbox"/> consumer group <input type="checkbox"/> +	Dimension
<input type="checkbox"/>	Distr Channel <input type="checkbox"/>	distributor channel <input type="checkbox"/> +	Dimension

Screenshot of the AWS QuickSight console showing the "Sales Orders Topic" data field configuration.

The browser tabs at the top include: sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor, and Verify it's you.

The URL in the address bar is: us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

The main title is "Sales Orders Topic".

The "Data" tab is selected, showing the following configuration:

- Dataset:** Sales Orders
- BULK ACTIONS:** ADD CALCULATED FIELD, ADD FILTER
- Filter by:** All fields
- Search fields:** Search bar

Include	Friendly name	Synonyms	Details
<input checked="" type="checkbox"/>	Shipto Party	shipto bash	Dimension
<input type="checkbox"/>	Soldto Party	sale to party	Dimension

Field name: soldto\_party    Field type: Attribute    Need help understanding these settings? [Learn more](#)

**Description:** (Empty input field)

**Role:** Dimension    **Default aggregation:** - Select -    **Not allowed aggregations:** - Select -

**Semantic Type:** - Select -    **Semantic sub-type:** - Select -    **Format:** - Select -

**Value Preview:**

0010100001
0010100002
0010411010
0017100001
0017100002
0017100003

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic Ask a question about Sales Orders Topic OPEN Q&A SHARE

< All topics

## Sales Orders Topic

Summary Data User Activity Suggested Questions

DATASETS DATA FIELDS NAMED ENTITY Dataset: Sales Orders

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER Filter by: All fields Search fields

Include	Friendly name	Synonyms	Details
<input checked="" type="checkbox"/>	Shipto Party	shipto bash	Dimension
<input type="checkbox"/>	Soldto Party	sale to party customer	Dimension

Field name: soldto\_party Field type: Attribute Need help understanding these settings? [Learn more](#)

Description:

Role: Dimension Default aggregation: - Select - Not allowed aggregations: - Select -

Semantic Type: - Select - Semantic sub-type: - Select - Format: - Select -

Value Preview:

- 0010100001
- 0010100002
- 0010411010
- 0017100001
- 0017100002
- 0017100003

< All topics

# Sales Orders Topic

Summary

Data

User Activity

Suggested Questions

OPEN Q&A

SHARE

DATASETS

DATA FIELDS

NAMED ENTITY

Dataset

Sales Orders

BULK ACTIONS

ADD CALCULATED FIELD

ADD FILTER

Filter by:

All fields

Search fields



Include

Friendly name

Synonyms

Details



Shipto Party

shipto bash



Dimension



Soldto Party

sale to party

customer



Dimension



Field name: soldto\_party

Field type: Attribute

Need help understanding these settings? [Learn more](#)

Description

Role

Dimension

Default aggregation

- Select -

Not allowed aggregations

- Select -

Semantic Type

- Select -

Semantic sub-type

- Select -

Format

- Select -

## Value Preview

0010100001

0010100002

0010411010

0017100001

0017100002

0017100003

## sap-lake-20250410 &lt;

Unlock insights with SAP data lakes and Amazon Q in QuickSight

## ▼ 1.Introduction

SAP Environment

## ▼ 2.Review the deployed services

Examine the Amazon AppFlow Flows

Query extracted SAP data in Amazon Redshift

## ▼ 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

## ▼ Order To Cash (OTC)

Creating a Dataset in Amazon QuickSight

**Creating a Topic from this Dataset**

Creating a Analysis on this Topic

Creating a Dashboard with Generative BI support

## ▶ AWS account access

## ▶ Content preferences

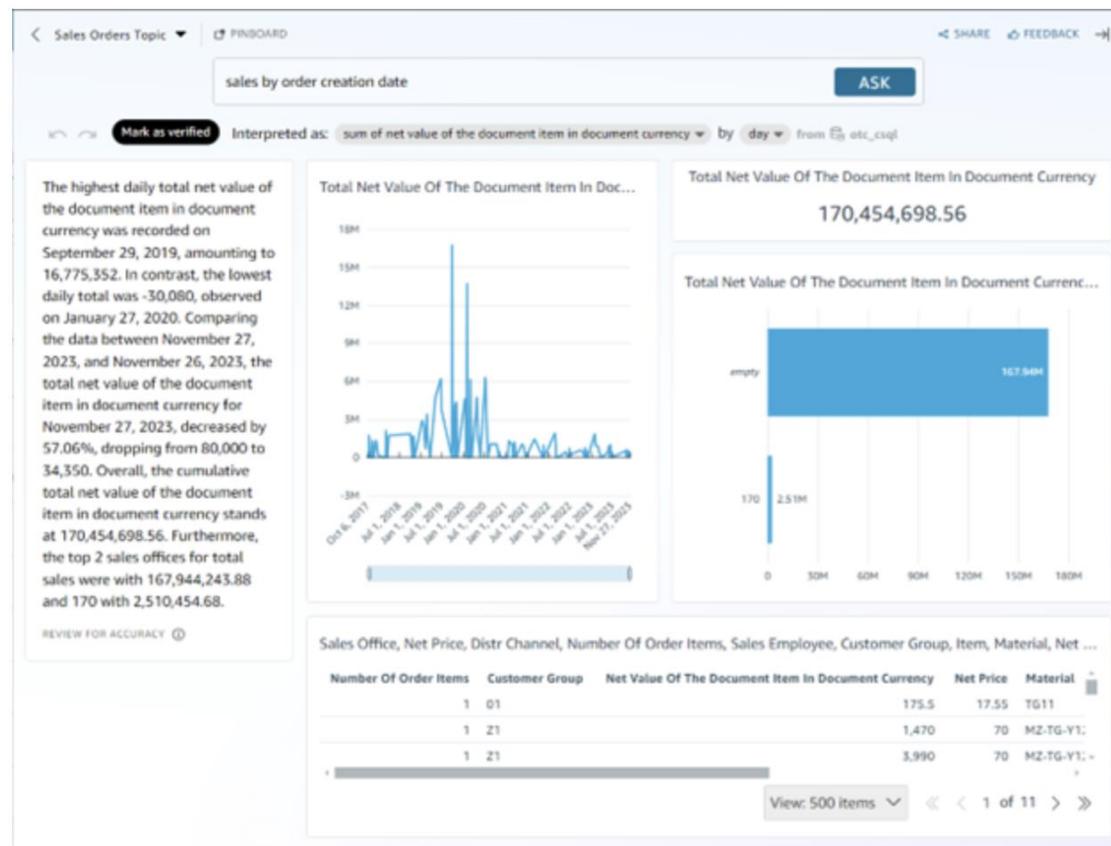
Exit event

Now you can start asking Q some questions using the synonyms that you adjusted, let's check how it goes. On the Sales Orders Topic box on the top, click on **Ask a question about Sales Orders Topic**. Using native language, ask Q using the examples below:

At this point, you don't need to mark, simply press Enter. You should see the results as shown below:

Copied!

Ask Q about sales by order creation date and press Enter. You should see the results as shown below:



Now ask Q about sales order by month and press Enter. You should see the results as shown below:



QuickSight Q Topics | Amazon AppFlow - Flow details | Redshift - Cluster details | Editor | Redshift query editor

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

Sales Orders Topic

Summary Data User Activity

DATASETS DATA FIELDS NAMED ENTITY

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER

Include	Friendly name
<input type="checkbox"/>	<input checked="" type="checkbox"/> Record Created On
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Doc Type
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Group
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Office
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Org
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sd Document
<input type="checkbox"/>	<input checked="" type="checkbox"/> Shipto Party

Ask a question about Sales Orders Topic

Record Created On between Oct 6, 2017 and Nov 27, 2023

What are you curious about? **ASK**

Suggested Questions loading...

- how many unique sales, grouped by customer group?
- how many distinct sales, grouped by item?
- how many unique order reasons by sales office?
- how many unique sales offices by order reason?
- how many sales offices by customer group?
- how many customers are grouped by sales group?
- how many order reasons by sales group?

Screenshot of a web browser showing multiple tabs and a QuickSight interface.

Browser Tabs:

- sap-lake-20250410
- QuickSight Q Topics
- Amazon AppFlow - Flow detail
- Redshift - Cluster details
- Editor | Redshift query editor

Address Bar:

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

Page Title:

QuickSight | Sales Orders Topic

Content Area:

## Sales Orders Topic

Summary Data User Activity

DATASETS DATA FIELDS NAMED ENTITY

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER

Include	Friendly name
<input type="checkbox"/>	<input checked="" type="checkbox"/> Record Created On
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Doc Type
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Group
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Office
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sales Org
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sd Document
<input type="checkbox"/>	<input checked="" type="checkbox"/> Shipto Party

Ask a question about Sales Orders Topic

Sales Orders Topic PINBOARD

Ask a question about Sales Orders Topic

Record Created On between Oct 6, 2017 and Nov 27, 2023

sales by order creation date  ASK

Suggested Questions What's in Sales Orders Topic

- how many unique sales, grouped by customer group?
- how many distinct sales, grouped by item?
- how many unique order reasons by sales office?
- how many unique sales offices by order reason?
- how many sales offices by customer group?
- how many customers are grouped by sales group?
- how many order reasons by sales group?

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

Sales Orders Topic

Summary Data User Activity

DATASETS DATA FIELDS NAMED ENTITY

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER

Include	Friendly name
<input type="checkbox"/>	Record Created On
<input type="checkbox"/>	Sales Doc Type
<input type="checkbox"/>	Sales Group
<input type="checkbox"/>	Sales Office
<input type="checkbox"/>	Sales Org
<input type="checkbox"/>	Sd Document
<input type="checkbox"/>	Shipto Party

The total net value of document items in document currency amounts to 170,454,698.56. On a daily basis, the highest recorded sales figure was 16,775,352 on September 29, 2019. In contrast, the lowest daily sales stood at -30,080 on January 27, 2020. More recently, on November 27, 2023, there was a decrease of 57.06% in total sales compared to the previous day, dropping from 80,000 to 34,350. The top two sales offices contributing to the total net value were null with 167,944,243.88 and 170 with 2,510,454.68. Notably, there are 324 unique values recorded for the net value of document items in document currency.

sales by order creation date

Mark as verified Interpreted as: Total Net Value Of The Document Item In Document Currency by day.

Total Net Value Of The Document Item In Document ... 170,454,698.56

Total Net Value Of The Document Item In Document ... 167.94M

Total Net Value Of The Document Item In Document ... 2.51M

Sales Office, Net Price, Sales Group, Number Of Order Items, Customer Group, Material Group, Item, Re...

Number Of Order Items	Customer Group	Net Value Of The Document Item In Document Currency	Net Price
1	01	175.5	17.55
1	Z1	1,470	70



## sap-lake-20250410 &lt;

Unlock insights with SAP data lakes and Amazon Q in QuickSight

## ▼ 1.Introduction

SAP Environment

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Examine the Amazon AppFlow Flows

Query extracted SAP data in Amazon Redshift

## ▼ 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

## ▼ Order To Cash (OTC)

Creating a Dataset in Amazon QuickSight

**Creating a Topic from this Dataset**

Creating a Analysis on this Topic

Creating a Dashboard with Generative BI support

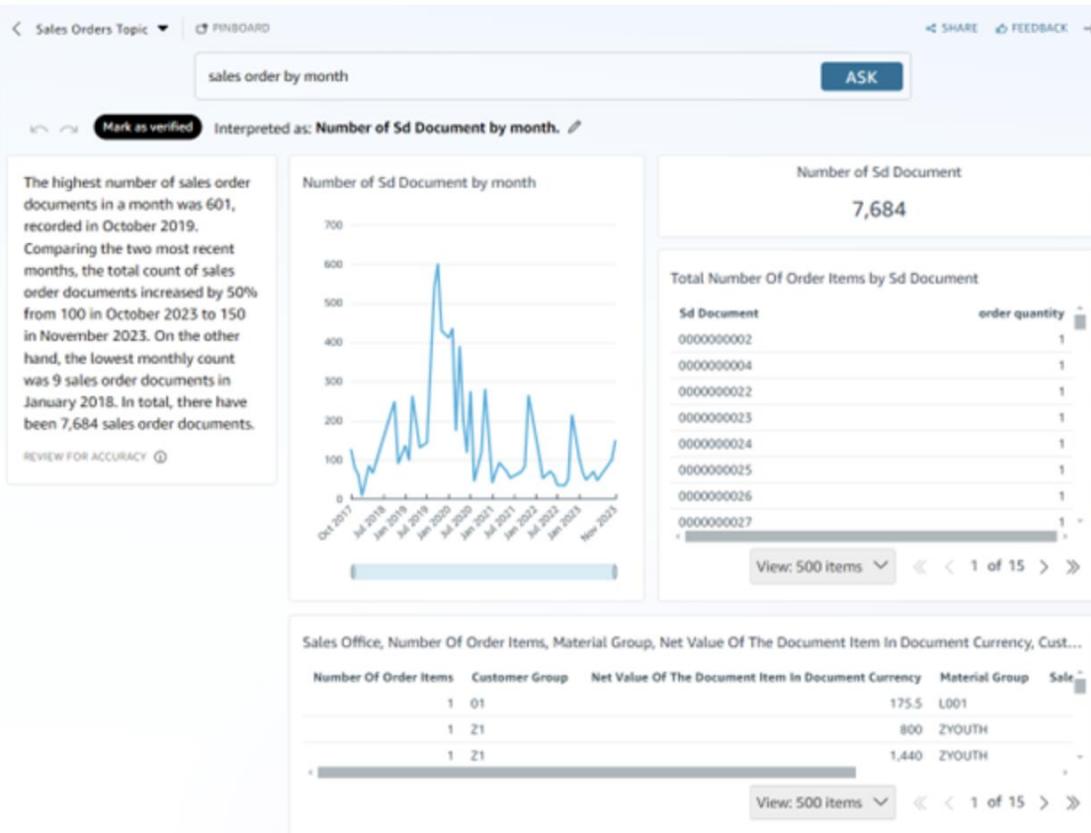
## ► AWS account access

## ► Content preferences

Exit event

Copied!

Now ask Q about sales order by month and press Enter. You should see the results as shown below:



To finish your test, ask Q about sales by material and press Enter. You should see the results as shown below:



Screenshot of a web browser showing the Amazon QuickSight interface for a "Sales Orders Topic".

The browser tabs at the top include:

- sap-lake-20250410
- QuickSight Q Topics
- Amazon AppFlow - Flow detail
- Redshift - Cluster details
- Editor | Redshift query editor

The main URL in the address bar is [us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data](https://us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data).

The QuickSight interface shows the following sections:

- Left Sidebar:** "All topics" and "Sales Orders Topic".
- Top Navigation:** "Data" tab is selected, along with "PINBOARD".
- Data Fields Section:** Includes tabs for "DATASETS", "DATA FIELDS" (selected), and "NAMED ENTITY". Buttons for "BULK ACTIONS", "ADD CALCULATED FIELD", and "ADD FILTER". A table lists data fields with checkboxes and toggle switches:

Include	Friendly name
<input type="checkbox"/>	Record Created On
<input type="checkbox"/>	Sales Doc Type
<input type="checkbox"/>	Sales Group
<input type="checkbox"/>	Sales Office
<input type="checkbox"/>	Sales Org
<input type="checkbox"/>	Sd Document
<input type="checkbox"/>	Shipto Party
- Ask a question about Sales Orders Topic:** A text input field contains "sales order by month" with a red arrow pointing to it. An "ASK" button is to the right.
- Suggested Questions:** A list of eight suggested questions:
  - how many unique sales, grouped by customer group?
  - how many distinct sales, grouped by item?
  - how many unique order reasons by sales office?
  - how many unique sales offices by order reason?
  - how many sales offices by customer group?
  - how many customers are grouped by sales group?
  - how many order reasons by sales group?
- What's in Sales Orders Topic:** A link to view more details.

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

Sales Orders Topic

Summary Data User Activity

DATASETS DATA FIELDS NAMED ENTITY

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER

Include	Friendly name
<input type="checkbox"/>	Record Created On
<input type="checkbox"/>	Sales Doc Type
<input type="checkbox"/>	Sales Group
<input type="checkbox"/>	Sales Office
<input type="checkbox"/>	Sales Org
<input type="checkbox"/>	Sd Document
<input type="checkbox"/>	Shipto Party

The total net value of document items in document currency reached its peak in September 2019 at 16,775,382. In contrast, the lowest monthly total was recorded in October 2021 at 62,880.89. Comparing the figures from November 2023 to October 2023, there was a notable decrease of 46.77%, dropping from 1,260,126.99 to 670,719.25. Cumulatively, the total net value of document items in document currency stands at 170,454,698.56. The top two sales offices contributing to this total were null with 167,944,243.88 and 170 with 2,510,454.68. Furthermore, there are 337 unique values recorded for the net value of document items in...

sales order by month

ASK

Mark as verified Interpreted as: Total Net Value Of The Document Item In Document Currency by month.

Total Net Value Of The Document Item In Document ...

170,454,698.56

Total Net Value Of The Document Item In Document ...

167.94M

2.51M

Sales Office, Number Of Order Items, Sales Group, Customer Group, Material Group, Record Created On...

