



# Data LakeHouse with SAP Workshop

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Sr. Solutions Architect  
Amazon Web Services



<https://reurl.cc/xNa5p1>



<https://reurl.cc/5KvjDV>

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## Sign in

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Email one-time password (OTP)

Enter your personal or corporate email to receive a one-time password

AWS Builder ID

Login with AWS Builder ID, a new personal profile for builders

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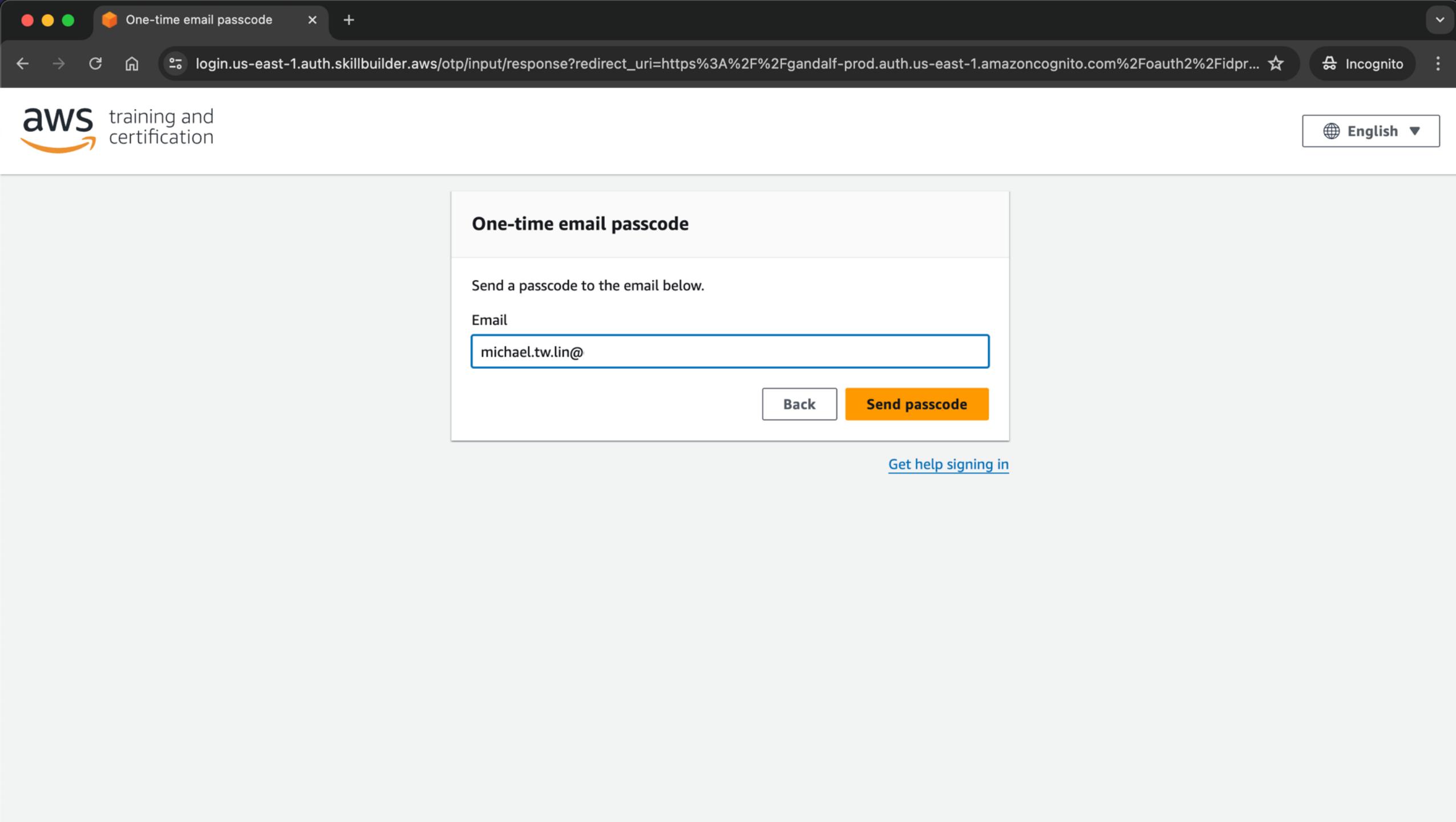
AWS Builder ID

Login with AWS Builder ID, a new personal profile for builders

Amazon employee

Login with your Amazon Corporate account. Only for Amazon Employees.





Verify one-time email passcode

← → ⌛ ⌂ login.us-east-1.auth.skillbuilder.aws/otp/challenge?redirect\_uri=https%3A%2F%2Fgandalf-prod.auth.us-east-1.amazoncognito.com%2Foauth2%2Fidprespo... ☆ Incognito :

aws training and certification

English ▾

## One-time email passcode

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

Passcode (9-digit) [Resend passcode](#)

529717102

Back

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

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Canada, China, Republic of Korea (South Korea)	14
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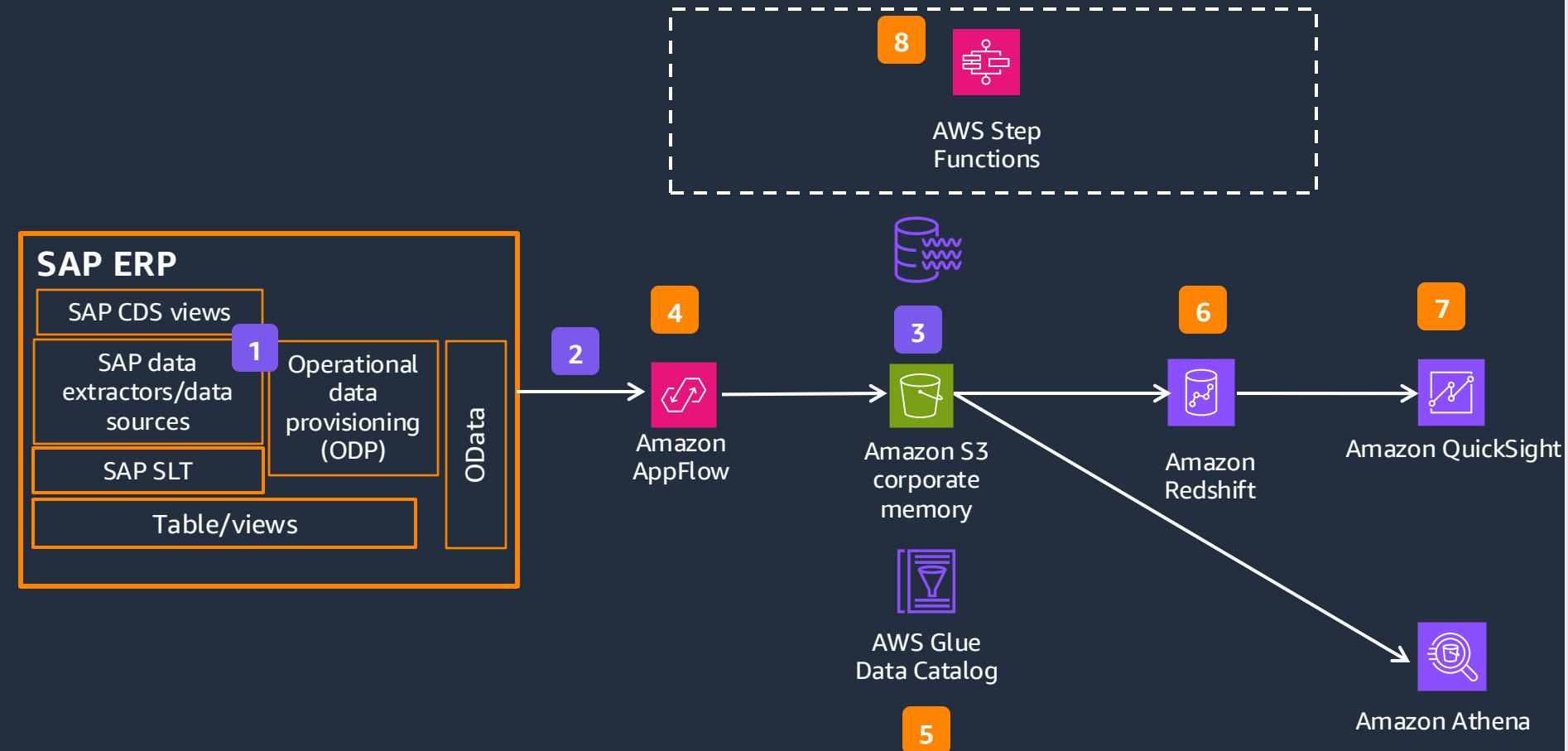
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# Data LakeHouse on AWS with SAP