Number Of Order Items	Customer Group	Net Value Of The Document Item In Document Currency	Material Gi
1	01	175.5	L001
1	Z1	800	ZYOUTH

SAP Lake-20250410

QuickSight Q Topics

Amazon AppFlow - Flow details

Redshift - Cluster details

Editor | Redshift query editor

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab03-dashboard/otc/lab03-4-topic

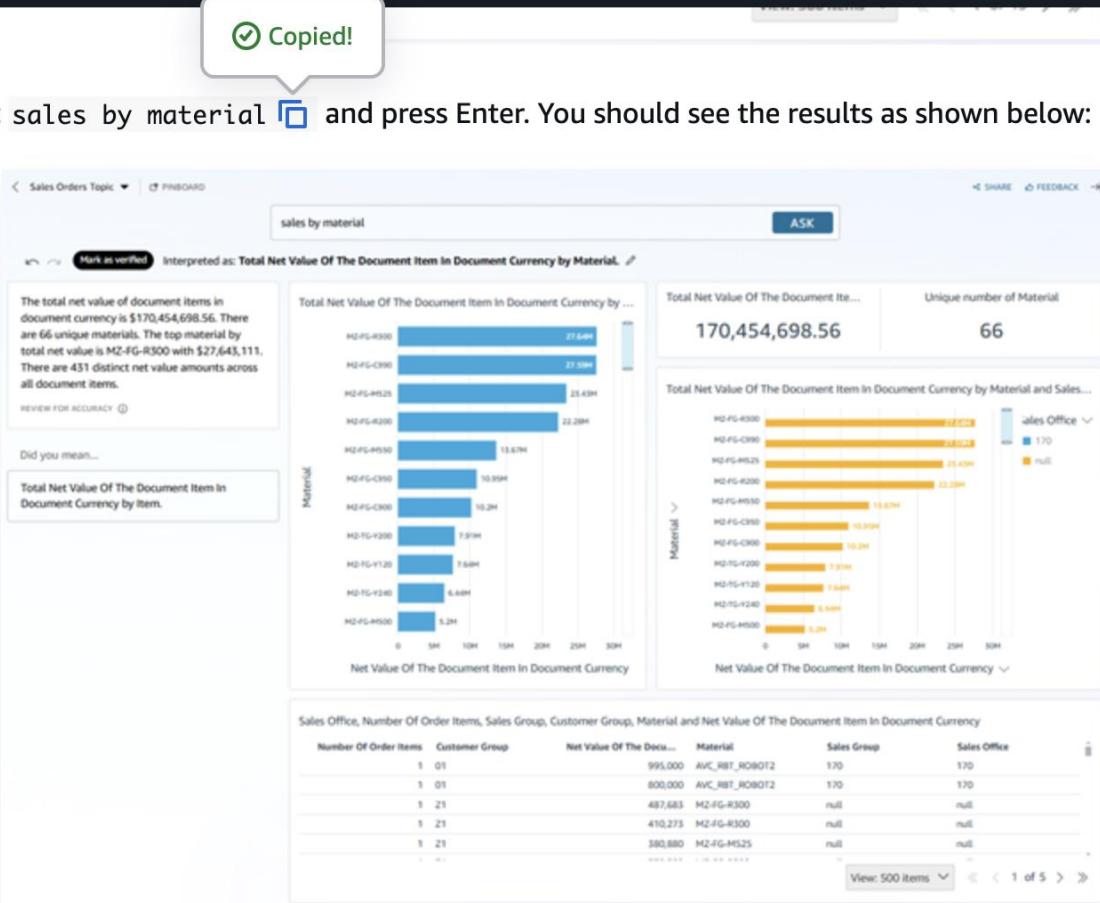
aws workshop studio

michael\_tw\_lin

sap-lake-20250410

To finish your test, ask Q about sales by material  and press Enter. You should see the results as shown below:

**Copied!**



The total net value of document items in document currency is \$170,454,698.56. There are 66 unique materials. The top material by total net value is M2-FG-R500 with \$27,643,111. There are 431 distinct net value amounts across all document items.

Total Net Value Of The Document Item In Document Currency by Material

Material	Total Net Value Of The Document Item In Document Currency
M2-FG-R500	27,643,111
M2-FG-C990	27,398
M2-FG-M525	25,439
M2-FG-R200	22,288
M2-FG-M530	13,678
M2-FG-C990	10,959
M2-FG-C990	10,248
M2-FG-V200	7,978
M2-FG-V120	7,648
M2-FG-V240	6,448
M2-FG-M500	5,248

Total Net Value Of The Document Item In Document Currency by Sales Office

Sales Office	Total Net Value Of The Document Item In Document Currency
170	170,454,698.56
null	0

Sales Office, Number Of Order Items, Sales Group, Customer Group, Material and Net Value Of The Document Item In Document Currency

Number Of Order Items	Customer Group	Net Value Of The Document Item In Document Currency	Material	Sales Group	Sales Office
1 01	AVC_RBT_R080T2	995,000	M2-FG-R500	170	170
1 01	AVC_RBT_R080T2	800,000	M2-FG-R500	170	170
1 21		487,683	M2-FG-R500	null	null
1 21		410,273	M2-FG-R500	null	null
1 21		380,880	M2-FG-M525	null	null

As you were able to see, you could query data and generate graph manually, but let's build out your analysis dashboard, using Generative BI capabilities. For that, select the **QuickSight logo** on the top left corner to go back to the Amazon QuickSight initial screen.

Previous

Next

Sap-lake-20250410 QuickSight Q Topics Amazon AppFlow - Flow details Redshift - Cluster details Editor | Redshift query editor

us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

QuickSight | Sales Orders Topic

Ask a question about Sales Orders Topic

Sales Orders Topic PINBOARD

Sales Orders Topic

Summary Data User Activity

DATASETS DATA FIELDS NAMED ENTITY

BULK ACTIONS ADD CALCULATED FIELD ADD FILTER

Include	Friendly name
<input type="checkbox"/>	Record Created On
<input type="checkbox"/>	Sales Doc Type
<input type="checkbox"/>	Sales Group
<input type="checkbox"/>	Sales Office
<input type="checkbox"/>	Sales Org
<input type="checkbox"/>	Sd Document
<input type="checkbox"/>	Shipto Party

sales by material  ASK

Suggested Questions What's in Sales Orders Topic

- how many unique sales, grouped by customer group?
- how many distinct sales, grouped by item?
- how many unique order reasons by sales office?
- how many unique sales offices by order reason?
- how many sales offices by customer group?
- how many customers are grouped by sales group?
- how many order reasons by sales group?

SAP Lakehouse Data Pipeline Overview

The screenshot shows a browser window with multiple tabs open, illustrating the SAP Lakehouse Data Pipeline architecture across various AWS services:

- Top Tabs:** sap-lake-20250410, QuickSight Q Topics, Amazon AppFlow - Flow details, Redshift - Cluster details, Editor | Redshift query editor.
- Current Tab:** us-east-1.quicksight.aws.amazon.com/sn/topics/QS2YGv1dEMN7tHbtZArKUVXKYTmmEkL6/data

**Left Sidebar (Sales Orders Topic):**

- Summary:** Shows basic dataset information.
- Data:** Selected tab, showing data fields like Record Created On, Sales Doc Type, Sales Group, Sales Office, Sales Org, Sd Document, and Shipto Party.
- User Activity:** Shows recent activity.

**Right Panel (Sales Orders Topic):**

- Search Bar:** sales by material, ASK button.
- Text Overlay:** Mark as verified, Interpreted as: Total Net Value Of The Document Item In Document Currency by Material.
- Card 1:** The total net value of the document item in document currency is \$170,454,698.56. There are 66 unique materials. The top material by total sales is MZ-FG-R300 with \$27,643,111. The total number of order items is 7,116. REVIEW FOR ACCURACY.
- Card 2:** Total Net Value Of The Document Item In Document Currency by Material Group. Bar chart showing values for MZ-FG-R300, MZ-FG-C990, MZ-FG-M525, MZ-FG-R200, MZ-FG-M550, MZ-FG-C950, MZ-FG-C900, MZ-TG-Y200, MZ-TG-Y120, MZ-TG-Y240, and MZ-FG-M500.
- Card 3:** Total Net Value Of The Document Item In Document Currency by Material Group. Scatter plot showing the relationship between Number Of Order Items and Net Value Of The Document Item In Document Currency.
- Table:** Material Group, Number Of Order Items, Sales Office, Sales Group, Customer Group, Net Value Of The Document Item In Document Currency, and Material.

**sap-lake-20250410** <

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Creating a Topic from this Dataset

**Creating a Analysis on this Topic**

Creating a Dashboard with Generative BI support

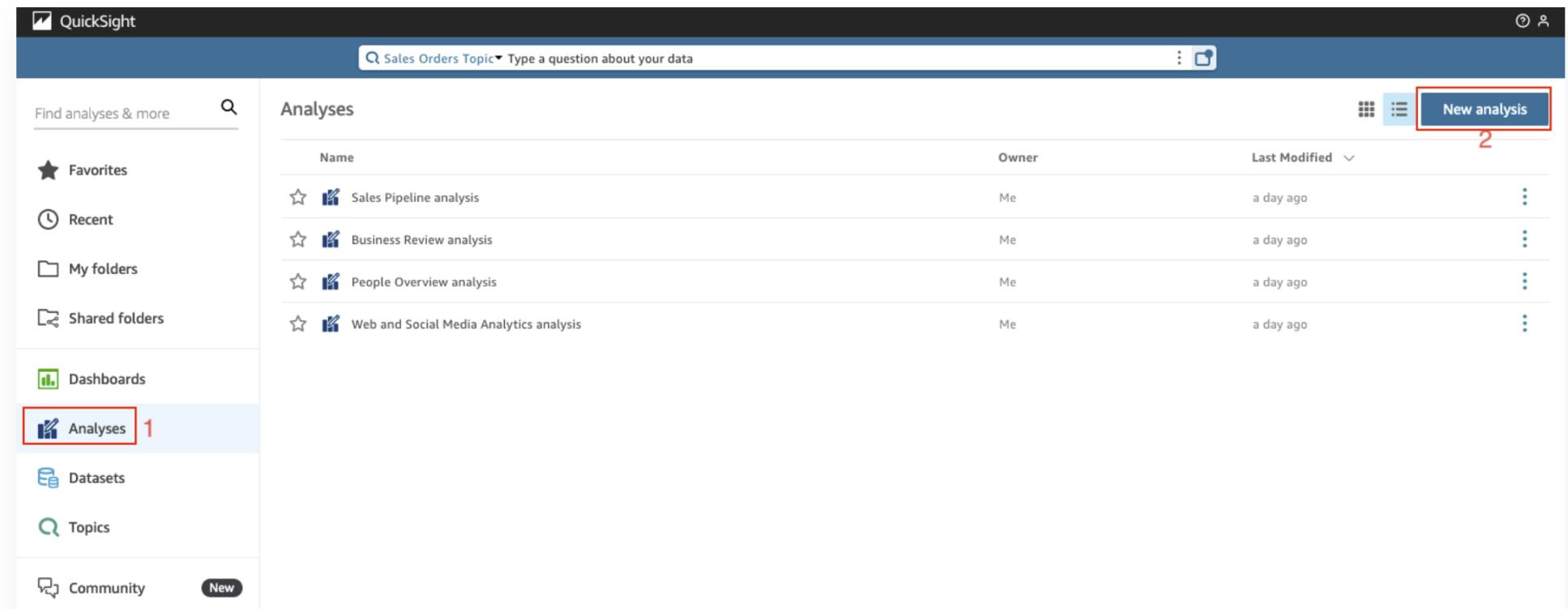
## ▶ AWS account access

## ▶ Content preferences

[Event dashboard](#) > [3.Creating an Amazon QuickSight dashboard using Generative BI capabilities](#) > [Order To Cash \(OTC\)](#) > [Creating a Analysis on this Topic](#)

# Creating a Analysis on this Topic

1. From Amazon QuickSight initial screen, select **Analyses** and then click **New analysis** from up right corner.



2. Then select the dataset created at the beginning of the workshop (**Sales Orders**) to be added to your analysis.

us-east-1.quicksight.aws.amazon.com/sn/start/analyses

QuickSight

Find analyses & more

Analyses

Last updated (newest first)

New analysis

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios New

Analyses New

Datasets

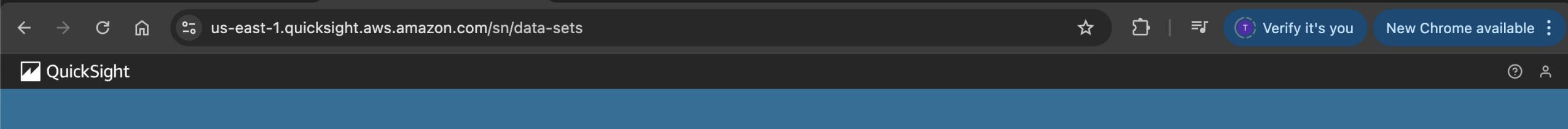
Community

Topics

**Sales Orders analysis**

Updated 9 hours ago

The screenshot shows the QuickSight interface. On the left, there's a sidebar with various navigation options: Favorites, Recent, My folders, Shared folders, Dashboards, Data stories, Scenarios (with a 'New' button), Analyses (which is highlighted with a red arrow), Datasets, Community, and Topics. The main area is titled 'Analyses' and displays a single card for a 'Sales Orders analysis'. The card includes a thumbnail image of a bar chart, the analysis name, the last update time ('Updated 9 hours ago'), and two interactive icons ('Star' and 'More options'). At the top of the page, there's a search bar, a sort dropdown ('Last updated (newest first)'), and a 'New analysis' button. The overall theme is light blue and white.

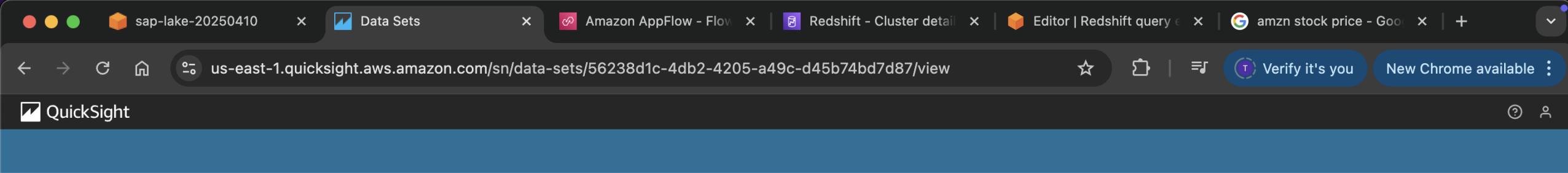


New dataset

SPICE capacity for this region: 3.8MB of 10GB

## Your Datasets

A dataset card for "Sales Orders". It features a blue 3D bar icon on the left. To the right of the icon, the dataset name "Sales Orders" is displayed in bold black text. Below the name is a small orange rectangular badge with the word "SPICE" in white. A large red arrow points to the "Sales Orders" text.



< Datasets

## Sales Orders

[DELETE DATASET](#)

[EDIT DATASET](#) ▾

[USE IN ANALYSIS](#)



[Summary](#)

[Refresh](#)

[Permissions](#)

[Usage](#)

### About

SPICE

Size: 3.8MB

### REFRESH

✓ Status Completed 7684 rows imported (100% success)

⌚ Last successful refresh April 10, 2025 at 12:10 PM GMT+8

### ACCESS SETTINGS

#### Sharing

Owners (1) Viewers (0)

#### Row-level security

= No restrictions [Set up](#)

#### Column-level security

|| No restrictions [Set up](#)

### SCHEMA

Unique key [Learn more](#)

Disabled

### Sources

sap-redshift-datasource

### Usage

Analyses (1)

Dashboards (0)

Datasets (0)

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

Verify it's you New Chrome available

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

New sheet

Import complete:  
100% success  
7,684 rows were imported to SPICE  
0 rows were skipped

**Interactive sheet**  
Single page, interactive content  
Layout: Tiled  
Optimize for viewing on: 1600px

**Pixel-Perfect report** **New**  
Multi-page, highly formatted document  
Paper size: US letter - 8.5 x 11 in  
Orientation: Portrait

**Pixel-Perfect Reports** allows you to build highly formatted multi-page reports. [Get Pixel-Perfect Reports](#)

CANCEL CREATE

DATA

Sales Orders

Search fields

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
net\_value\_of\_the\_document\_it...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

ADD DATA

Add a dimension or measure

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual ACTUAL SIZE PUBLISH

Data Visuals Sheet 1 +

Dataset: SPICE Sales Orders (100%)

Search fields: + CALCULATED FIELD

Fields:

- billing\_type
- billto\_party
- customer\_group
- distr\_channel
- item
- material
- material\_group
- # net\_price
- # net\_value\_of\_the\_document\_it...
- # number\_of\_order\_items
- order\_reason
- payer
- record\_created\_on
- sales\_doc\_type
- sales\_group
- sales\_office
- sales\_org
- sd\_document
- shipto\_party
- soldto\_party

Visuals

CHANGE VISUAL TYPE

AutoGraph

Add 1 or more fields to build a visual.

ADD DATA

Add a dimension or measure

Verify it's you New Chrome available

Feedback icon

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual ... Manage Q&A

ACTUAL SIZE ▾ PUBLISH

Data Visuals Sheet 1 +

Dataset: SPICE Sales Orders 100%

Search fields: + CALCULATED FIELD

Visuals: + ADD BUILD CHANGE VISUAL TYPE

AutoGraph  
Add 1 or more fields to build a visual.

Add DATA: Add a dimension or measure

Feedback icon

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual :

**Data**

Dataset: SPICE Sales Orders 100%

Search fields

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
net\_value\_of\_the\_document\_it...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

**Visuals**

+ ADD BUILD CHANGE VISUAL TYPE

Manage Q&A

Manage which datasets are enabled for Q&A, or link an existing topic instead.

Use datasets for Build visual and Q&A i

Use a linked topic for Build visual and Q&A i

APPLY CHANGES

AutoGraph

Add 1 or more fields to build a visual.

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual :

**Data**

Dataset: SPICE Sales Orders 100%

Search fields

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
net\_value\_of\_the\_document\_it...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

**Visuals**

+ ADD BUILD CHANGE VISUAL TYPE

Visual icons: lightning bolt, upload, download, pie chart, bar charts, line graphs, scatter plots, etc.

**Manage Q&A**

Manage which datasets are enabled for Q&A, or link an existing topic instead.

Use datasets for Build visual and Q&A i

Use a linked topic for Build visual and Q&A

Search topics  Topic

Sales Orders Topic

Create Topic

APPLY CHANGES

**AutoGraph**

Add 1 or more fields to build a visual.

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual

ACTUAL SIZE PUBLISH

Data Visuals

Manage Q&A

Manage which datasets are enabled for Q&A, or link an existing topic instead.

Use datasets for Build visual and Q&A

Use a linked topic for Build visual and Q&A

Sales Orders Topic

Dataset(s): Sales Orders

SHARE TOPIC

APPLY CHANGES

AutoGraph

Add 1 or more fields to build a visual.

## QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

ACTUAL SIZE ▾ PUBLISH



## Data

Dataset 100%

SPICE Sales Orders

Search fields

+ CALCULATED FIELD

billing\_type

billto\_party

customer\_group

distr\_channel

item

material

material\_group

# net\_price

# net\_value\_of\_the\_document\_it...

# number\_of\_order\_items

order\_reason

payer

record\_created\_on

sales\_doc\_type

sales\_group

sales\_office

sales\_org

sd\_document

shipto\_party

soldto\_party

## Visuals

+ ADD ▾ BUILD

CHANGE VISUAL TYPE



ADD DATA

Add a dimension or measure

## Sheet 1

+

## AutoGraph

Add 1 or more fields to build a visual.



Sales Orders Topic is successfully linked.

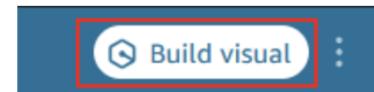
Review the topic or start asking questions  
in Q bar.REVIEW  
TOPIC

▼ 1.Introduction
SAP Environment
▼ 2.Review the deployed services
Examine the Amazon AppFlow Flows
Query extracted SAP data in Amazon Redshift
▼ 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities
▼ Order To Cash (OTC)
Creating a Dataset in Amazon QuickSight
Creating a Topic from this Dataset
Creating a Analysis on this Topic
<b>Creating a Dashboard with Generative BI support</b>
Publishing the Dashboard
▼ Procure To Pay (P2P)
Creating a Dataset in Amazon QuickSight
▶ AWS account access
▶ Content preferences
Exit event



# Creating a Dashboard with Generative BI support

1. Now, let's start building your analysis using Generative BI. To do that, select **Build visual**



2. Let's generate your first visual. Ask Q for the top materials sold in 2024 and select **BUILD**

Build a visual

top materials sold in 2024 **BUILD**

Interpreted as: **Total Net Value Of The Document Item In Document Currency by Material.** [See Why](#)

Sales Orders ▾

Total Net Value Of The Document Item In Document...