- 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

## sap-lake-20250410 <

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► 4.Modify SAP Data (Optional)

► 5.AWS Glue SAP Connector (Optional)

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# 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.

 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

- *0material\_attr* - Material Master attributes

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► 5.AWS Glue SAP Connector  
(Optional)

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# 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

- *OFL\_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](#)

[FI-GL · 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

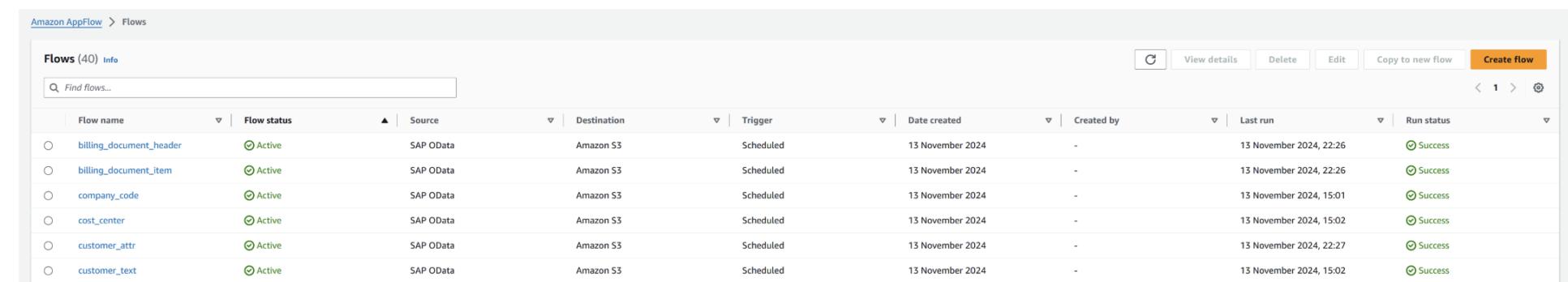
- *po\_items* - Purchase Data Item

## 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 the Amazon AppFlow Flows list page. At the top, there is a search bar labeled "Find flows..." and several action buttons: "View details", "Delete", "Edit", "Copy to new flow", and "Create flow". Below the header, a table lists 40 flows. The columns are: Flow name, Flow status, Source, Destination, Trigger, Date created, Created by, Last run, and Run status. Each row contains a small circular icon with a number, followed by the flow name, its status (Active), source (SAP OData), destination (Amazon S3), trigger type (Scheduled), date created (13 November 2024), created by (empty), last run time (varies from 13 November 2024, 15:01 to 22:26), and run status (Success). The rows are numbered 1 through 40.

Flow name	Flow status	Source	Destination	Trigger	Date created	Created by	Last run	Run status
01_billing_document_header	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:26	Success
02_billing_document_item	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:26	Success
03_company_code	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 15:01	Success
04_cost_center	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 15:02	Success
05_customer_attr	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 22:27	Success
06_customer_text	Active	SAP OData	Amazon S3	Scheduled	13 November 2024	-	13 November 2024, 15:02	Success

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# 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

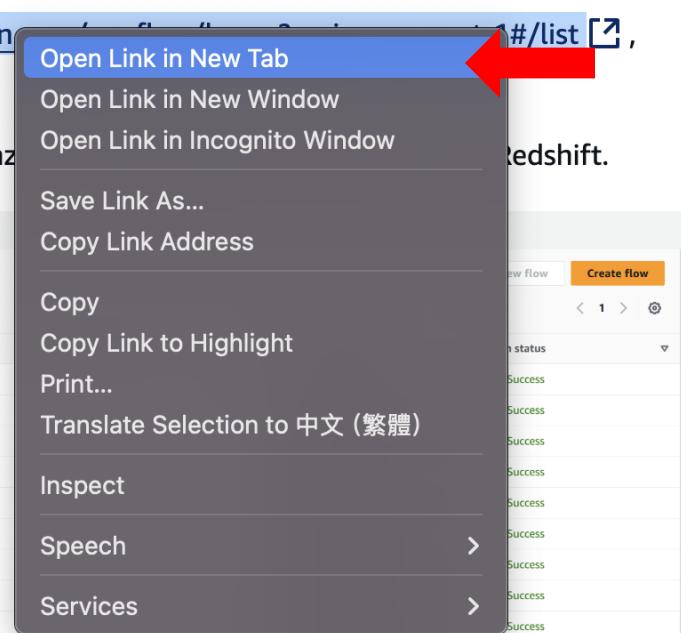
## 2) The key vendor invoice data extractor

- *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 Redshift.

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



Screenshot of the AWS Amazon AppFlow - List Flows interface.

Page Title: Amazon AppFlow - List Flows

Region: us-east-1

User: WSParticipantRole/Participant @ 7152-8365-2823

Actions: Verify it's you

Table Headers:

Flow name	Flow status	Source	Destination	Trigger	Date created	Created by	Last run	Run sta...
-----------	-------------	--------	-------------	---------	--------------	------------	----------	------------

Table Data:

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\_he...	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

Screenshot of the AWS Lambda console showing the execution history for the function 'sap-lake-20250410'. The screenshot highlights the 'Logs' tab and shows the execution log for the most recent run.

The browser title is 'Amazon AppFlow - List Flows'.

The AWS navigation bar shows 'Services' selected, and the user is signed in as 'WSParticipantRole/Participant @ 7152-8365-2823'.

The main content area displays a table of 40 flows, with one flow ('company\_code') highlighted by a red arrow.

	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

SAP Lake - 20250410

Amazon AppFlow - Flow details

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 Active
Flow description Pull data from SAP and saves into S3 for Company Code 0COMP_CODE_TEXT	Source object <a href="#">/sap/opu/odata/SAP/ZCOMP_CODE_SRV/EntityOf0COMP_CODE_TEXT</a>	Destination bucket <a href="#">s3://acc-sap-corpmem-715283652823/source/company_code/</a>	Trigger -
AWS KMS key <u>AWS managed key</u>	Source connection <a href="#">sap-connection-715283652823</a>	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

Red arrow pointing down to the Run metrics section.

Screenshot of the AWS AppFlow console showing the configuration of a flow named "sap-lake-20250410".

The top navigation bar shows the flow name and the URL: `us-east-1.console.aws.amazon.com/appflow/home?region=us-east-1#/details/company_code`.

The top right corner displays the AWS logo, services menu, search bar, CloudWatch metrics link, and user information: "WSParticipantRole/Participant @ 7152-8365-2823".

The main content area is titled "File format settings" and includes sections for "Written data format" (JSON format) and "File name format" (Add a timestamp to the file name).

Below this, there are tabs: "Data field settings" (highlighted with a red arrow), "Condition and aggregation settings", "Filters", "Tags", and "Run history".

The "Field mappings" section lists five mappings:

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

A red arrow points to the "Data field settings" tab.

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
<u>AWS managed key</u>	sap-connection-715283652823	Schema version	1
Date created	<b>Select another connection</b>	Run metrics	<a href="#">CloudWatch metrics</a>
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) <a href="#">Info</a>					
<input type="text"/> Filter run history					
	Execution ID	Run status	Last run	Transfer size	Records processed
	3bb6da5b-03d9-37aa-9863-acd6b46a610f	Success	April 10, 2025, 10:10	6.744 KB	68

[Cancel selected flow run](#)

1



SAP Lake-20250410

Amazon AppFlow - Flow details

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

Verify it's you

aws workshop studio

michael\_tw\_lin

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Unlock insights with SAP data lakes and Amazon Q in QuickSight

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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)
- ▶ 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

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Event dashboard > 2. Review the deployed services > Query extracted SAP data in Amazon Redshift

# 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

Resources overview

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

Total nodes	On-demand nodes	Reserved nodes	Reserved nodes available	Automat
0	0	0	0	0

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Exit event

Event dashboard &gt; 2.Review the deployed services &gt; Query extracted SAP data in Amazon Redshift



# 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 tabs

[Amazon Redshift](#) > Provisioned clusters dashboard

## Provisioned clusters dashboard Info

### Resources overview

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

Total nodes

2

On-demand nodes

2

Reserved nodes

0



Screenshot of the Amazon Redshift Provisioned clusters dashboard in the AWS Management Console.

The dashboard shows the following resource overview:

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)**

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

[View all clusters](#)

**Datashares**

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

**Require authorization:** 0

**Require association:** 0

**Cluster metrics**

Screenshot of the AWS Amazon Redshift Cluster Details page for cluster sap-fabric-cluster-715283652823.

The top navigation bar shows tabs for "sap-lake-20250410", "Amazon AppFlow - Flow details", and "Redshift - Cluster details". The URL is "us-east-1.console.aws.amazon.com/redshiftv2/home?region=us-east-1#/cluster-details?cluster=sap-fabric-cluster-715283652823".

The AWS Services menu is open, showing "Services" and "Search [Option+S]". The region is set to "United States (N. Virginia)". The user has a role "WSParticipantRole/Participant @ 7152-8365-2823".

The breadcrumb navigation shows "Amazon Redshift > Clusters > 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%)	

A red arrow points to the "Query data" button in the top right corner of the main content area.

Screenshot of the AWS Amazon Redshift Cluster Details page for cluster sap-fabric-cluster-715283652823.

The top navigation bar shows tabs for "sap-lake-20250410", "Amazon AppFlow - Flow details", and "Redshift - Cluster details". The URL is "us-east-1.console.aws.amazon.com/redshiftv2/home?region=us-east-1#/cluster-details?cluster=sap-fabric-cluster-715283652823".

The AWS Services menu is open, showing "Services" and "Search [Option+S]". The location bar shows "Amazon Redshift > Clusters > sap-fabric-cluster-715283652823". The region is "United States (N. Virginia)" and the participant role is "WSParticipantRole/Participant @ 7152-8365-2823".

The main content area displays the cluster details under "General information".

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

On the right side, there is a "Actions" dropdown, an "Edit" button, a "Add partner integration" button, and a "Query data" button. A red arrow points to the "Query in query editor v2" option under the "Query data" dropdown.

sap-lake-20250410 x | Amazon AppFlow - Flow details x | Redshift - Cluster details x | Configure account | Redshift x +

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

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

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

+ Un 1

Run Database Schedule

Create Load data Filter resources

sap-fabric-cluster-71528365...

**⚠ Serverless workgroups couldn't be listed.**

User: arn:aws:sts::715283652823:assumed-role/WSParticipantRole/Participant is not authorized to perform: redshift-serverless>ListWorkgroups on resource: arn:aws:redshift-serverless:us-east-1:715283652823:workgroup/\* because no identity-based policy allows the redshift-serverless>ListWorkgroups action

**⚠ Serverless namespaces couldn't be listed.**

User: arn:aws:sts::715283652823:assumed-role/WSParticipantRole/Participant is not authorized to perform: redshift-serverless>ListNamespaces on resource: arn:aws:redshift-serverless:us-east-1:715283652823:namespace/\* because no identity-based policy allows the redshift-serverless>ListNamespaces action

**i** Amazon Redshift Query editor V2 now supports Q generative SQL functionality. Contact your administrator to activate this feature in [Settings](#)

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", "Editor | Redshift query editor", and a new tab indicator "+".

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 "Search" and "Redshift query editor v2".

The main interface includes:

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

The left sidebar lists navigation categories: Editor, Queries, Notebooks, Charts, History, Scheduled queries, and a bottom section with a hexagon icon and a crescent moon icon.

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;

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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 present below the database selection.

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

sap-lake-20250410 &lt;

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(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.



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

Editor Queries Notebooks Charts History Scheduled queries

## Redshift query editor v2

+ **sap-fabric-cluster-715283652823** dev Schedule

**Filter resources**

**sap-fabric-cluster-715283652823** i :

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

**User name**

**Password**  
  
The password must be 8-64 characters.

sap-lake-20250410 &lt;

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▶ 4.Modify SAP Data (Optional)

▶ 5.AWS Glue SAP Connector  
(Optional)