Material	Total Net Value
MZ-FG-R300	27.64M
MZ-FG-C990	27.59M
MZ-FG-M525	23.43M
MZ-FG-R200	22.28M
MZ-FG-M550	13.67M
MZ-FG-C950	10.95M



us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

ACTUAL SIZE ▾ PUBLISH

DATA

Dataset: SPICE Sales Orders (100%)

Search fields:

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
net\_value\_of\_the\_document\_it...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

Visuals

+ ADD ▾ BUILD

CHANGE VISUAL TYPE

Line chart	Up/Down arrow	Bar chart	Donut chart
Donut chart	Horizontal bar chart	Grouped bar chart	Stacked bar chart
Grouped bar chart	Horizontal stacked bar chart	Grouped line chart	Stacked line chart
Stacked line chart	Line chart	Scatter plot	Area chart
Scatter plot	Box plot	Treemap	Table
Treemap	Map	Globe	Cloud
Map	Waterfall chart	Lightbulb	Icon
Waterfall chart	Table		

Sheet 1 +

Add 1 or more fields to build a visual.

AutoGraph

What data do you want to visualize **BUILD**

SUGGESTED

- how many unique sales, grouped by ...
- how many distinct sales, grouped by ...
- how many unique order reasons by s...
- how many unique sales offices by or...
- how many sales offices by customer ...
- how many customers are grouped by...
- how many order reasons by sales gro...

## ▼ 1. Introduction

SAP Environment

## ▼ 2. Review the deployed services

Examine the Amazon AppFlow Flows

Query extracted SAP data in Amazon Redshift

## ▼ 3. Creating an Amazon QuickSight dashboard using Generative BI capabilities

## ▼ Order To Cash (OTC)

Creating a Dataset in Amazon QuickSight

Creating a Topic from this Dataset

Creating a Analysis on this Topic

**Creating a Dashboard with Generative BI support**

Publishing the Dashboard

## ▼ Procure To Pay (P2P)

Creating a Dataset in Amazon QuickSight

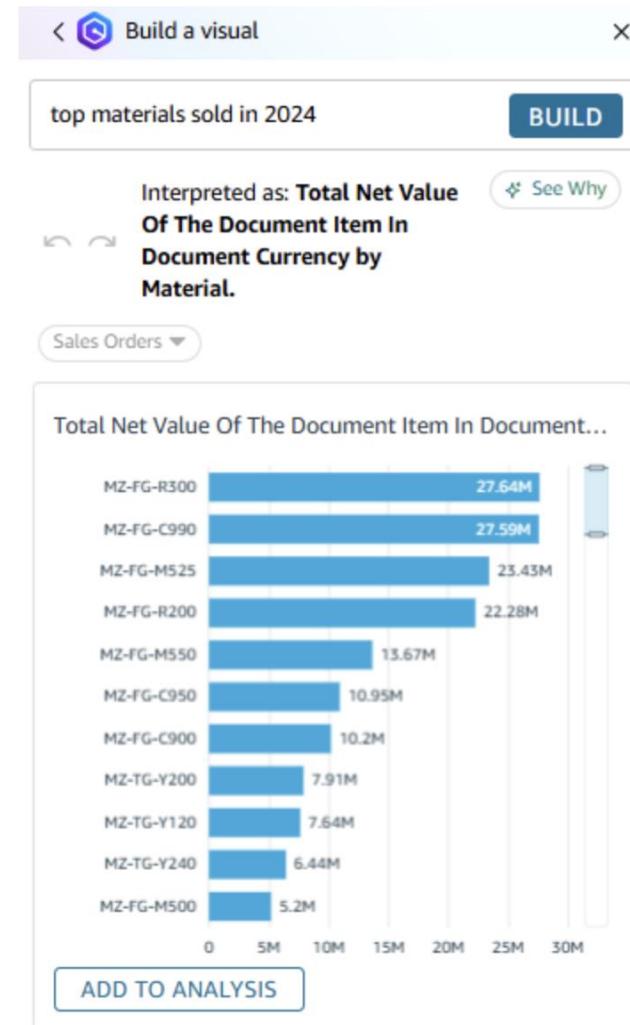
## ▶ AWS account access

## ▶ Content preferences

Exit event

2. Let's generate your first visual. Ask Q for the top materials sold in 2024 Select BUILD

Copied!



3. Add this graph to your analysis, selecting ADD TO ANALYSIS



Sap-lake-20250410 x Sales Orders analysis x Amazon AppFlow - Flow x Redshift - Cluster detail x Editor | Redshift query x amzn stock price - Google x +

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual ACTUAL SIZE PUBLISH

Data Visuals Sheet 1 +

Dataset: SPICE Sales Orders 100%

Search fields: + CALCULATED FIELD

Visuals: ADD CHANGE VISUAL TYPE

Visuals icons:

- Lightning bolt
- Up arrow
- Bar chart
- Donut chart
- Pie chart
- Horizontal bar chart
- Stacked bar chart
- Grouped bar chart
- Line chart
- Area chart
- Scatter plot
- Box plot
- Table
- Matrix
- Treemap
- Waterfall chart
- Globe
- Map
- 3D cube
- Bulb
- Cloud

Add DATA: Add a dimension or measure

Sheet 1: AutoGraph  
Add 1 or more fields to build a visual.

Build a visual Record Created On between Oct 6, 2017 and Nov 27, 2023

top materials sold in 2024 ← BUILD

SUGGESTED

- how many unique sales, grouped by ...
- how many distinct sales, grouped by ...
- how many unique order reasons by s...
- how many unique sales offices by or...
- how many sales offices by customer ...
- how many customers are grouped by...
- how many order reasons by sales gro...

Sap-lake-20250410 x Sales Orders analysis x Amazon AppFlow - Flow x Redshift - Cluster detail x Editor | Redshift query x amzn stock price - Google x +

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual ACTUAL SIZE PUBLISH

Data Visuals Sheet 1 +

Dataset: SPICE Sales Orders 100%

Search fields + CALCULATED FIELD

Visuals CHANGE VISUAL TYPE

+ ADD BUILD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
net\_value\_of\_the\_document\_it...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

Add a dimension or measure

AutoGraph  
Add 1 or more fields to build a visual.

Build a visual Record Created On between Oct 6, 2017 and Nov 27, 2023

top materials sold in 2023  BUILD

SUGGESTED

- how many unique sales, grouped by ...
- how many distinct sales, grouped by ...
- how many unique order reasons by s...
- how many unique sales offices by or...
- how many sales offices by customer ...
- how many customers are grouped by...
- how many order reasons by sales gro...

Sap-lake-20250410 x Sales Orders analysis x Amazon AppFlow - Flow x Redshift - Cluster detail x Editor | Redshift query x amzn stock price - Google x +

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual PUBLISH ACTUAL SIZE

**Data**

Dataset: SPICE Sales Orders 100%

Search fields:

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
net\_value\_of\_the\_document\_it...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

**Visuals**

+ ADD BUILD CHANGE VISUAL TYPE

Sheet 1 +

AutoGraph  
Add 1 or more fields to build a visual.

Record Created On between Oct 6, 2017 and Nov 27, 2023

Build a visual

top materials sold in 2023 **BUILD**

**SUGGESTED**

- how many unique sales, grouped by ...
- how many distinct sales, grouped by ...
- how many unique order reasons by s...
- how many unique sales offices by or...
- how many sales offices by customer ...
- how many customers are grouped by...
- how many order reasons by sales gro...

Verify it's you New Chrome available

Red arrow pointing to the **BUILD** button for the suggested visualization "top materials sold in 2023".

Sap-lake-20250410 x Sales Orders analysis x Amazon AppFlow - Flow x Redshift - Cluster detail x Editor | Redshift query x amzn stock price - Google x +

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

Verify it's you New Chrome available

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual :

ACTUAL SIZE PUBLISH

DATA Visuals Sheet 1 + ADD CHANGE VISUAL TYPE

Dataset: SPICE Sales Orders 100%  
Search fields  
+ CALCULATED FIELD

Visuals:

- + ADD
- BUILD

CHANGE VISUAL TYPE

- Line chart
- Up/Down arrow
- Bar chart
- Pie chart
- Horizontal bar chart
- Stacked bar chart
- Grouped bar chart
- Area chart
- Stacked area chart
- Grouped area chart
- Scatter plot
- Box plot
- Table
- Matrix
- Treemap
- Waterfall chart
- Globe
- Map
- Lightbulb
- Cloud

ADD DATA

Add a dimension or measure

Sheet 1 +

AutoGraph

Add 1 or more fields to build a visual.

Build a visual

top materials sold in 2023

BUILD

Interpreted as: Total Net Value Of The Document Item In Document Currency by Material in 2023.

Sales Orders

Total Net Value Of The Document Item In Document ... IN 2023

Material	Total Net Value (M)
Material A	1.16M
Material B	0.95M
Material C	0.52M
Material D	0.07M
Material E	0.02M

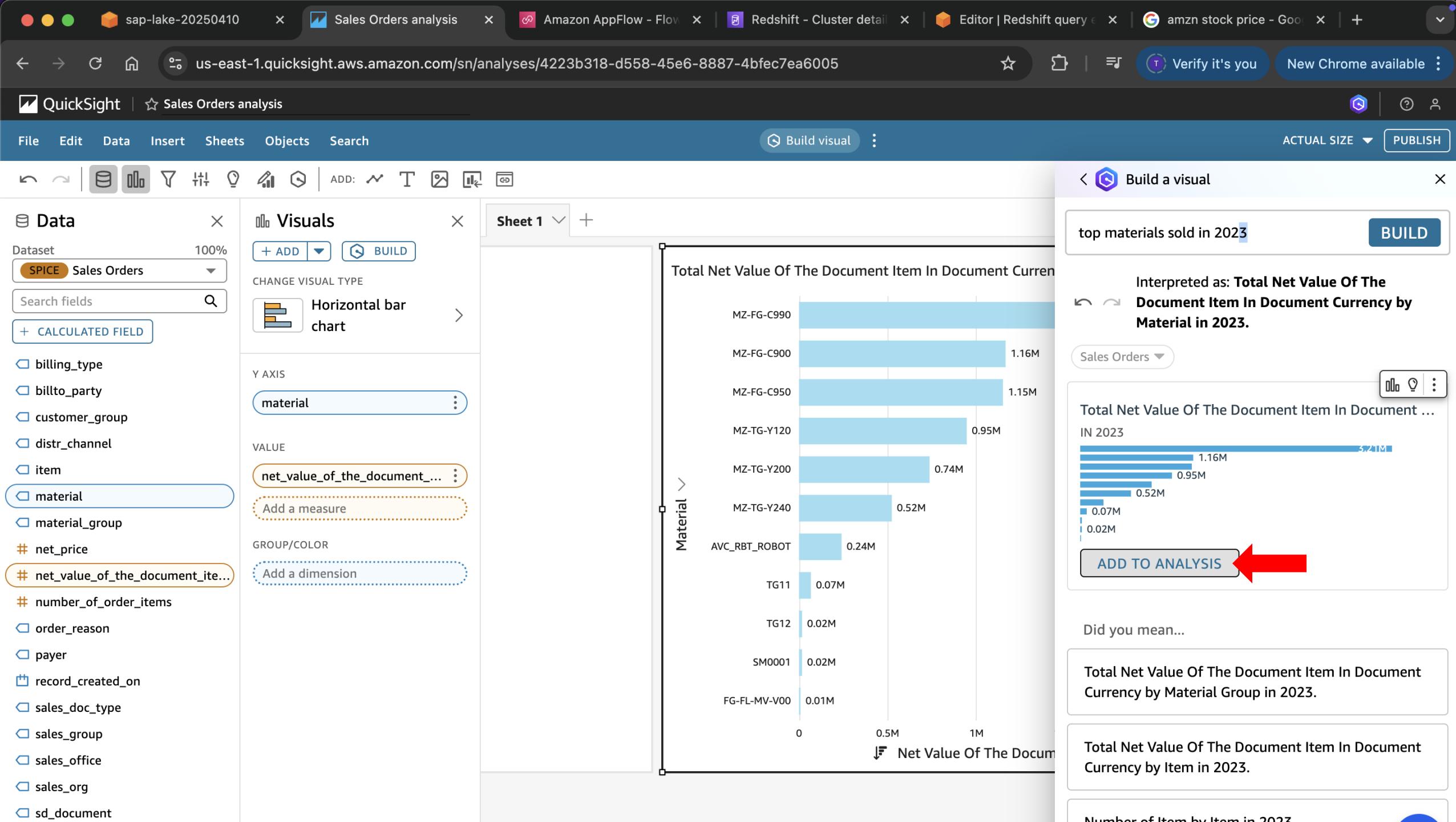
ADD TO ANALYSIS

Did you mean...

Total Net Value Of The Document Item In Document Currency by Material Group in 2023.

Total Net Value Of The Document Item In Document Currency by Item in 2023.

Number of Item by Item in 2023



## ▼ 1.Introduction

SAP Environment

## ▼ 2.Review the deployed services

Examine the Amazon AppFlow Flows

Query extracted SAP data in Amazon Redshift

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## ▼ Order To Cash (OTC)

Creating a Dataset in Amazon QuickSight

Creating a Topic from this Dataset

Creating a Analysis on this Topic

[Creating a Dashboard with Generative BI support](#)

Publishing the Dashboard

## ▼ Procure To Pay (P2P)

Creating a Dataset in Amazon QuickSight

## ▶ AWS account access

## ▶ Content preferences

Exit event

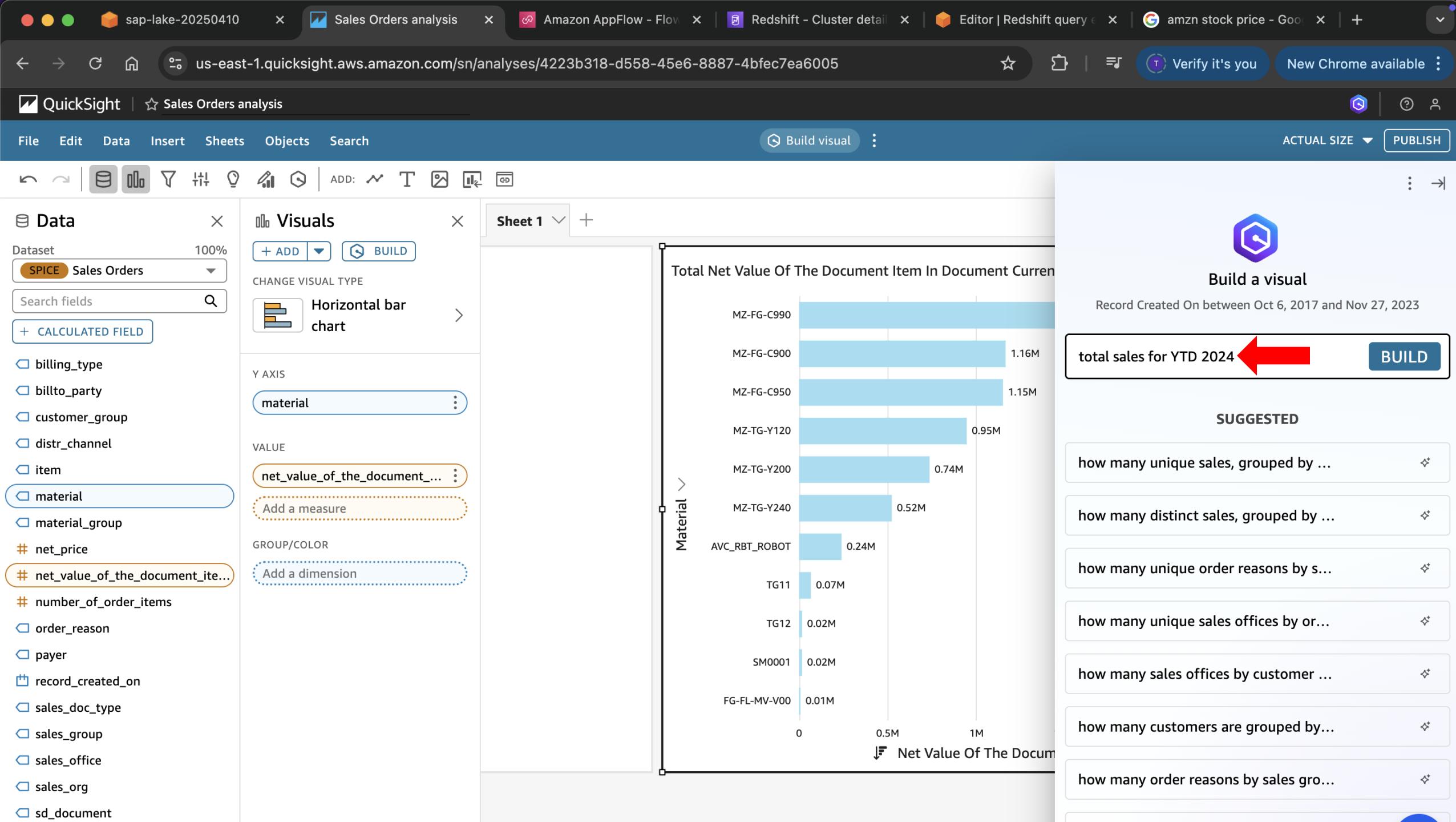
4. Let's generate another visual. Ask Q for the total sales for YTD 2024 and select BUILD

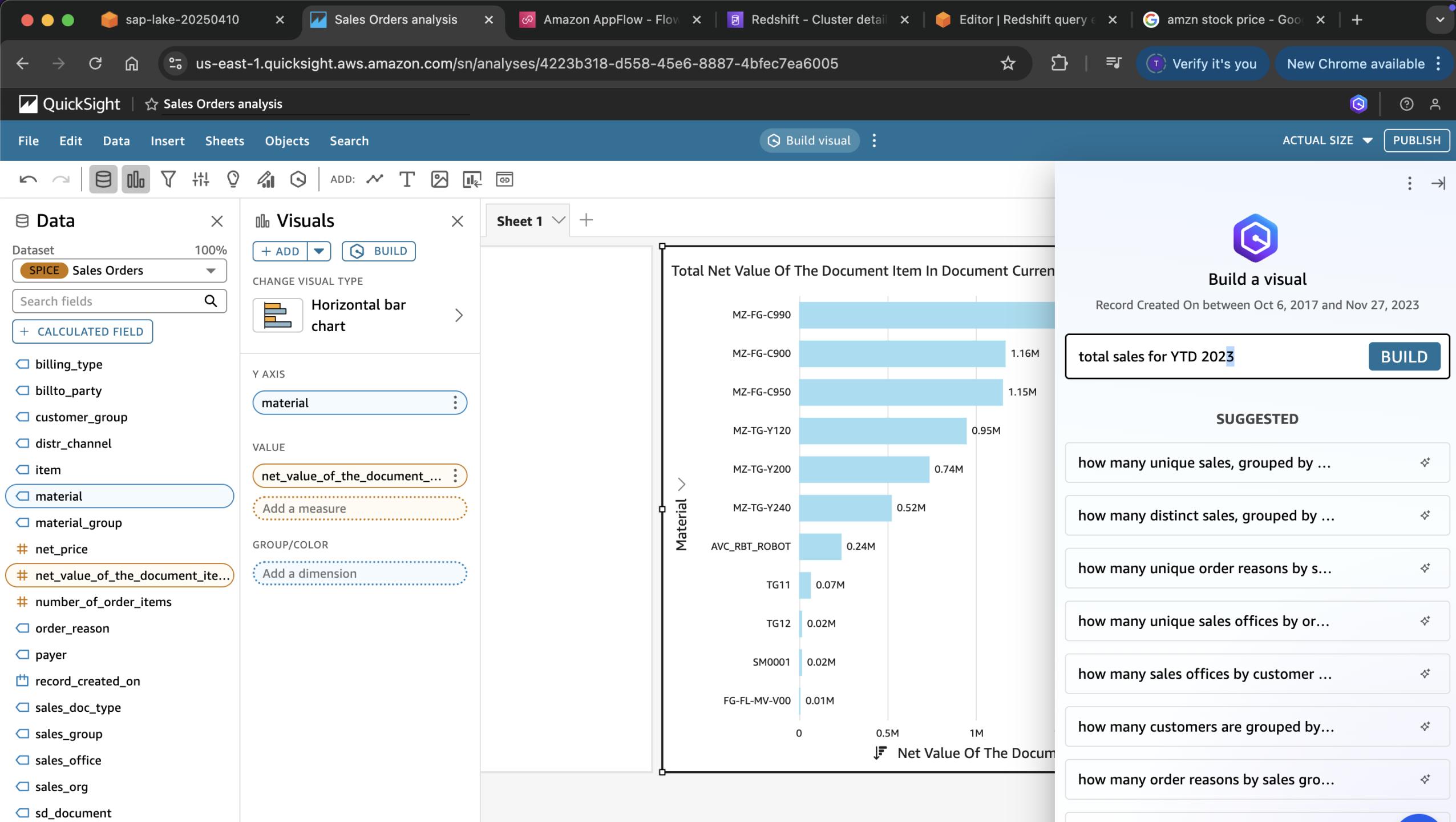
The screenshot shows the 'Build a visual' interface. A large number '8,111,259.72' is displayed prominently. Above it, a message says 'Interpreted as: YTD total Net' with a 'See Why' link. Below the number, a message states 'Your exact question cannot be answered' and 'There were no results that met the criteria of your question. This answer was created using a variation of your question. We dropped the filters: 'In 2024''. At the bottom left is a 'BUILD' button, and at the bottom right is an 'ADD TO ANALYSIS' button.