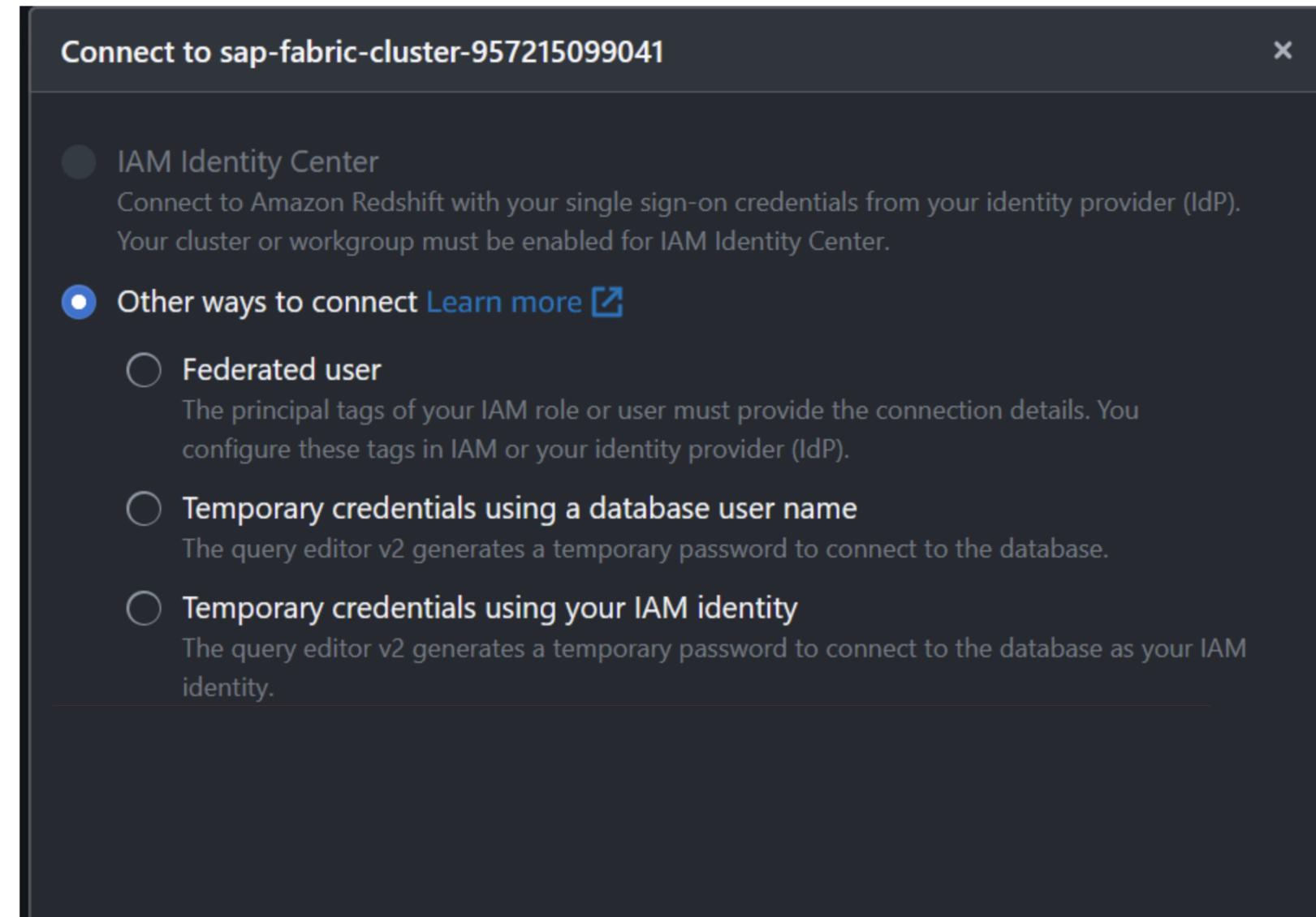
▶ AWS account access

▶ 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](#)

1

[Filter resources](#)[sap-fabric-cluster-715283...](#) [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 top right corner shows the region "United States (N. Virginia)" and the user "WSParticipantRole/Participant @ 7152-8365-2823".

The main interface is titled "Redshift query editor v2". It features a sidebar with icons for "Editor", "Queries", "Notebooks", "Charts", "History", "Scheduled queries", and a bottom row of three icons.

The central workspace shows a connection named "sap-fabric-cluster-715283652823" which has been successfully updated. A green notification message states: "You successfully updated sap-fabric-cluster-715283652823. To analyze data, connect to sap-fabric-cluster-715283652823." Below the connection name, there are two expandable sections: "native databases (3)" and "external databases (1)".

A red arrow points to the "native databases (3)" section.

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

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 closing parenthesis of the SQL query.

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

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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 navigation 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 dropdown menus for the database (sap-fabric-clu...) and schema (sap\_fabric\_db). A 'Schedule' button is also present. The main workspace contains a query editor with the following SQL statement:

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

Below the query, the status indicates "Row 1, Col 58, Chr 57". The results section is titled "Result 1 (100)" and displays a table with the following data:

	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

The results table has a header row with column names: cancel\_ind, purchasing\_document..., document\_type, doc\_category, and posti. The first 10 rows show 'cancel\_ind' values of 20181005 and 'purchasing\_document...' values of NB, all categorized under 'F'. The last two rows show 'cancel\_ind' values of 20171219 and 'purchasing\_document...' values of NB, also categorized under 'F'. The bottom right corner of the results table shows "Query ID 27387 Elapsed time: 273 ms Total rows: 100".

## sap-lake-20250410

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▶ 5.AWS Glue SAP Connector (Optional)

▶ AWS account access

▶ Content preferences

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## 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

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)

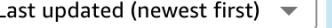
New analysis

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

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios 

Analyses

Datasets

Community

Topics

No analyses

Create an analysis to share your insights.

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

QuickSight

Find analyses & more 

Datasets 

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios 

Analyses

Datasets 

Community

Topics

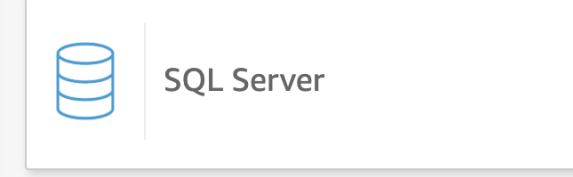
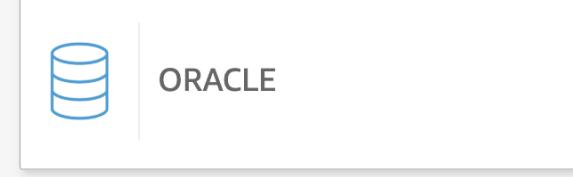
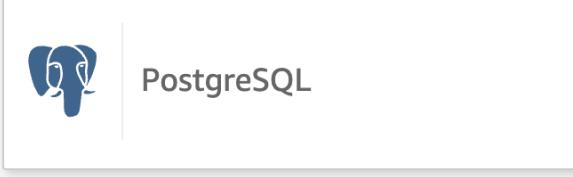
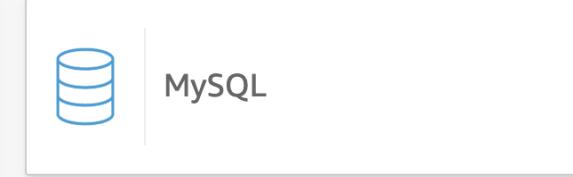
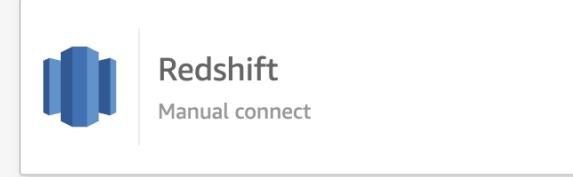
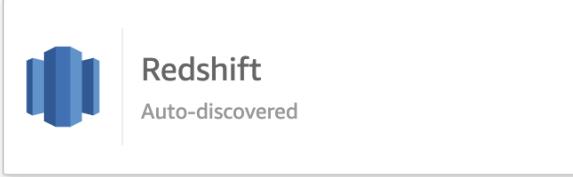
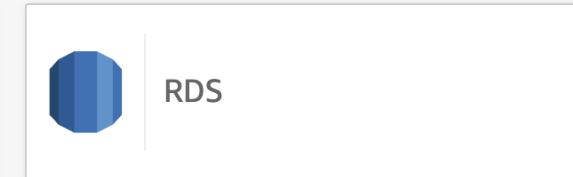
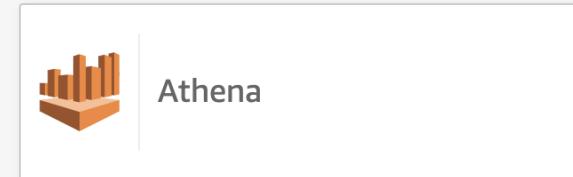
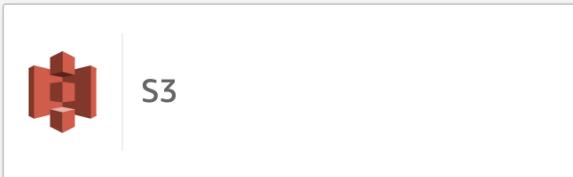
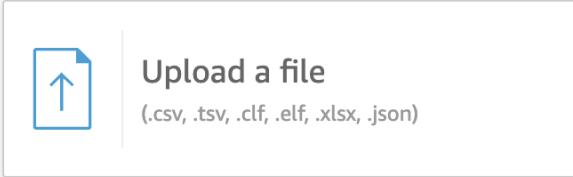
No datasets

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.