5. Add this graph to your analysis, selecting ADD TO ANALYSIS

6. Now let's generate a visual with forecast. Ask Q for the sales by month from 2022 to 2023 and select BUILD. Add this graph to your analysis, selecting ADD TO ANALYSIS







Sap-lake-20250410 x Sales Orders analysis x Amazon AppFlow - Flow x Redshift - Cluster detail x Editor | Redshift query x amzn stock price - Google x +

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual ACTUAL SIZE PUBLISH

DATA Visuals Sheet 1 +

Total Net Value Of The Document Item In Document Current

Material >

Material	Net Value
MZ-FG-C990	1.16M
MZ-FG-C900	1.15M
MZ-TG-Y120	0.95M
MZ-TG-Y200	0.74M
MZ-TG-Y240	0.52M
AVC_RBT_ROBOT	0.24M
TG11	0.07M
TG12	0.02M
SM0001	0.02M
FG-FL-MV-V00	0.01M

Net Value Of The Document Item In Document Current

Visuals

+ ADD BUILD

CHANGE VISUAL TYPE

Horizontal bar chart

Y AXIS material

VALUE net\_value\_of\_the\_document\_it...

Add a measure

GROUP/COLOR Add a dimension

Build a visual

Record Created On between Oct 6, 2017 and Nov 27, 2023

total sales for YTD 2023 BUILD

SUGGESTED

- how many unique sales, grouped by ...
- how many distinct sales, grouped by ...
- how many unique order reasons by s...
- how many unique sales offices by or...
- how many sales offices by customer ...
- how many customers are grouped by...
- how many order reasons by sales gro...

DATA

Dataset SPICE Sales Orders 100%

Search fields

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
# net\_value\_of\_the\_document\_it...  
# number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document



Verify it's you

New Chrome available



## QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

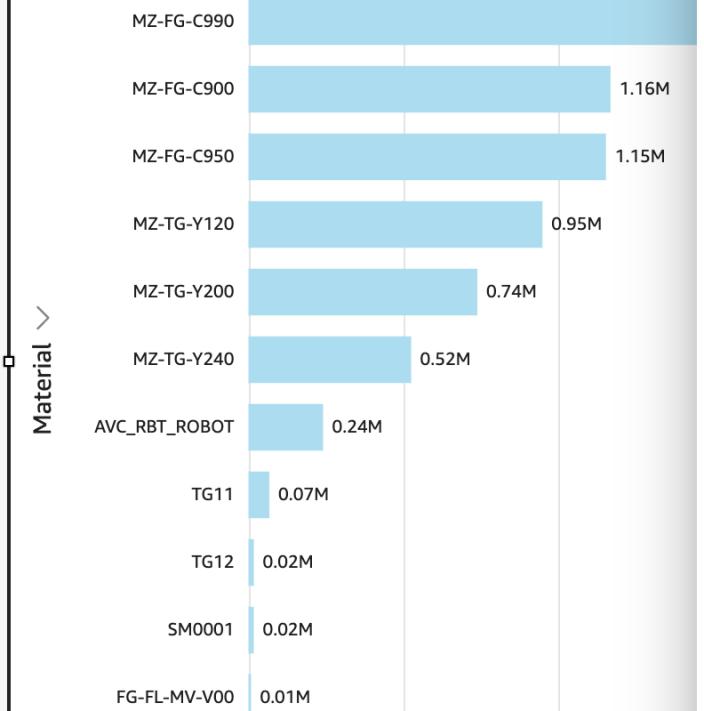
ACTUAL SIZE

PUBLISH



Sheet 1 +

Total Net Value Of The Document Item In Document Current



Build a visual

total sales for YTD 2023

BUILD

Interpreted as: Total Net Value Of The Document Item In Document Currency in 2023.

Sales Orders

Total Net Value Of The Document Item In Document ...  
IN 2023

8,111,259.72

ADD TO ANALYSIS

Did you mean...

Total Net Value Of The Document Item In Document Currency from 2023 onwards.



QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

Data Visuals Sheet 1 +

Dataset: SPICE Sales Orders (100%)

Search fields

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
# net\_value\_of\_the\_document\_item\_in\_document\_currency  
# number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document  
shipto\_party  
soldto\_party

Visuals

CHANGE VISUAL TYPE: Key Performance Indicator (KPI)

KPI LAYOUTS

VALUE: net\_value\_of\_the\_document\_item\_in\_document\_currency

TARGET VALUE: Add a measure

TREND GROUP: Add a dimension

Sheet 1 +

8,111,259.72

< Build a visual

total sales for YTD 2023 BUILD

Interpreted as: Total Net Value Of The Document Item In Document Currency in 2023.

Sales Orders

Total Net Value Of The Document Item In Document ... IN 2023

8,111,259.72

ADD TO ANALYSIS

Did you mean...

Total Net Value Of The Document Item In Document Currency from 2023 onwards.



catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab03-dashboard/otc/lab03-6-dashb... Verify it's you New Chrome available

aws workshop studio michael\_tw\_lin

1. Introduction  
SAP Environment

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Query extracted SAP data in Amazon Redshift

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Order To Cash (OTC)  
Creating a Dataset in Amazon QuickSight  
Creating a Topic from this Dataset  
Creating a Analysis on this Topic  
**Creating a Dashboard with Generative BI support**  
Publishing the Dashboard

Procure To Pay (P2P)  
Creating a Dataset in Amazon QuickSight

AWS account access

Content preferences

6. Now let's generate a visual with forecast. Ask Q for the sales by month from 2022 to 2023 Select BUILD. Add this graph to your analysis, selecting ADD TO ANALYSIS

7. Once the visual has been added, press the slide button →| in the right top corner to close the Build a visual window. Then click on the Edit with Q button on the top right hand side of the visual.

8. Type change to quarter and watch the visual adjust.

Data X  
Dataset: SPICE Sales Orders 100%  
Search fields   
+ CALCULATED FIELD  
  
 Visuals X  
CHANGE VISUAL TYPE  
KPI LAYOUTS  
Key Performance Indicator (KPI)  
  
Sheet 1 +  
  
VALUE: net\_value\_of\_the\_document\_item\_in\_document\_currency  
TARGET VALUE: Add a measure  
TREND GROUP: Add a dimension

8,111,259.72



## Build a visual

Record Created On between Oct 6, 2017 and Nov 27, 2023

sales by month from 2022 to 2023

BUILD

## SUGGESTED

how many unique sales, grouped by ...

how many distinct sales, grouped by ...

how many unique order reasons by s...

how many unique sales offices by or...

how many sales offices by customer ...

how many customers are grouped by...

how many order reasons by sales gro...

how many sales offices by item?



QuickSight interface showing the Data and Visuals panels.

**Data Panel:**

- Dataset: SPICE Sales Orders (selected)
- Search fields: billing\_type, billto\_party, customer\_group, distr\_channel, item, material, material\_group, net\_price, net\_value\_of\_the\_document\_it..., number\_of\_order\_items, order\_reason, payer, record\_created\_on, sales\_doc\_type, sales\_group, sales\_office, sales\_org, sd\_document, shipto\_party, soldto\_party

**Visuals Panel:**

- CHANGE VISUAL TYPE: Key Performance Indicator (KPI)
- KPI LAYOUTS: Set Value Of The Document Item In Document Currency
- VALUE: net\_value\_of\_the\_document\_it...
- TARGET VALUE: Add a measure
- TREND GROUP: Add a dimension

A large numerical value **8,111,259.72** is displayed in the center of the workspace.

Build a visual  
Record Created On between Oct 6, 2017 and Nov 27, 2023

**sales by month from 2022 to 2023** BUILD

**SUGGESTED**

- how many unique sales, grouped by ...
- how many distinct sales, grouped by ...
- how many unique order reasons by s...
- how many unique sales offices by or...
- how many sales offices by customer ...
- how many customers are grouped by...
- how many order reasons by sales gro...
- how many sales offices by item?

DATA

Dataset: SPICE Sales Orders (100%)

Search fields:

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
# net\_value\_of\_the\_document\_it...  
# number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document  
shipto\_party  
soldto\_party

Visuals

+ ADD ▾ BUILD

CHANGE VISUAL TYPE: Key Performance Indicator (KPI)

KPI LAYOUTS

VALUE: net\_value\_of\_the\_document\_it...

TARGET VALUE: Add a measure

TREND GROUP: Add a dimension

Sheet 1 +

# 8,111,259.72

< Build a visual

sales by month from 2022 to 2023

Interpreted as: Total Net Value Of The Document Item In Document Currency by month from 2022 to 2023.

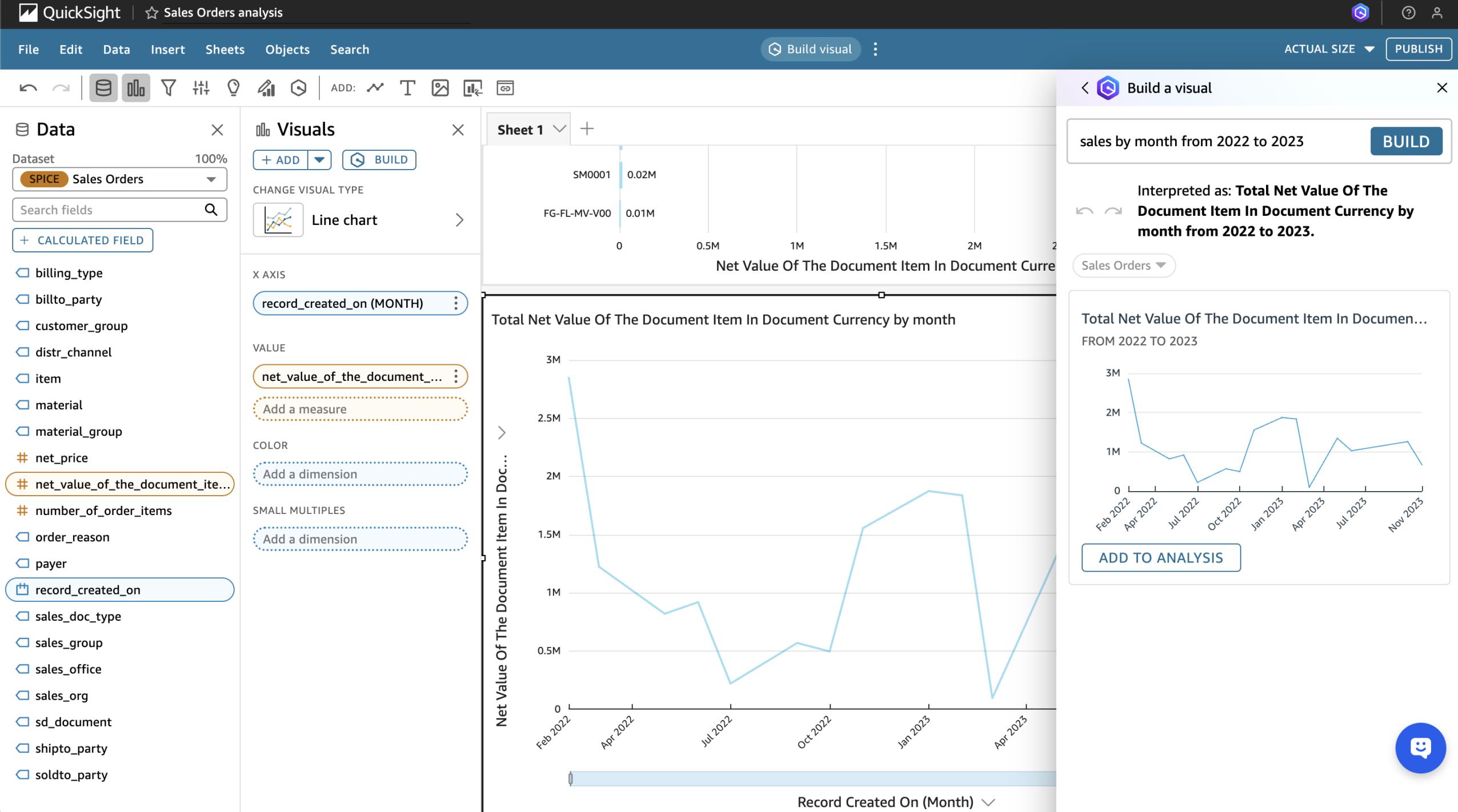
Sales Orders

Total Net Value Of The Document Item In Document...

FROM 2022 TO 2023

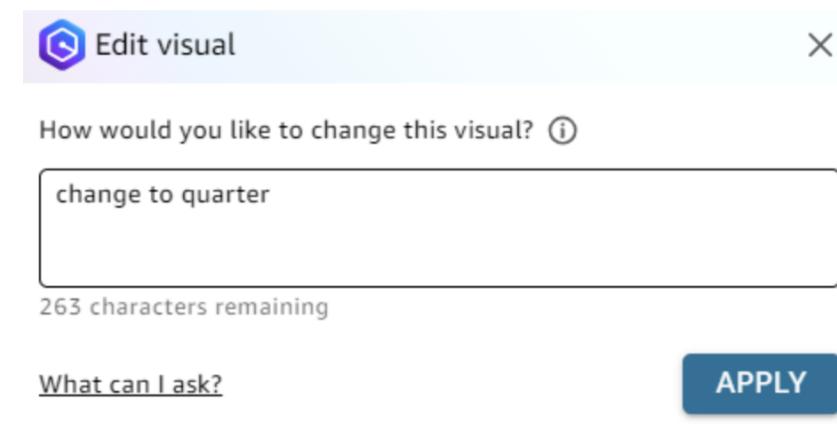
ADD TO ANALYSIS



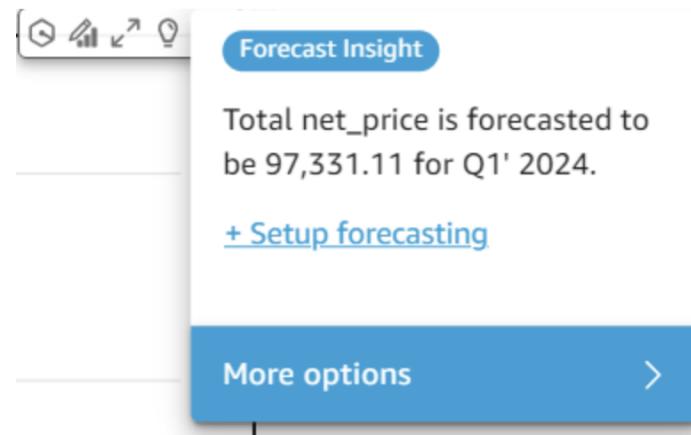


Copied!

8. Type change to quarter  to match the visual adjust.



Click on the lightbulb icon for insights, and click **+Setup forecasting**.



9. Change the forecast forward value to 6. Select **APPLY** and close the **Forecast properties** window by clicking on X.