No tables found

Please make another selection.

Edit/Preview data   Use custom SQL   Select



SPICE capacity for this region: 0 bytes of 10GB

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;

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## ▼ 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"
```

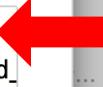
SPICE capacity for this region: 0 bytes of 10GB

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

sap\_redshift datasource

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

QuickSight

Datasets

Google BigQuery

Timestream

Trino

Jira

Starburst

ServiceNow

GitHub

Adobe Analytics

SPICE capacity for this region: 0 bytes of 10GB

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

FROM EXISTING DATA SOURCES

sap\_redshift\_datasource



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 shows several open tabs: "sap-lake-20250410", "Sales Orders analysis", "Amazon AppFlow - Flow details", "Redshift - Cluster details", "Editor | Redshift query editor", and a "+" tab.

The main interface includes:

- Header:** "QuickSight" logo, "Orders analysis" title, "File", "Edit", "Data", "Insert", "Sheets", "Objects", "Search" menu, "Build visual" button, and a three-dot menu.
- Data Panel (Left):** "Data" section with "Dataset" set to "SPICE Sales Orders" (100% complete). It lists various fields: "billing\_type", "billto\_party", "customer\_group", "distr\_channel", "item", "material", "material\_group", "net\_price", "net\_value\_of\_the\_document\_item...", "number\_of\_order\_items", "order\_reason", "payer", "record\_created\_on", "sales\_doc\_type", "sales\_group", "sales\_office", "sales\_org", and "sd\_document".
- Visuals Panel (Middle Left):** "Visuals" section with "CHANGE VISUAL TYPE" buttons ("ADD" and "BUILD") and a grid of 25 visualization icons (e.g., bar charts, pie charts, line graphs, etc.).
- Sheet 1 (Main Area):** A large workspace titled "Sheet 1" with a "BUILD" button in the top right. The text "AutoGraph" is displayed in the center, followed by the instruction "Add 1 or more fields to build a visual." A dashed orange box highlights the "Add a dimension or measure" button at the bottom left of the workspace.
- Notification (Top Right):** A modal message: "Import complete: 100% success. 7,684 rows were imported to SPICE. 0 rows were skipped."



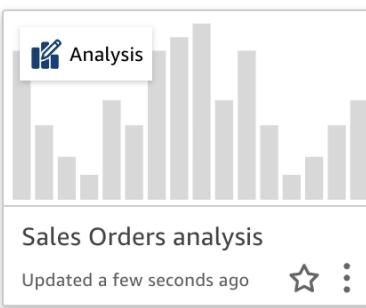
Find analyses &amp; more

## 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

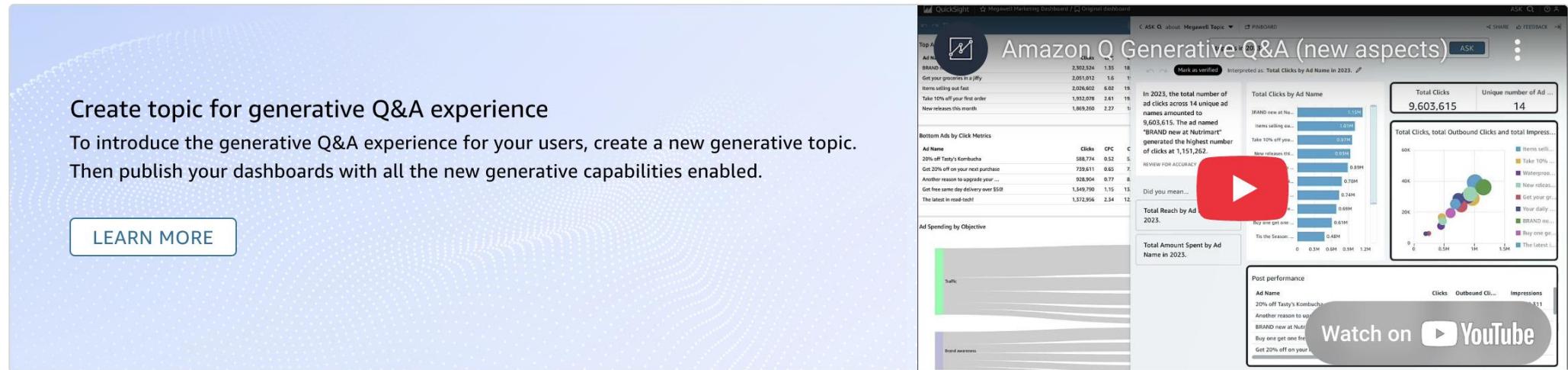
Every answer comes with an AI-generated narrative that highlights key insights. Each key insight is traceable back to a visual in the answer.

## 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.



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

QuickSight

Find analyses & more

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New

Analyses

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Community

Topics

Amazon Q Topics

Create topic f  
To introduce the  
Then publish you  
LEARN MORE

Key features

AI-generated narrative

Every answer comes with highlights key insights. Each key insight is traceable back to a visual in the answer.

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.

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

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

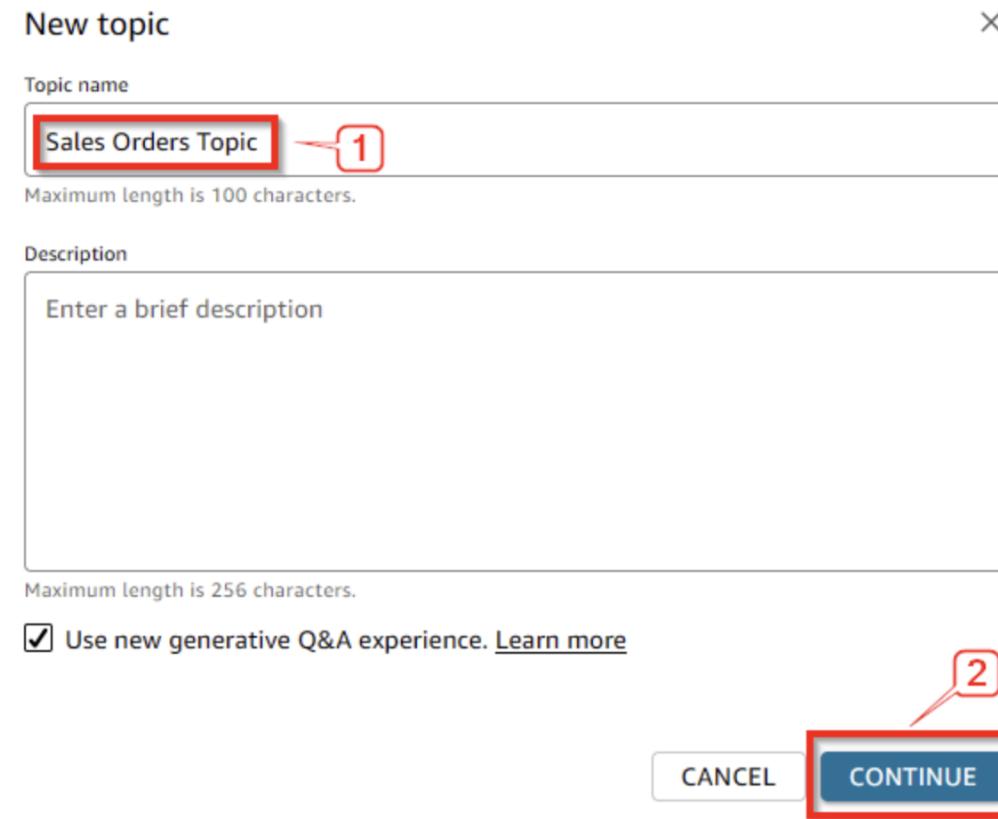
## ▶ AWS account access

## ▶ 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

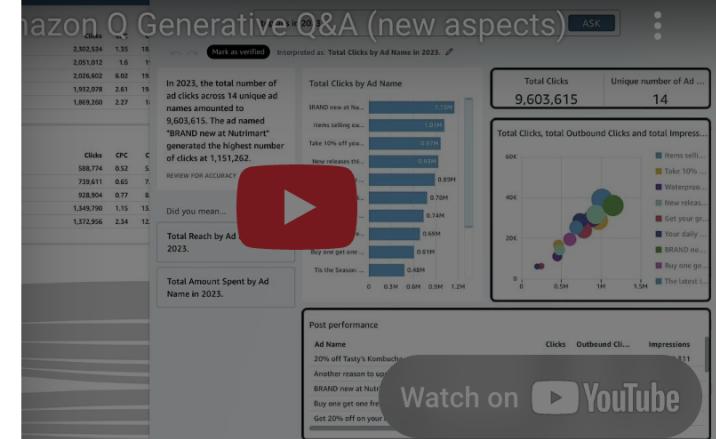
BACK

CREATE

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

NEW SAMPLE TOPIC

NEW TOPIC



## 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

QuickSight

Find analyses & more

Favorites

Recent

My folders

Shared folders

Dashboards

Data stories

Scenarios New

Analyses

Datasets

Community

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 (arrow)

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

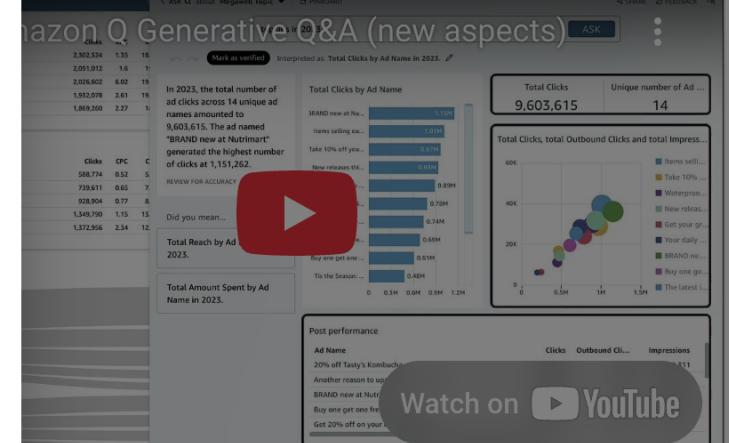


BACK

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.

supplemental visuals to add valuable context.

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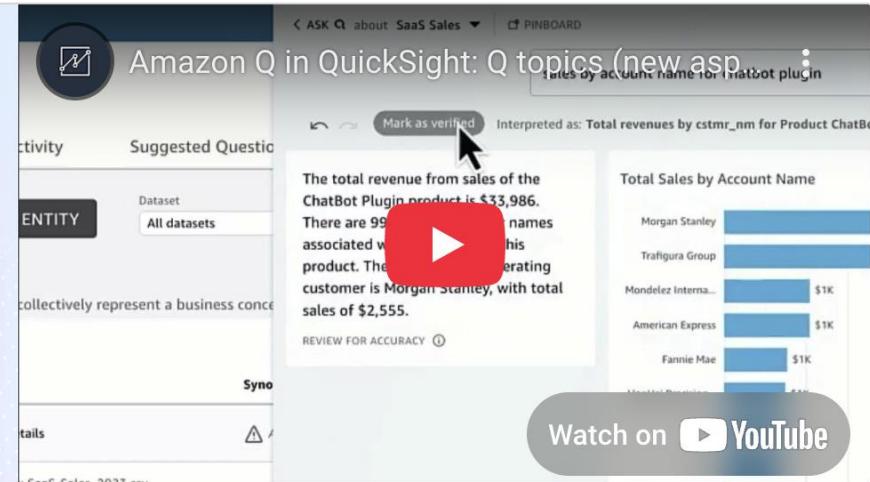
Find analyses & more 

## 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 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 "Topics", there is a modal overlay titled "Amazon Q Topics" with the following content:

- 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.

Buttons: LEARN MORE, DISMISS.

A red arrow points to the "Sales Orders Topic" entry in the main table below.

The main table displays the following data:

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 Edit	More

A red arrow points to the "Sales Orders Topic" entry in the main table below.

A large screenshot of a dashboard titled "Amazon Q in QuickSight: Q topics (new asp)" is displayed on the right, featuring a bar chart titled "Total Sales by Account Name" and a "Watch on YouTube" button.

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

This screenshot shows the 'Sales Orders Topic' page in the QuickSight interface. The 'Data' tab is selected, indicated by a red arrow. A modal window titled 'Create named entities to enable multi-visual answers' is open, explaining the purpose of named entities and providing a step-by-step guide. The 'Customer Group' named entity is currently being configured, showing its alternate names and dimensions. The 'Customer Group' dimension includes 'client group', 'buyer group', and 'consumer group'. Other dimensions listed include 'Billing Type', 'Billto Party', 'Distr Channel', 'Item', 'Material', and 'Material Group'. The 'Customer Group' dimension is currently selected, as indicated by the blue status bar at the bottom of the modal.