▼ 1.Introduction

SAP Environment

▼ 2.Review the deployed services

Examine the Amazon AppFlow Flows

Query extracted SAP data in Amazon Redshift

▼ 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities

▼ Order To Cash (OTC)

Creating a Dataset in Amazon QuickSight

Creating a Topic from this Dataset

Creating a Analysis on this Topic

**Creating a Dashboard with Generative BI support**

Publishing the Dashboard

▼ Procure To Pay (P2P)

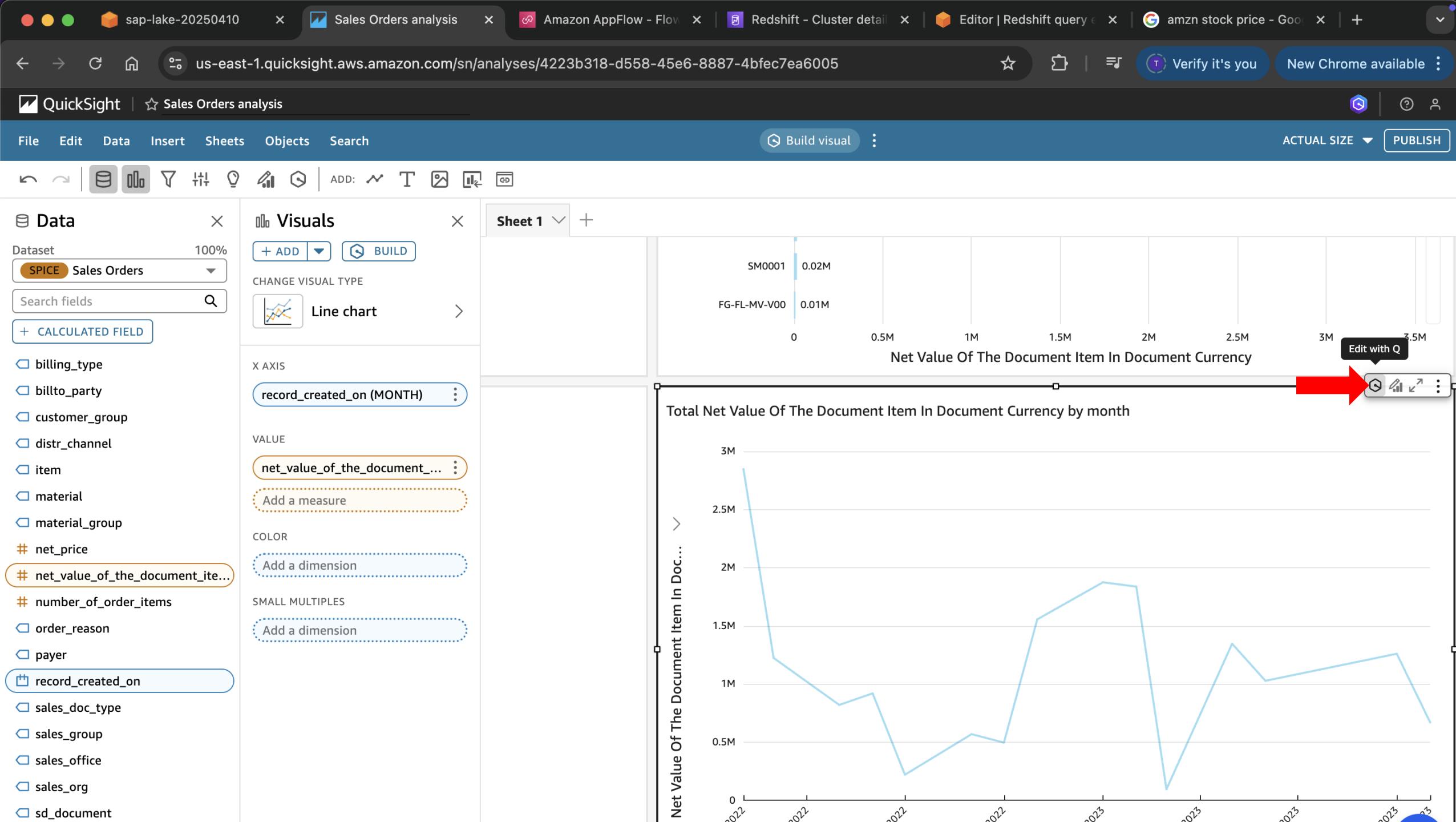
Creating a Dataset in Amazon QuickSight

► AWS account access

► Content preferences

Exit event



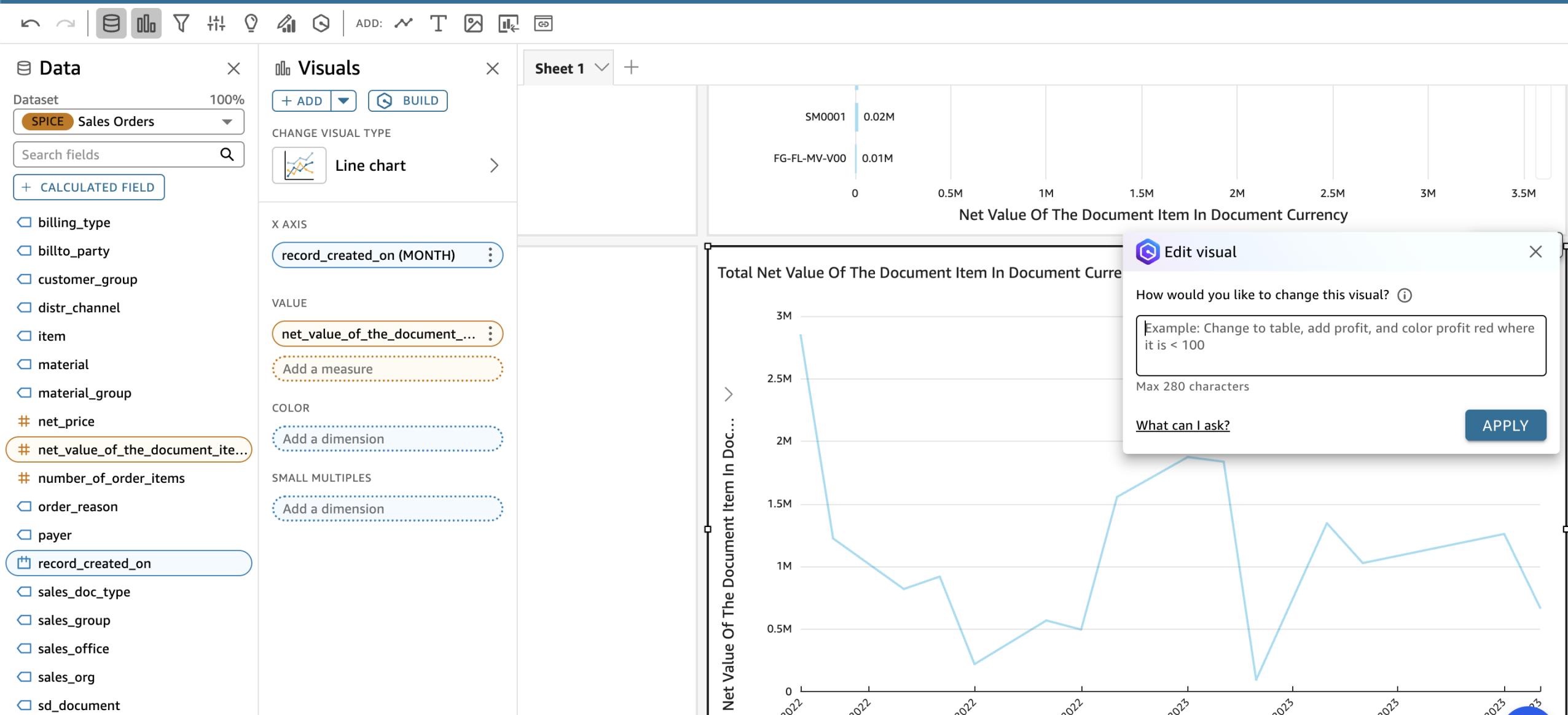


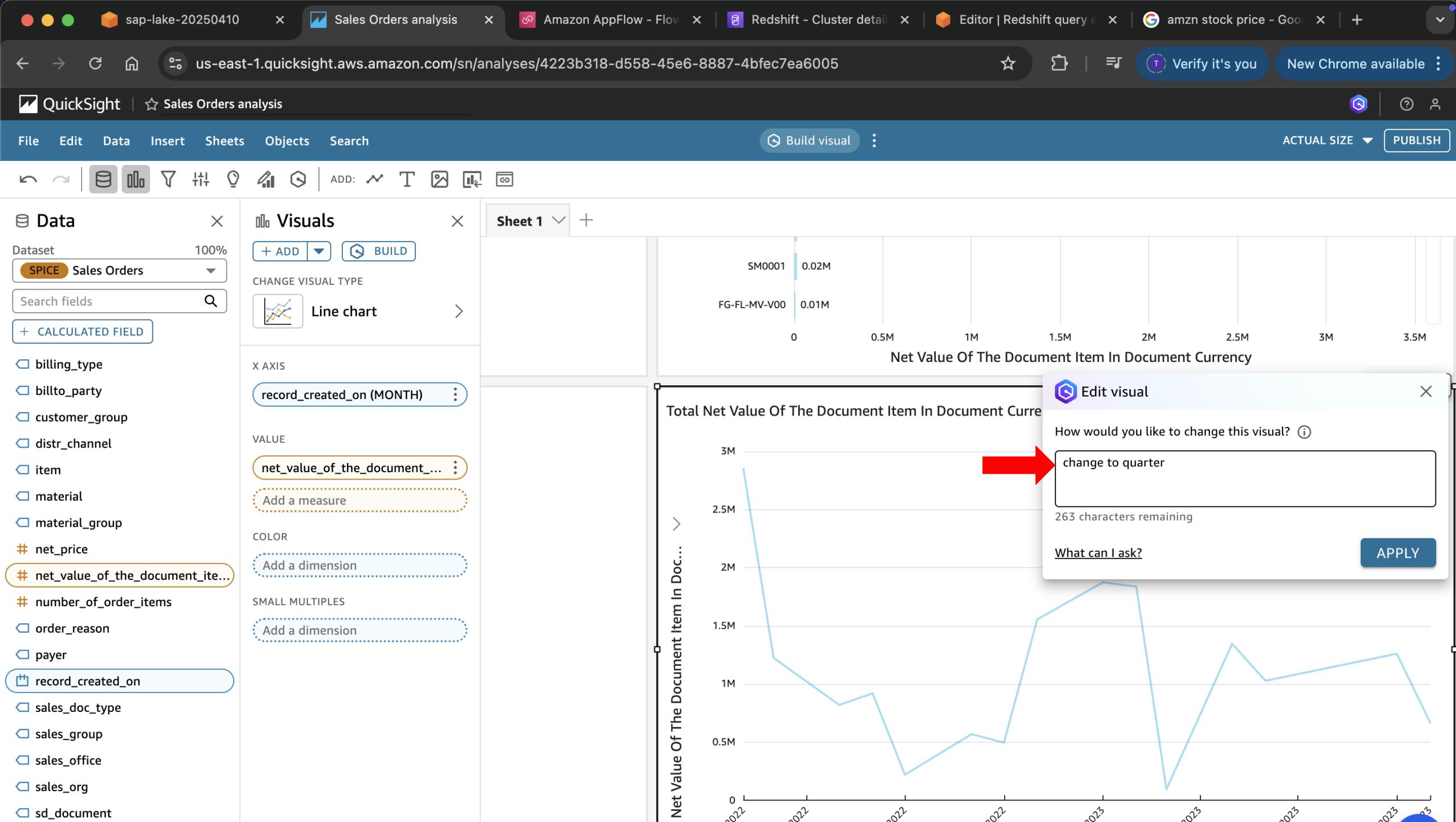
 QuickSight |  Sales Orders analysis

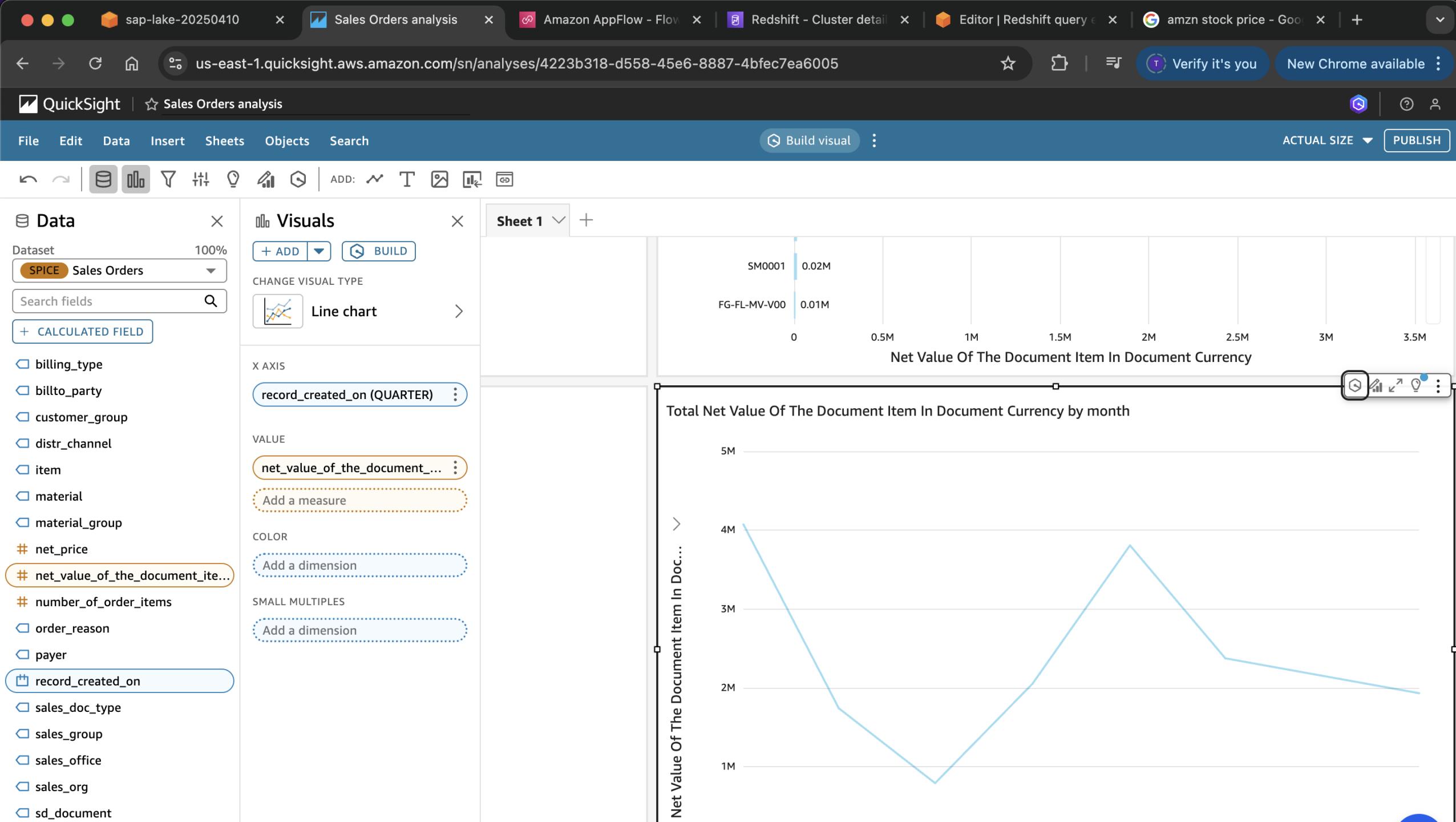
File Edit Data Insert Sheets Objects Search