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"/> Billing Type	invoice type X billing format X billing method X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Billto Party	⚠ Add alternate names for field	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Customer Group	client group X buyer group X consumer group X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Distr Channel	distributor channel X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Item	product X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material	ware X merchandise X stock X +	Dimension
<input type="checkbox"/>	<input checked="" type="checkbox"/> Material Group	substance group X product group X +	Dimension

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

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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>more</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 FI -KM-VXX

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

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Unlock insights with SAP data lakes and Amazon Q in QuickSight

◀

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▶ Procure To Pay (P2P)

▶ Record To Report (RTR)

Creating and presenting a data story

▼ Content preferences

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• 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"/>	# 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

< 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"/>	# 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". A message "Topic metadata updated successfully" is displayed in a green box.

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". Below it, there are tabs: 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 table 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;

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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

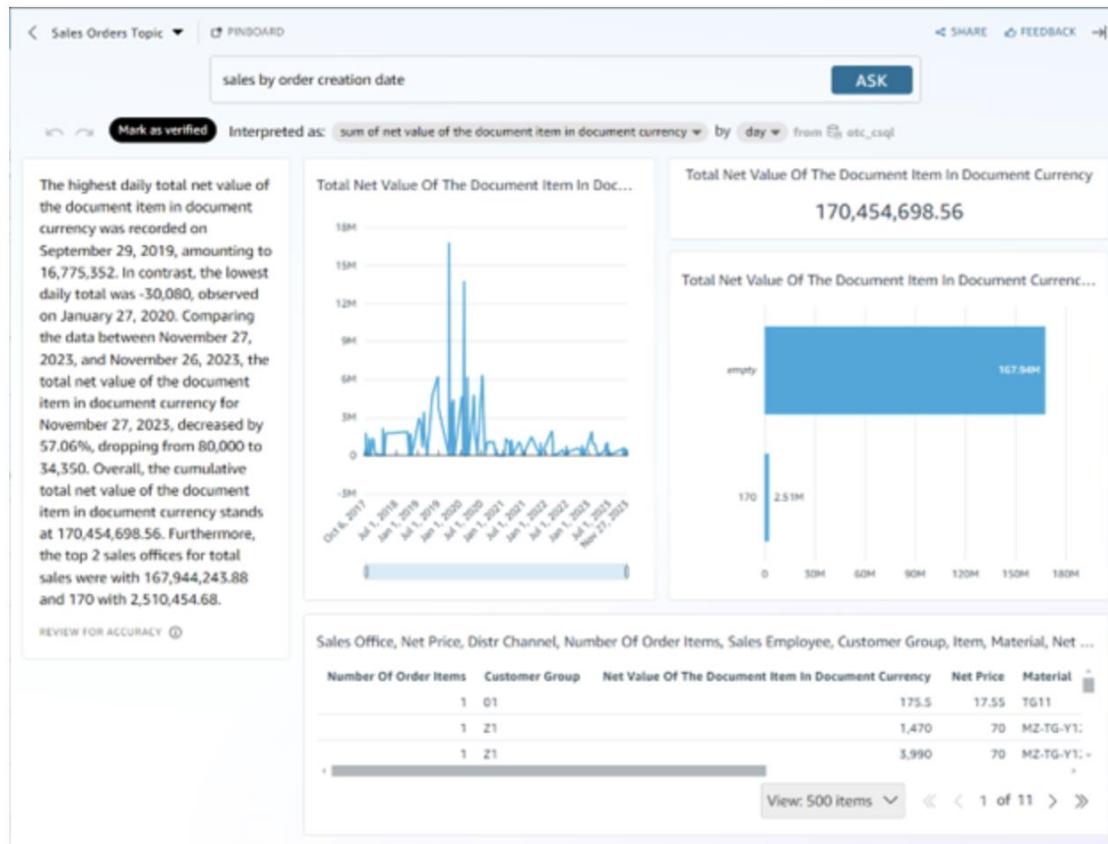
Exit event

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 You should see the results as shown below:



Now ask Q about sales order by month 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"/>	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

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?

Sap-lake-20250410

QuickSight Q Topics

Amazon AppFlow - Flow detail

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

All topics

# 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 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 type="checkbox"/> Sales Org
<input type="checkbox"/>	<input type="checkbox"/> Sd Document
<input type="checkbox"/>	<input type="checkbox"/> Shipto Party