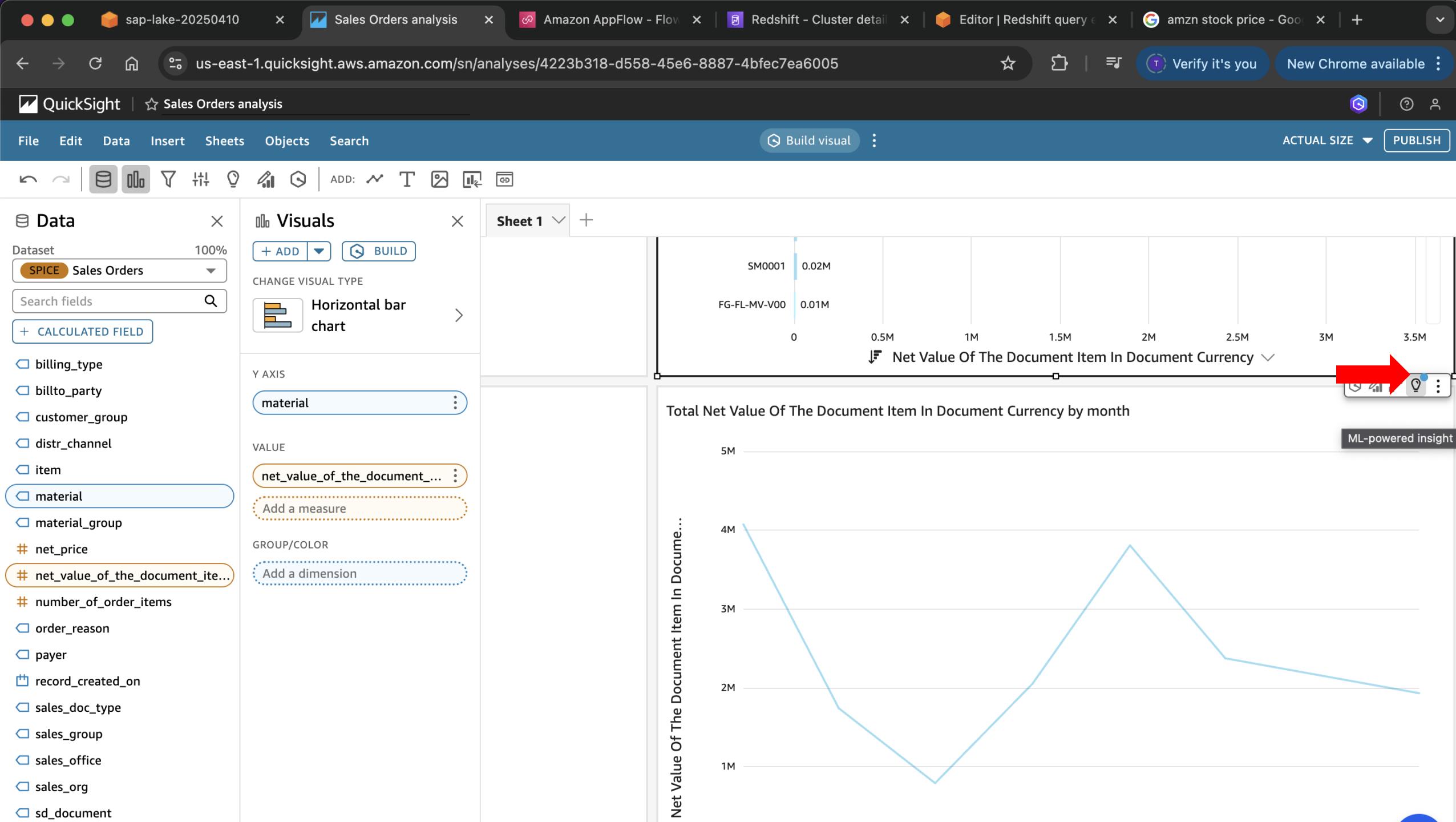
 Build visual

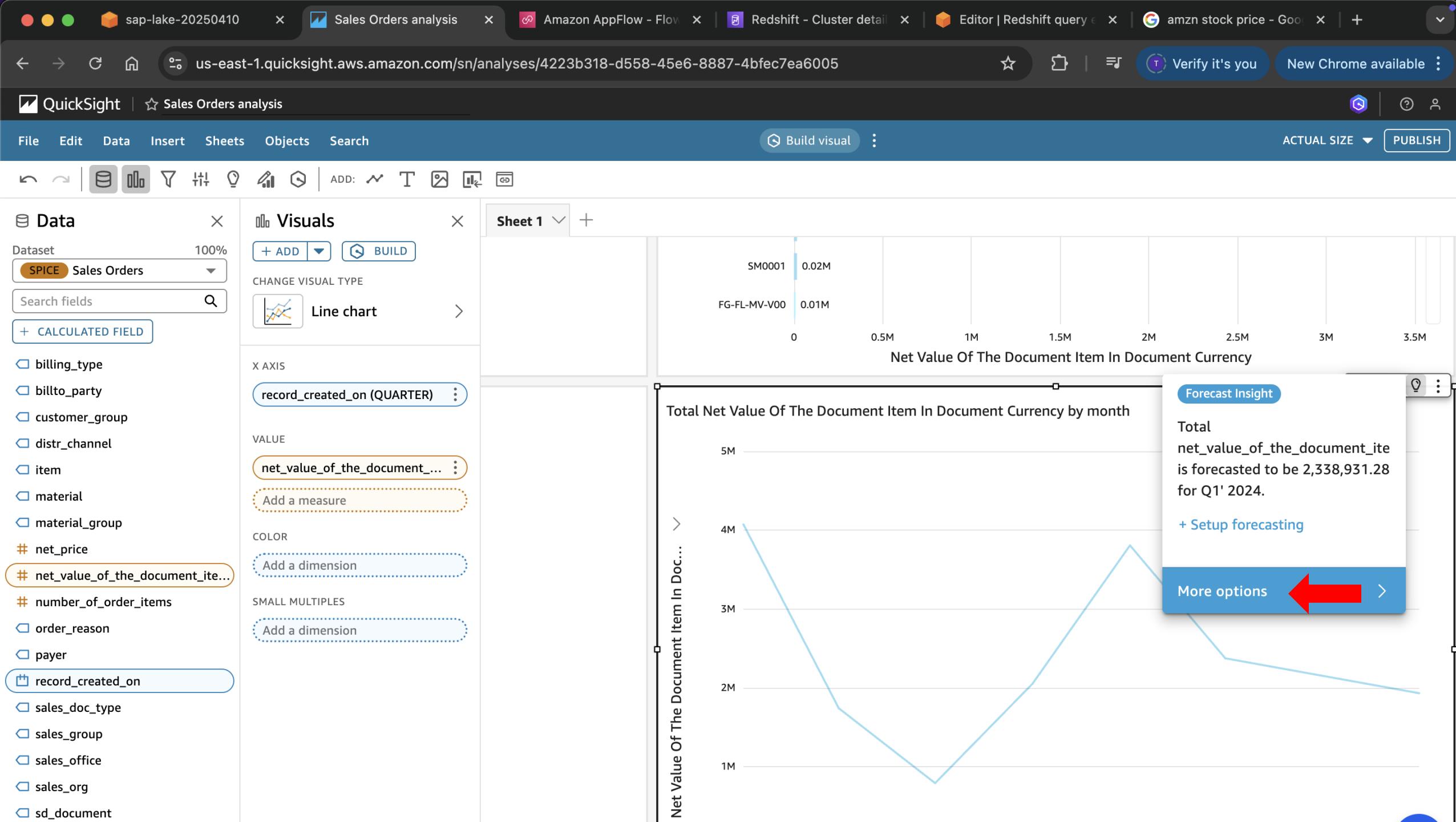
**PUBLISH**

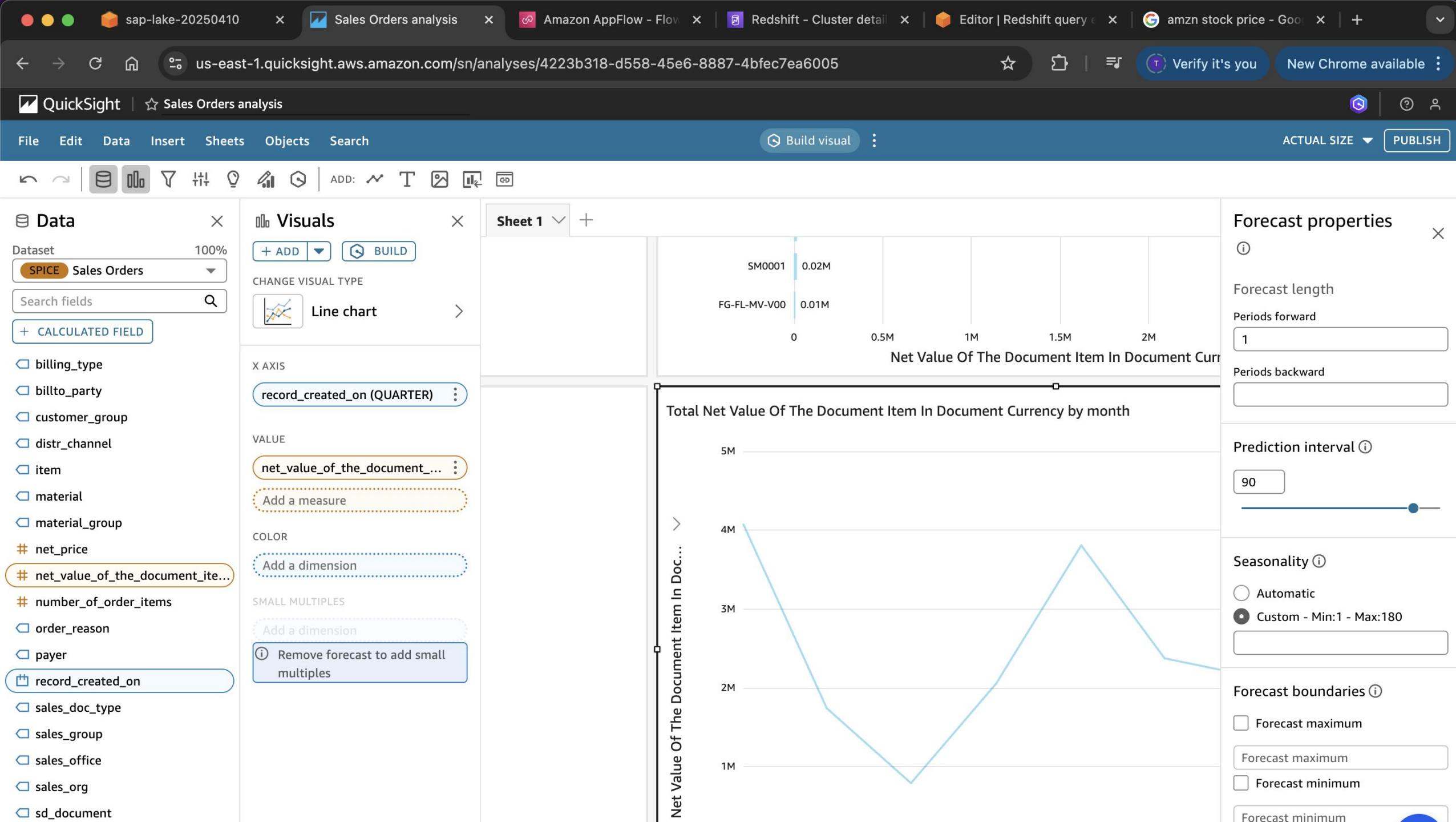


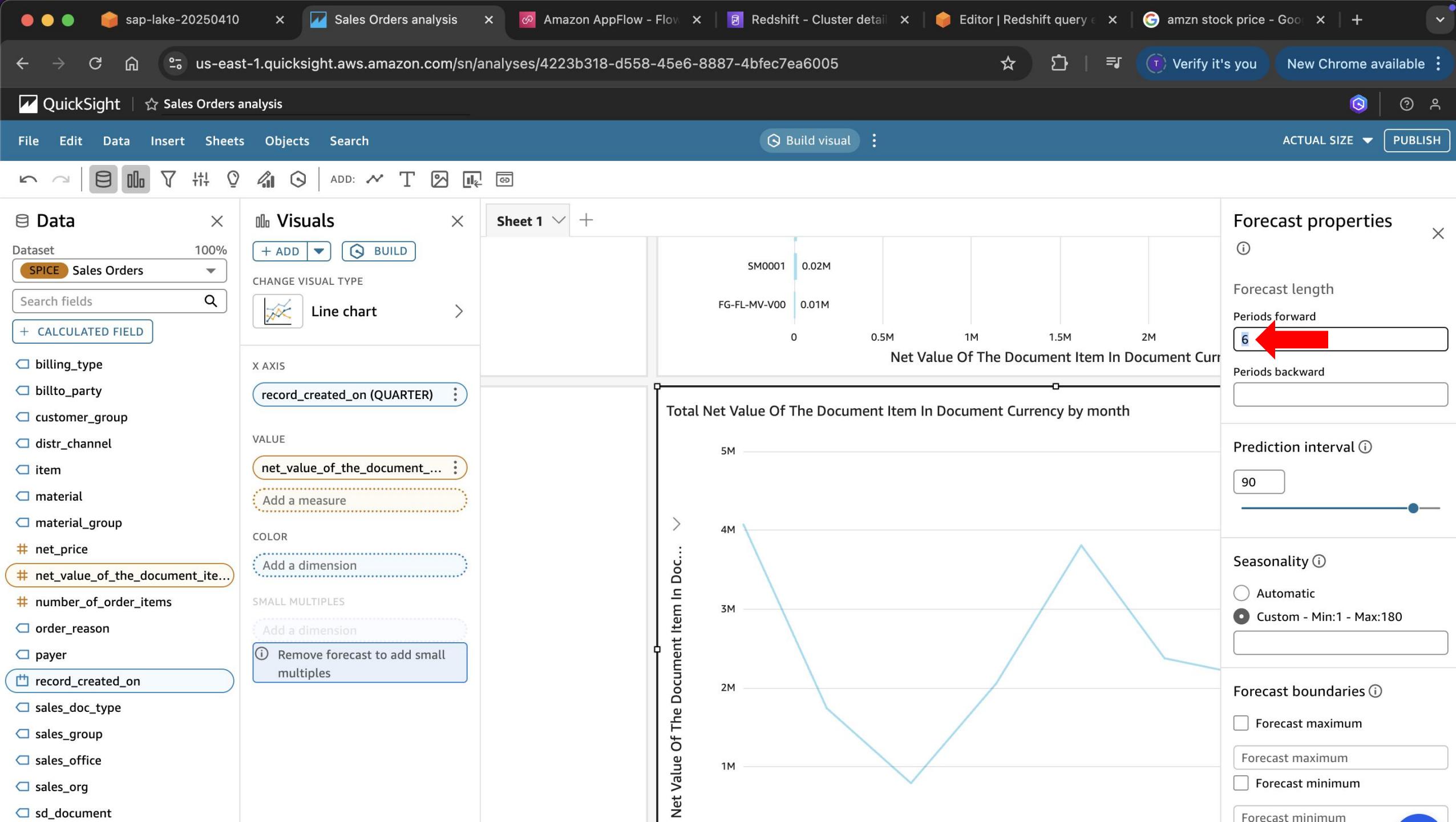


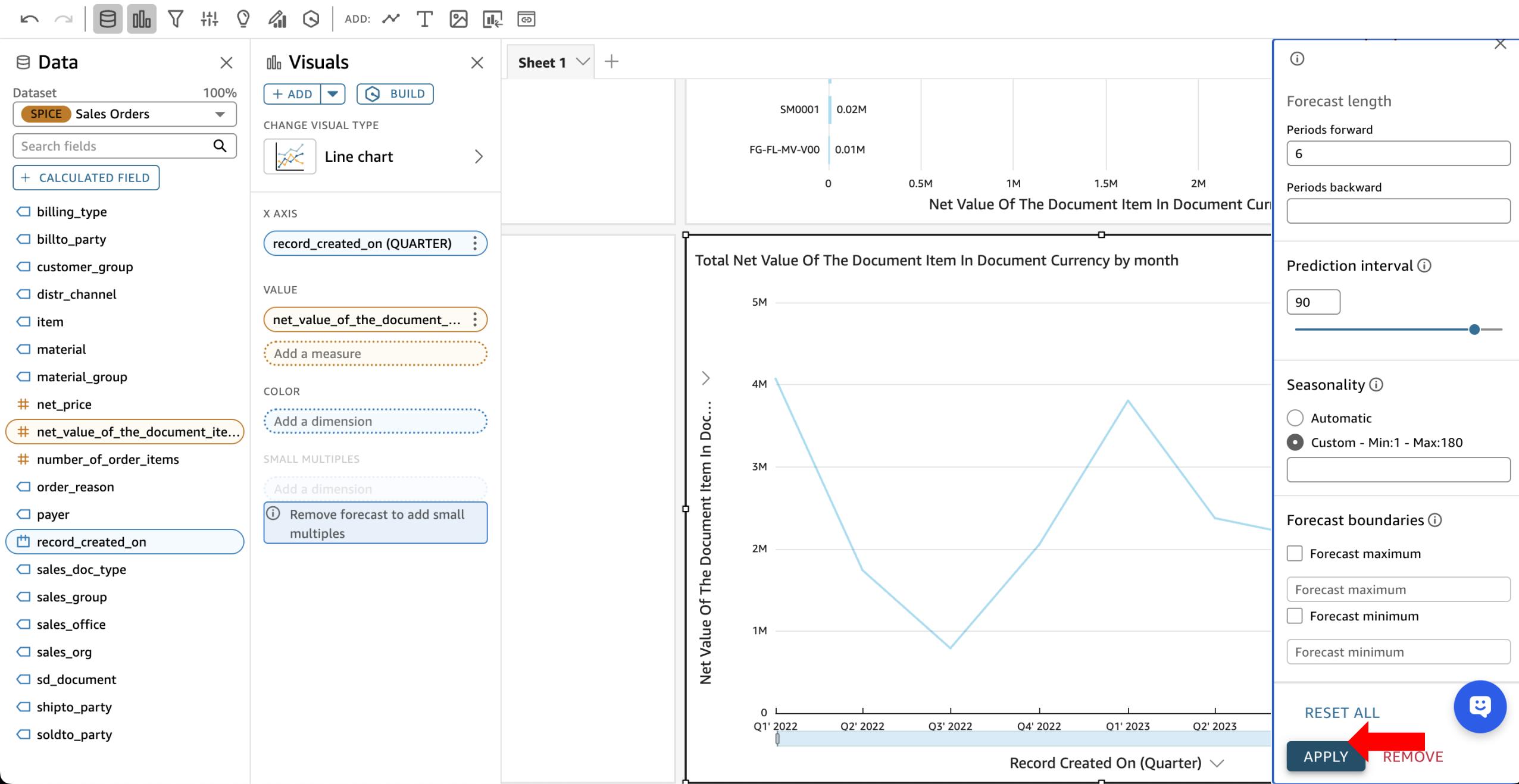


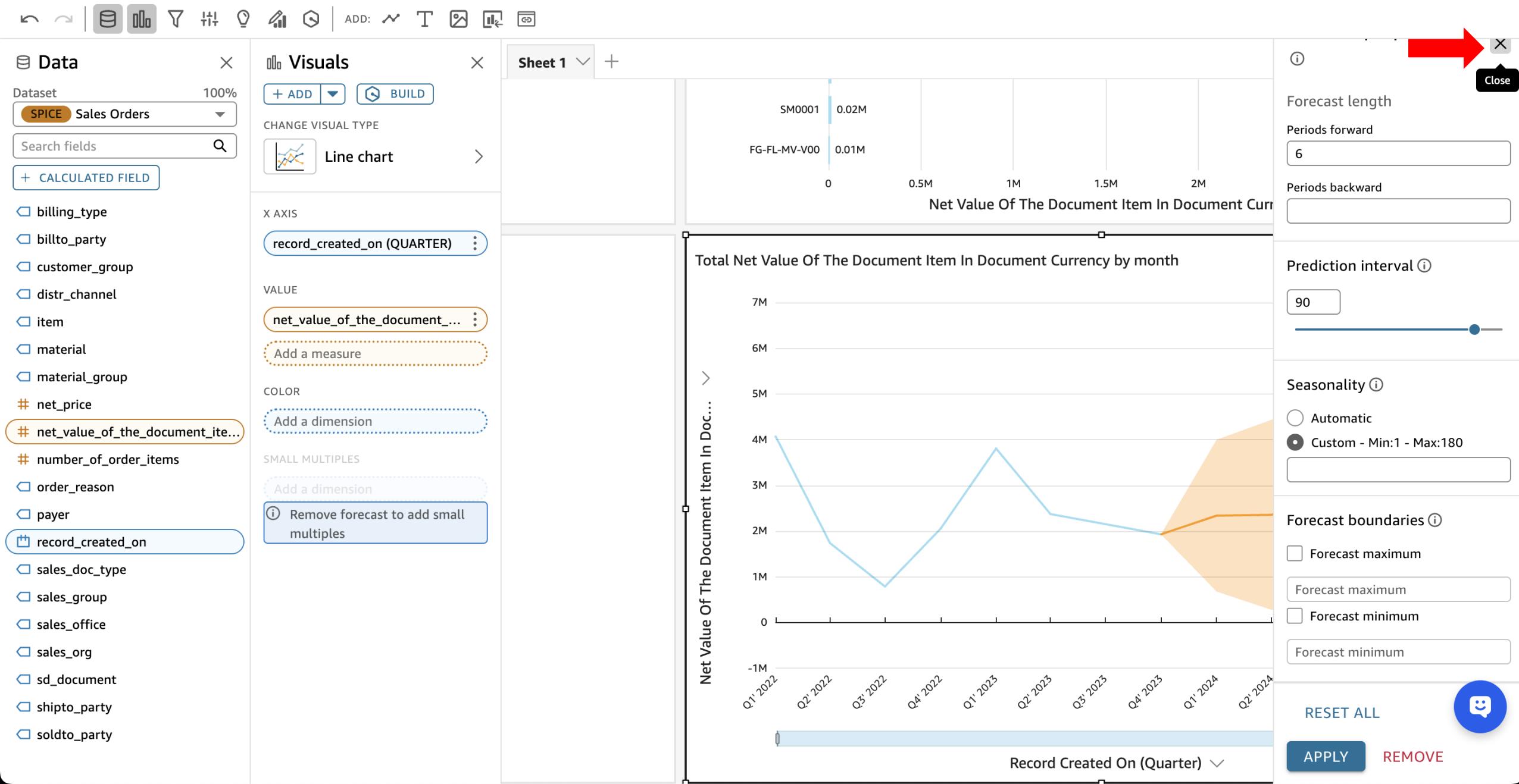


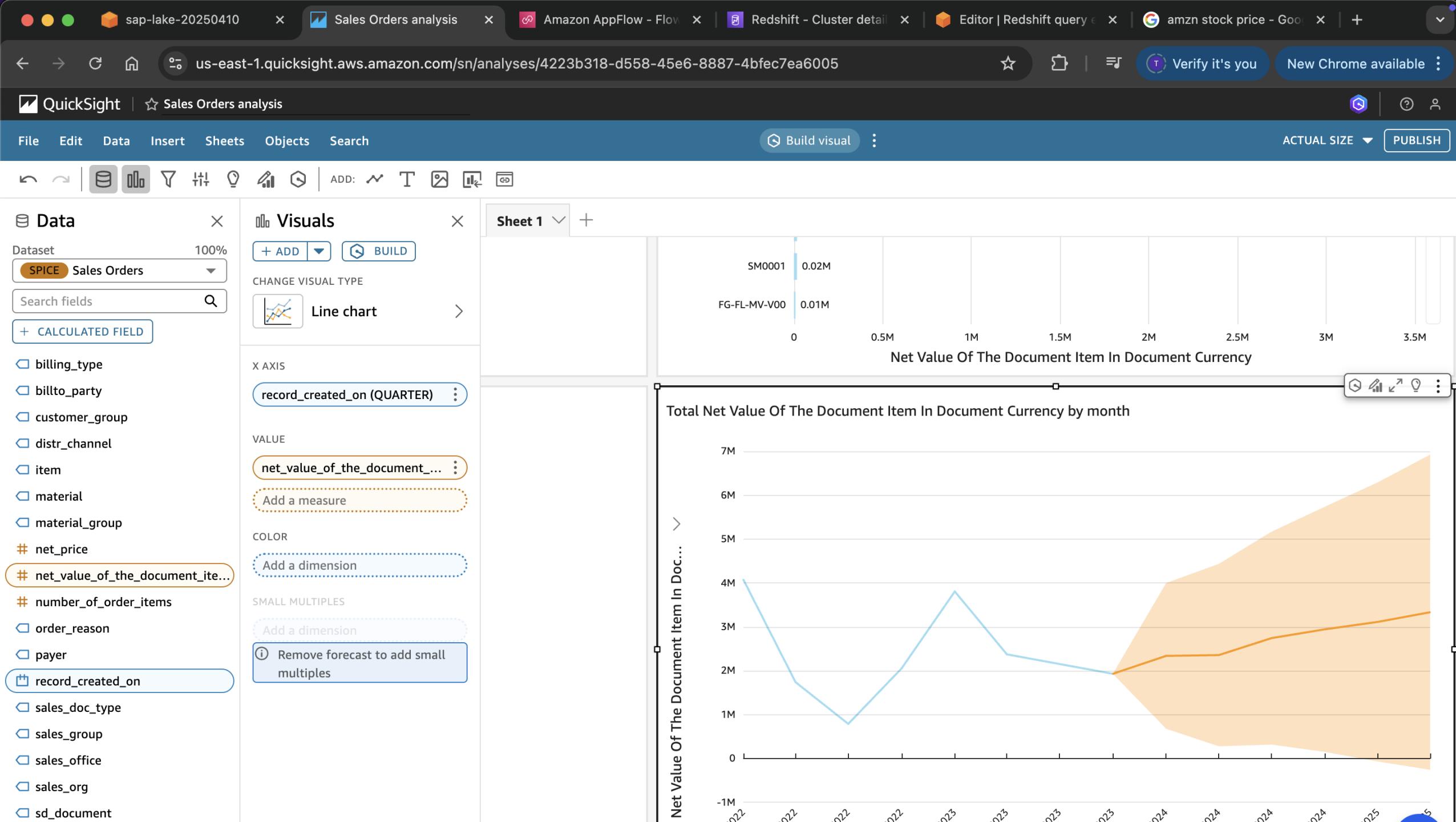












Sap-lake-20250410 Sales Orders analysis Amazon AppFlow - Flow Redshift - Cluster detail Editor | Redshift query amzn stock price - Google

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab03-dashboard/otc/lab03-6-dashb... Verify it's you New Chrome available

aws workshop studio michael\_tw\_lin Copied!

1.Introduction SAP Environment

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- Publishing the Dashboard

Procure To Pay (P2P)

- Creating a Dataset in Amazon QuickSight

AWS account access

Content preferences

10. To create another visual, open Q one more time selecting **Build Visual**, and ask for material group sales comparison  click **BUILD**.

11. Let's keep your analysis for and make it for the current year, add the *in 2024* at the end of the request and click **BUILD**.

**Build a visual**

material group sales comparison in 2024 **BUILD**

Interpreted as: Total Net Value Of The Document Item In Document Currency by Material Group. 

Sales Orders

Total Net Value Of The Document Item In Document...

Material Group	Total Net Value
ZRACING	53.16M
ZCRUISE	48.74M
ZMTN	42.3M
ZYOUTH	21.99M
L004	3.33M
L001	0.85M
YBMM01	0.08M
P001	0.01M
L003	0M
L006	0M

ADD TO ANALYSIS

Sap-lake-20250410 x Sales Orders analysis x Amazon AppFlow - Flow x Redshift - Cluster detail x Editor | Redshift query x amzn stock price - Google x +

us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

Verify it's you New Chrome available

# QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search Build visual

ACTUAL SIZE PUBLISH

**Data**

Dataset: SPICE Sales Orders (100%)

Search fields:

+ CALCULATED FIELD

billing\_type  
billto\_party  
customer\_group  
distr\_channel  
item  
material  
material\_group  
net\_price  
# net\_value\_of\_the\_document\_it...  
# number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

**Visuals**

+ ADD BUILD CHANGE VISUAL TYPE Line chart

X AXIS: record\_created\_on (QUARTER)

VALUE: net\_value\_of\_the\_document\_it...

COLOR: Add a dimension

SMALL MULTIPLES: Add a dimension

Remove forecast to add small multiples

Sheet 1 +

Net Value Of The Document Item In Doc...

Total Net Value Of The Document Item In Document Curren...

Net Value Of The Document Item In Doc...

0 0.5M 1M 1.5M

0.02M 0.01M

0 1M 2M 3M 4M 5M 6M 7M

2022 2022 2022 2023 2023 2023

SM0001 0.02M

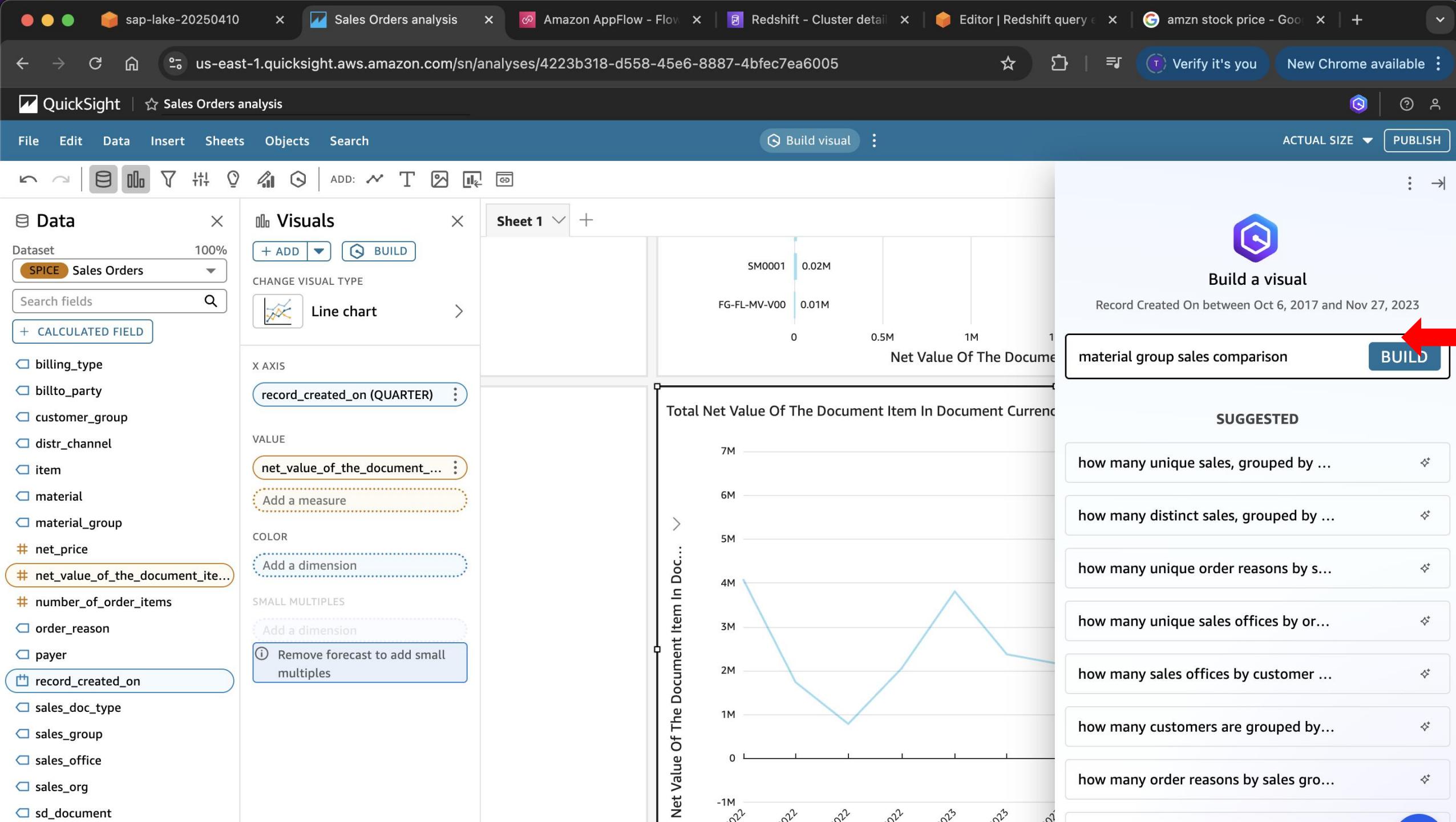
FG-FL-MV-V00 0.01M

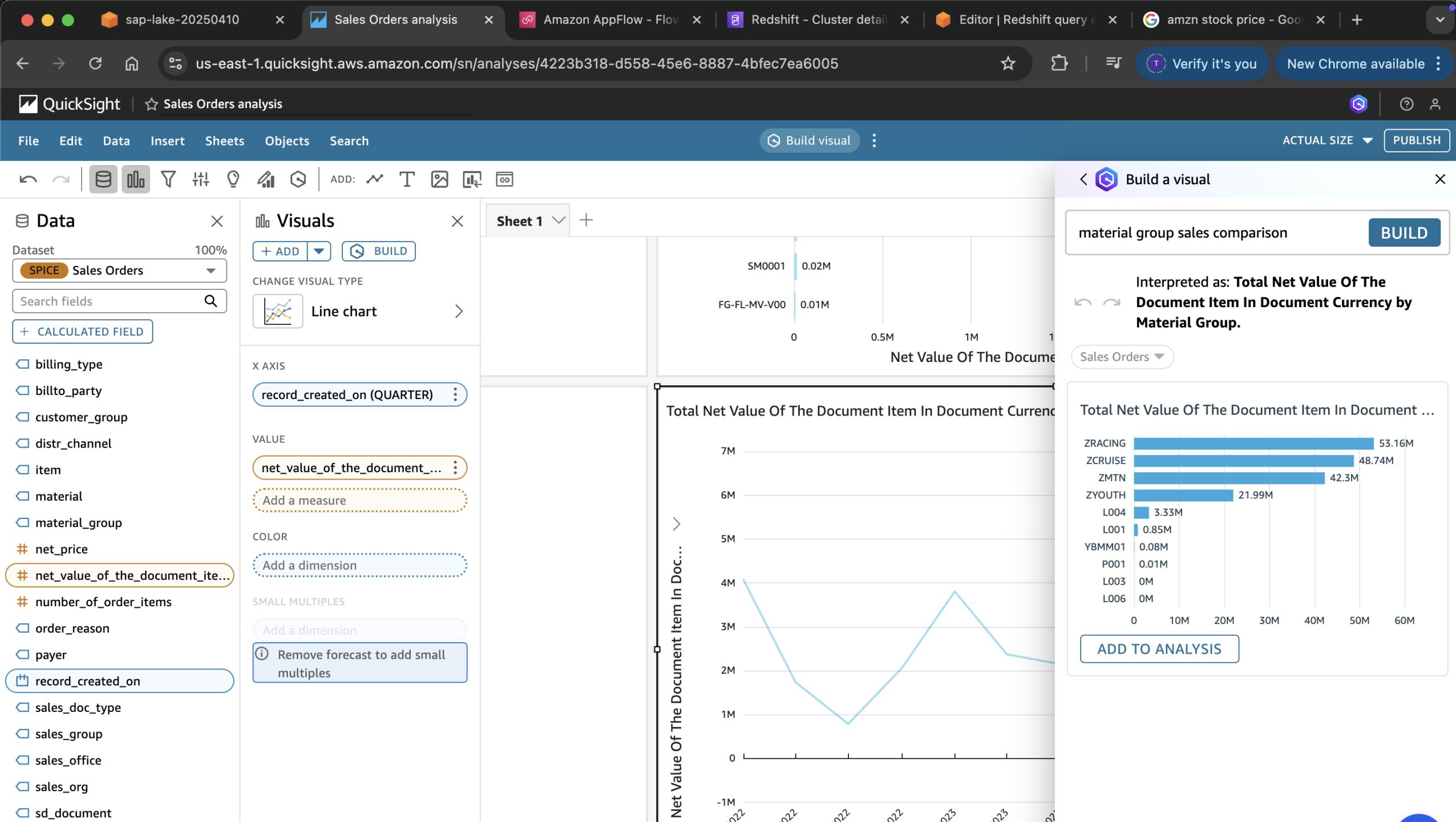
Build a visual Record Created On between Oct 6, 2017 and Nov 27, 2023

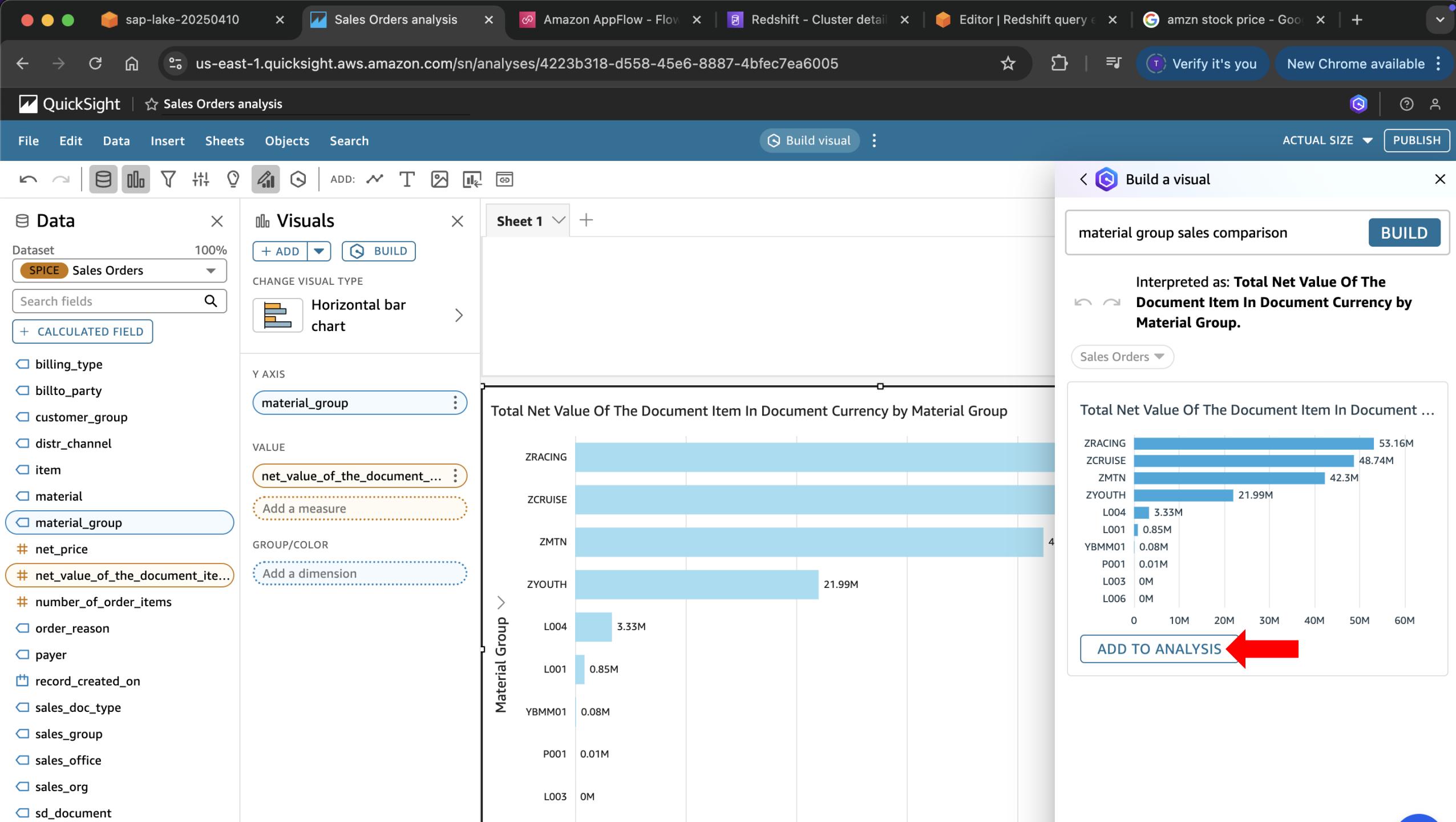
material group sales comparison **BUILD**

**SUGGESTED**

- how many unique sales, grouped by ...
- how many distinct sales, grouped by ...
- how many unique order reasons by s...
- how many unique sales offices by or...
- how many sales offices by customer ...
- how many customers are grouped by...
- how many order reasons by sales gro...







catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab03-dashboard/otc/lab03-7-publish

Verify it's you New Chrome available

aws workshop studio michael\_tw\_lin

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Procure To Pay (P2P)

- Creating a Dataset in Amazon QuickSight

AWS account access

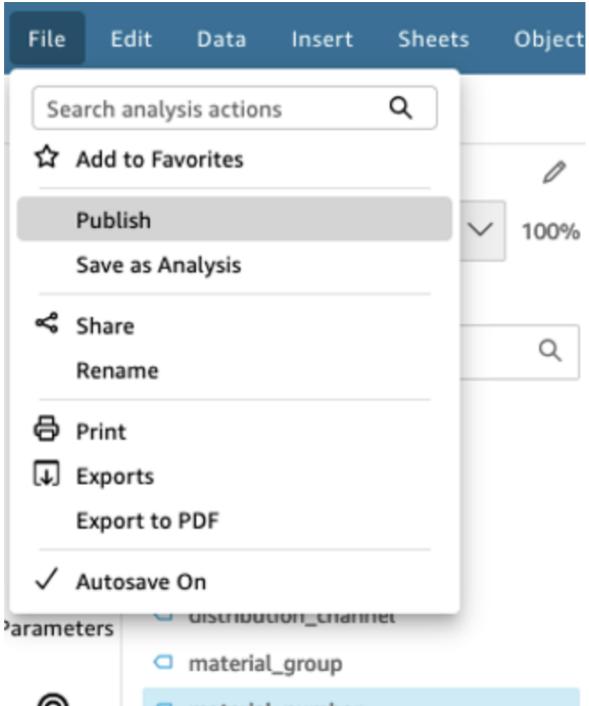
Content preferences

Event dashboard > 3.Creating an Amazon QuickSight dashboard using Generative BI capabilities > Order To Cash (OTC) > Publishing the Dashboard

# Publishing the Dashboard

1. Now that your dashboard is ready, let's publish it. To do that, select **File** and then **Publish** from main Amazon QuickSight menu.

**(i)** You may resize the visuals, delete empty graphs, change names, and add titles before you publish. You may also do it later.



us-east-1.quicksight.aws.amazon.com/sn/analyses/4223b318-d558-45e6-8887-4bfec7ea6005

Verify it's you New Chrome available

QuickSight | Sales Orders analysis

File   Data Insert Sheets Objects Search Build visual ... ACTUAL SIZE ▾ PUBLISH

Add to Favorites

Publish

Save as Analysis

Share

Rename

Import Beta

Print

Exports

Export to PDF

Autosave On

item

material

material\_group  

# net\_price

# net\_value\_of\_the\_document\_it...  

# number\_of\_order\_items

order\_reason

payer

record\_created\_on

sales\_doc\_type

sales\_group

sales\_office

sales\_org

sd\_document

Visuals  

+ ADD ▾ BUILD

CHANGE VISUAL TYPE

Horizontal bar chart  

Y AXIS

material\_group ...

VALUE

net\_value\_of\_the\_document\_it... ...

Add a measure

GROUP/COLOR

Add a dimension

Total Net Value Of The Document Item In Document Currency by Material Group

Material Group

Material Group	Value
ZRACING	53.16M
ZCRUISE	48.74M
ZMTN	42.3M
ZYOUTH	21.99M
L004	3.33M
L001	0.85M
YBMM01	0.08M
P001	0.01M
L003	0M

Properties

Visual : Interactions

Display Settings

Y-axis

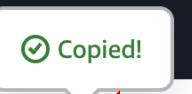
X-axis

Reference lines

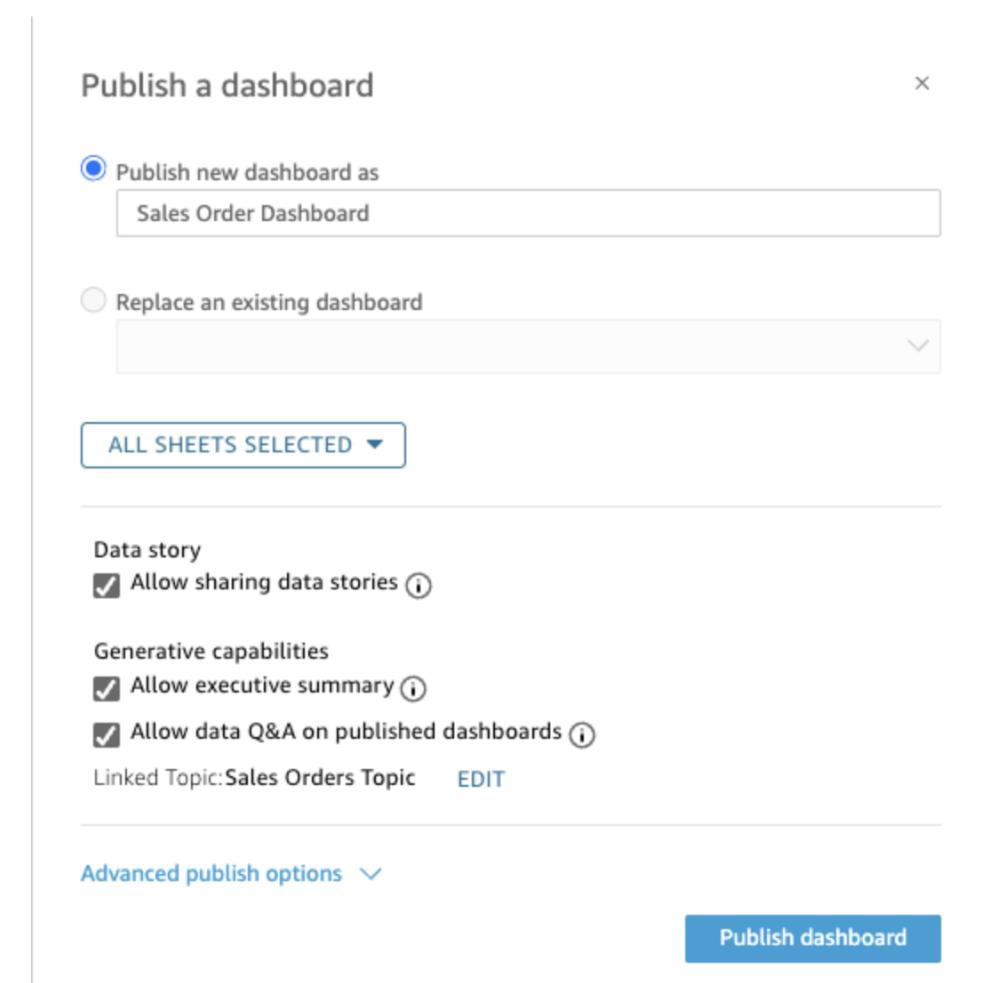
Data labels  

The chart displays the total net value of document items categorized by material group. The x-axis represents the value in millions, ranging from 0M to over 50M. The y-axis lists the material groups. The bars are blue, and the exact value is labeled at the end of each bar.

Material Group	Value
ZRACING	53.16M
ZCRUISE	48.74M
ZMTN	42.3M
ZYOUTH	21.99M
L004	3.33M
L001	0.85M
YBMM01	0.08M
P001	0.01M
L003	0M

 Copied!

2. Under the Publish a dashboard dialog, enter the name Sales Orders Dashboard  dashboard and select Publish dashboard.



Once it's published, it will open it automatically for visualization. You may also find it under Dashboards on the main QuickSight screen.

[Previous](#)[Next](#)

## QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

ACTUAL SIZE PUBLISH



## Data

Dataset

SPICE Sales Orders

Search fields

+ CALCULATED FIELD

billing\_type

billto\_party

customer\_group

distr\_channel

item

material

material\_group

# net\_price

# net\_value\_of\_the\_document\_it...

# number\_of\_order\_items

order\_reason

payer

record\_created\_on

sales\_doc\_type

sales\_group

sales\_office

sales\_org

sd\_document

shipto\_party

soldto\_party

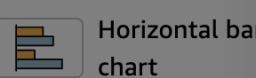
## Visuals

+ ADD



BUILD

CHANGE VISUAL TYPE



Horizontal bar chart

Y AXIS

material\_group

VALUE

net\_value\_of\_the\_document\_ite...

Add a measure

GROUP/COLOR

Add a dimension

## Publish dashboard

New dashboard

Replace existing dashboard

Dashboard name

New dashboard 1

Select sheets

All sheets

## Data story

 Allow sharing data stories 

## Generative capabilities

 Allow executive summary  Allow data Q&A Source: Sales Orders Topic [UNLINK TOPIC](#)

## MORE SETTINGS

Add notes (optional)

Only owners of this dashboard will see this note under version history

PUBLISH DASHBOARD

## Properties

Visual

Interactions

&gt; Display Settings

&gt; Y-axis

&gt; X-axis

&gt; Reference lines

&gt; Data labels



## QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

ACTUAL SIZE PUBLISH



## Data

Dataset

SPICE

Sales Orders

100%

Search fields



+ CALCULATED FIELD

billing\_type

billto\_party

customer\_group

distr\_channel

item

material

material\_group

net\_price

# net\_value\_of\_the\_document\_it...

# number\_of\_order\_items

order\_reason

payer

record\_created\_on

sales\_doc\_type

sales\_group

sales\_office

sales\_org

sd\_document

shipto\_party

soldto\_party

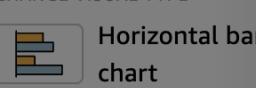
## Visuals

+ ADD



BUILD

CHANGE VISUAL TYPE



Horizontal bar chart

Y AXIS

material\_group

VALUE

net\_value\_of\_the\_document\_it...

Add a measure

GROUP/COLOR

Add a dimension

## Publish dashboard

New dashboard

Replace existing dashboard

Dashboard name

Sales Orders Dashboard

Select sheets

All sheets

Data story

 Allow sharing data stories 

Generative capabilities

 Allow executive summary  Allow data Q&A Source: Sales Orders Topic [UNLINK TOPIC](#)

## MORE SETTINGS

Add notes (optional)

Only owners of this dashboard will see this note under version history

PUBLISH DASHBOARD

## Properties

Visual

Interactions

&gt; Display Settings

&gt; Y-axis

&gt; X-axis

&gt; Reference lines

&gt; Data labels



## QuickSight | Sales Orders analysis

File Edit Data Insert Sheets Objects Search

Build visual

ACTUAL SIZE PUBLISH



## Data

Dataset

SPICE Sales Orders

Search fields

+ CALCULATED FIELD

billing\_type

billto\_party

customer\_group

distr\_channel

item

material

material\_group

# net\_price

# net\_value\_of\_the\_document\_it...

# number\_of\_order\_items

order\_reason

payer

record\_created\_on

sales\_doc\_type

sales\_group

sales\_office

sales\_org

sd\_document

shipto\_party

soldto\_party

## Visuals

+ ADD



BUILD

CHANGE VISUAL TYPE



Y AXIS

material\_group

VALUE

net\_value\_of\_the\_document\_it...

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## MORE SETTINGS

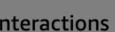
Add notes (optional)

Only owners of this dashboard will see this note under version history

PUBLISH DASHBOARD

## Properties

Visual



Interactions

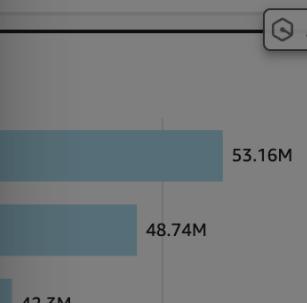
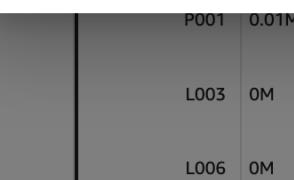
&gt; Display Settings

&gt; Y-axis

&gt; X-axis

&gt; Reference lines

&gt; Data labels





Verify it's you

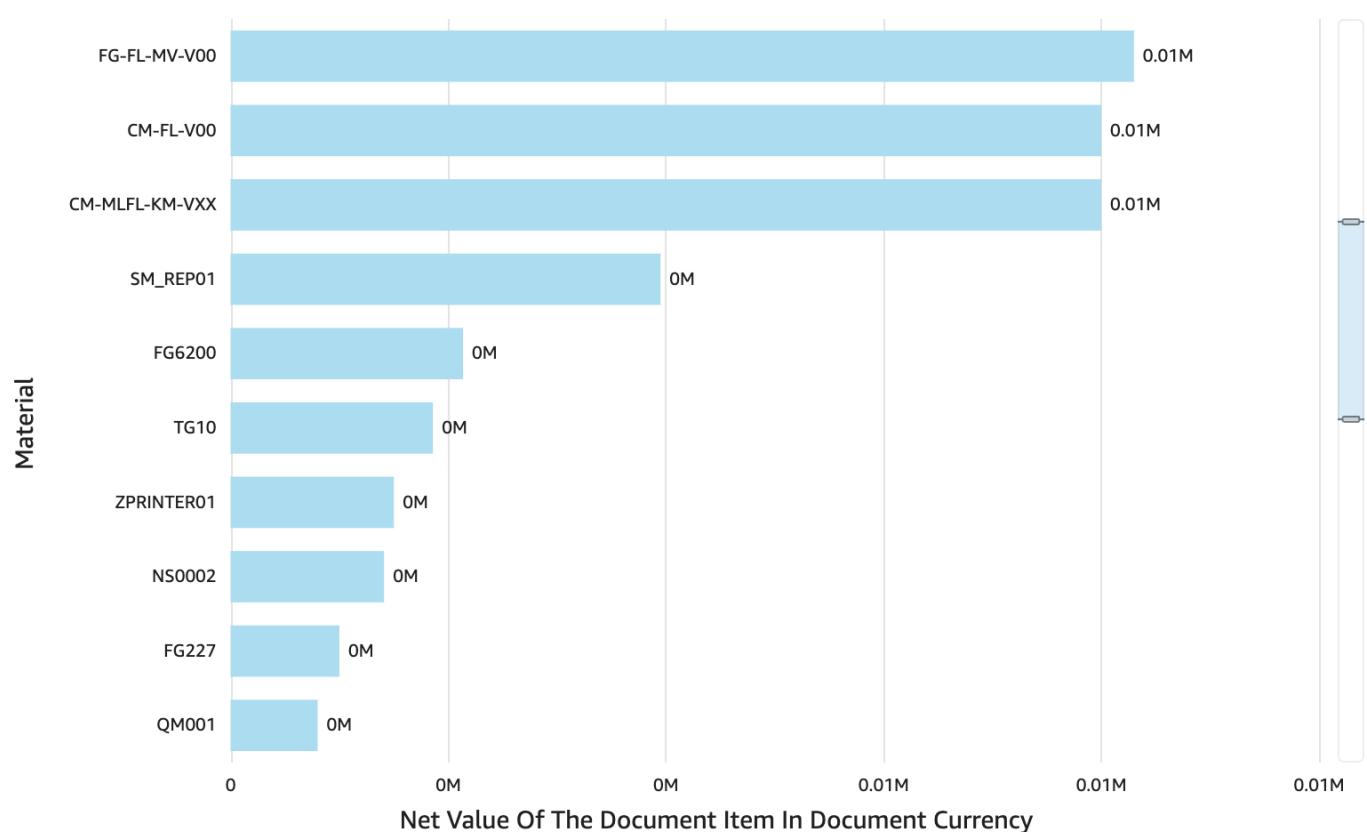
New Chrome available



Ask a question about Sales Orders Topic

Clock icon Globe icon Bookmark icon Download icon Print icon Share icon Refresh icon Bell icon Build icon

## Total Net Value Of The Document Item In Document Currency by Material

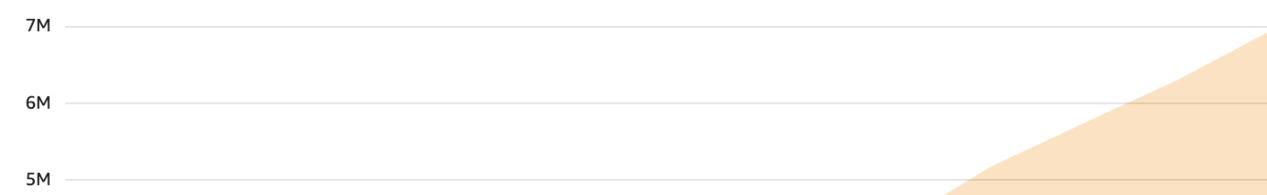


## Total Net Value Of The Document Item In Docu

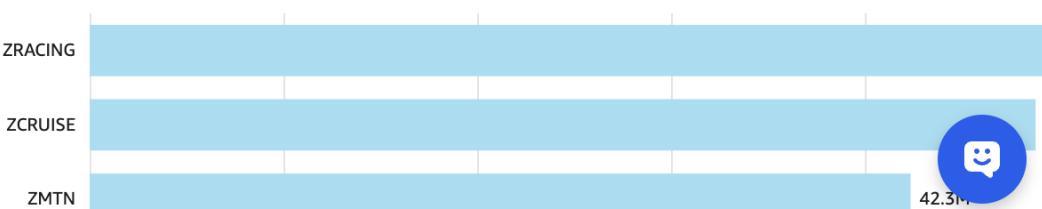
Checkmark icon Click on Share to share this dashboard. X

8,111,259.72

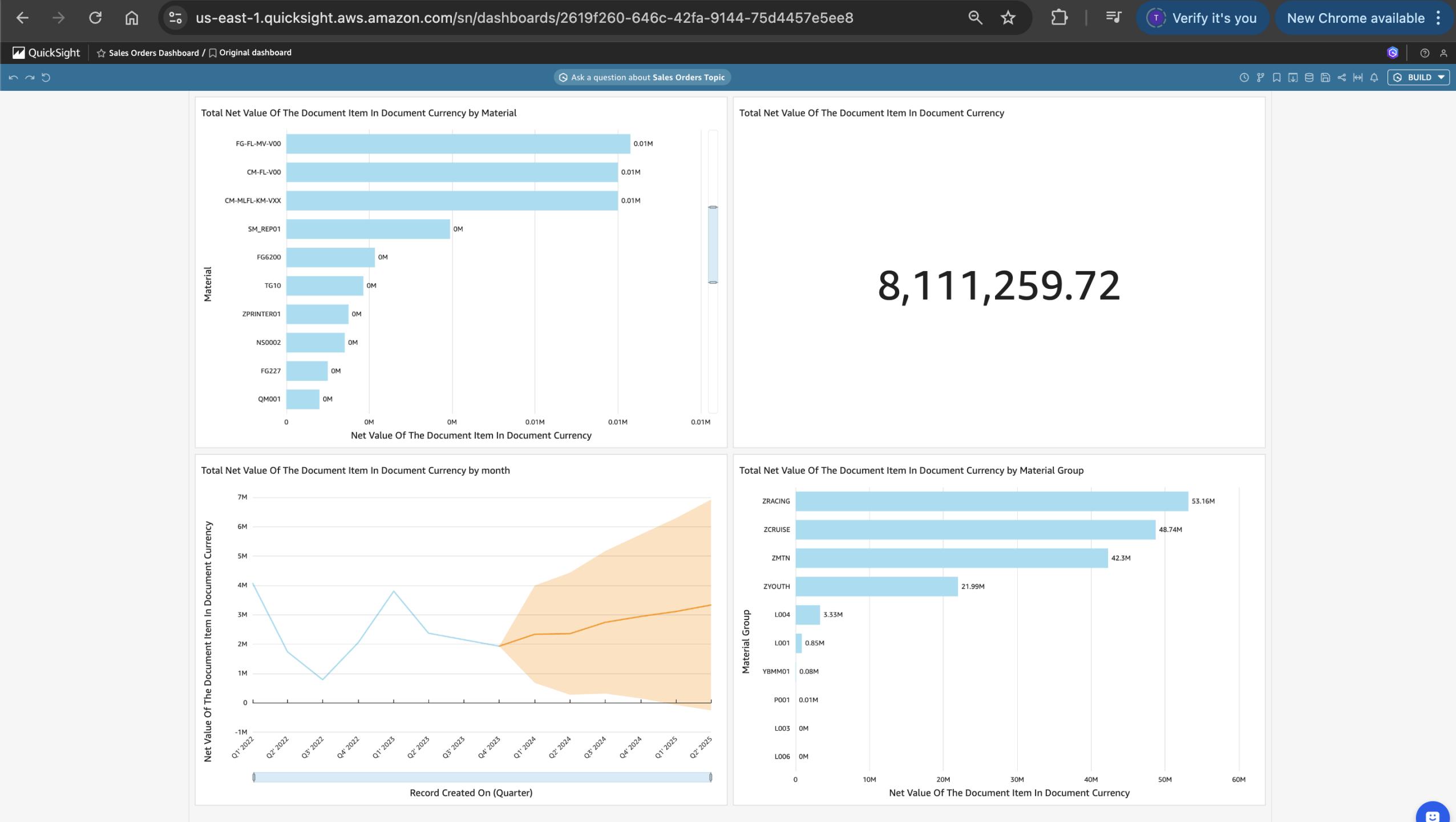
## Total Net Value Of The Document Item In Document Currency by month



## Total Net Value Of The Document Item In Document Currency by Material Group



42.3M





# Thank you!

Michael Lin

[linmicht@amazon.com](mailto:linmicht@amazon.com)