Sales Orders Topic PINBOARD

Ask a question about Sales Orders Topic

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;

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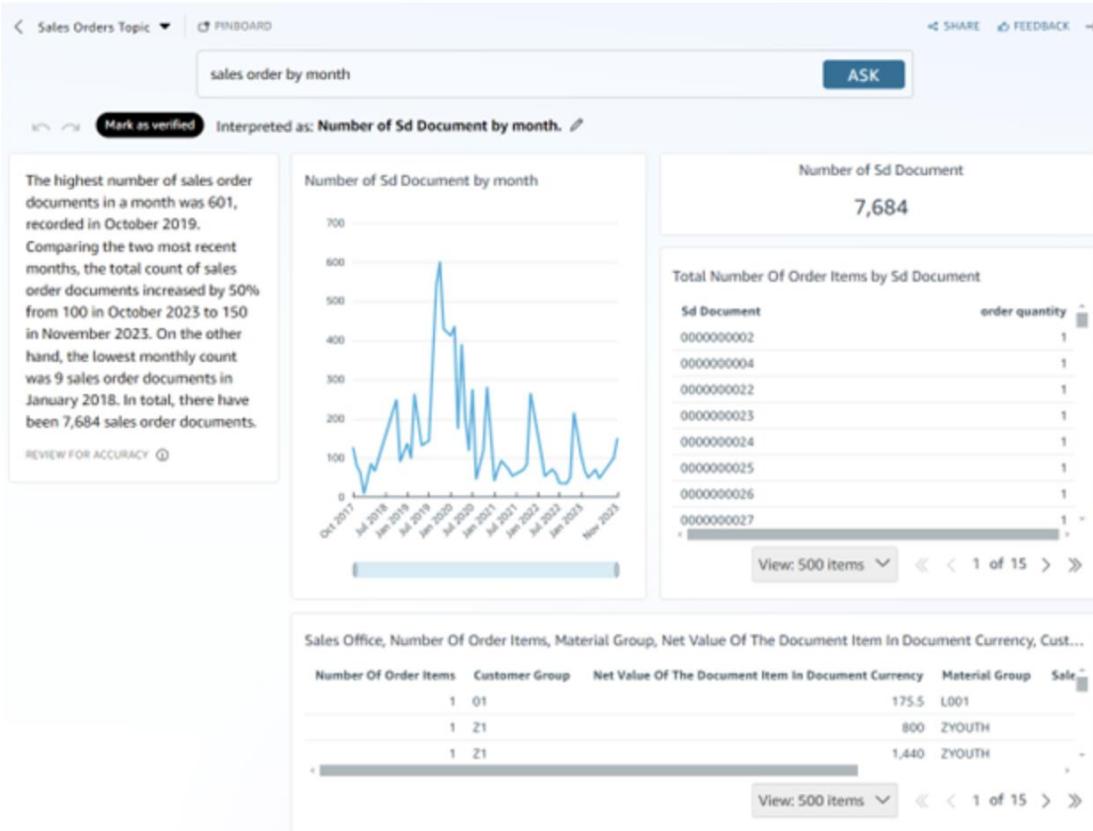
## ► AWS account access

## ► 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

Number Of Order Items Customer Group Net Value Of The Document Item In Document Currency Material Gi

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

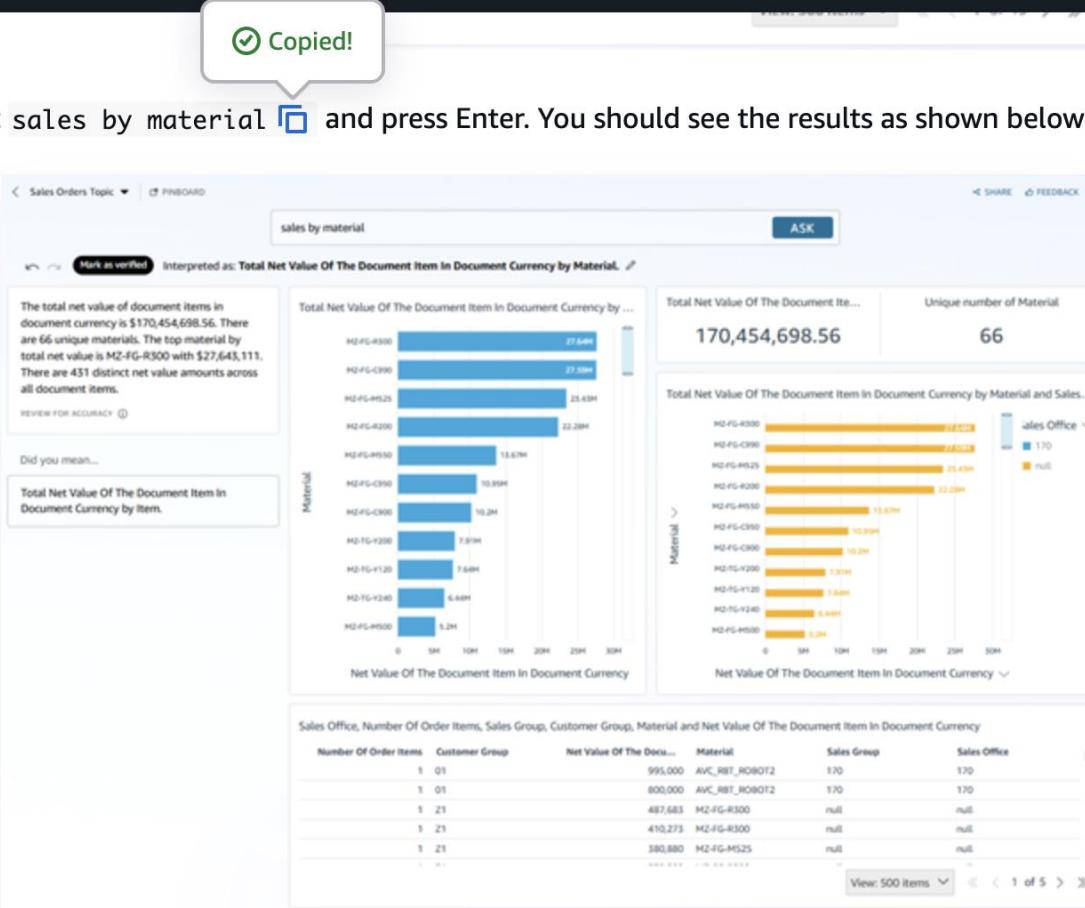
catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/lab03-dashboard/otc/lab03-4-topic

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!

sales by material

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

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.

Did you mean... Total Net Value Of The Document Item In Document Currency by Item.

Material

Total Net Value Of The Document Item In Document Currency by Material and Sales...

Sales Office

Net Value Of The Document Item In Document Currency

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		995,000	AVC_RBT_R080T2	170	170
1 01		800,000	AVC_RBT_R080T2	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 several tabs open, illustrating the SAP Lakehouse Data Pipeline architecture:

- 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

**Content Area:**

- Search Bar:** Ask a question about Sales Orders Topic
- Text Box:** sales by material **ASK**
- Interpretation:** Mark as verified | Interpreted as: Total Net Value Of The Document Item In Document Currency by Material.
- Summary Card:** 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.
- Bar Chart:** Total Net Value Of The Document Item In Document Currency by Material Group. The chart shows the top 10 materials with their respective net values:

Material Group	Total Net Value (M)
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
MZ-FG-C900	10.2M
MZ-TG-Y200	7.91M
MZ-TG-Y120	7.64M
MZ-TG-Y240	6.44M
MZ-FG-M500	5.2M
- Scatter Plot:** Total Net Value Of The Document Item In Document Currency by Material Group. A scatter plot showing the relationship between Net Value (M) and Material Group.
- Table:** Material Group, Number Of Order Items, Sales Office, Sales Group, Customer Group, Net Value Of The Document Item In Document Currency. The table includes columns for Number Of Order Items, Customer Group, Net Value Of The Document Item In Document Currency, and Material.
- Data Fields:** Record Created On, Sales Doc Type, Sales Group, Sales Office, Sales Org, Sd Document, Shipto Party.

**sap-lake-20250410** <

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**Creating a Analysis on this Topic**

Creating a Dashboard with Generative BI support

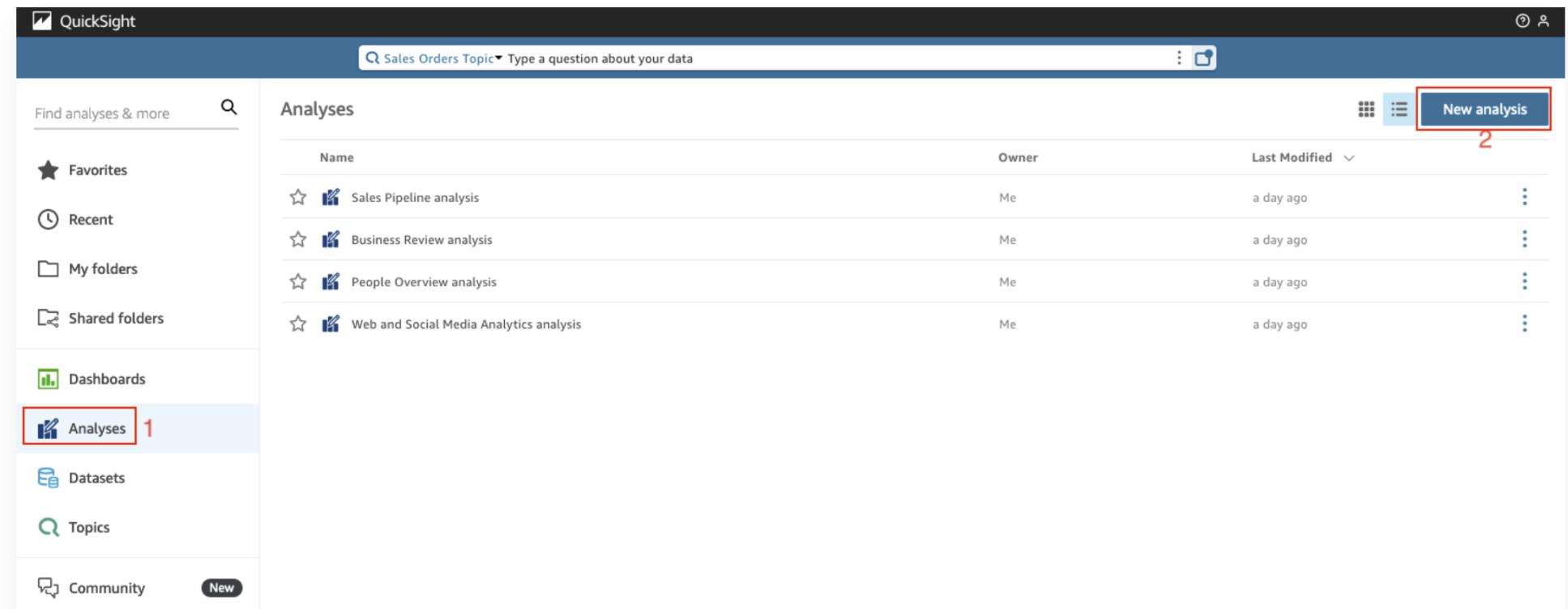
## ▶ AWS account access

## ▶ 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

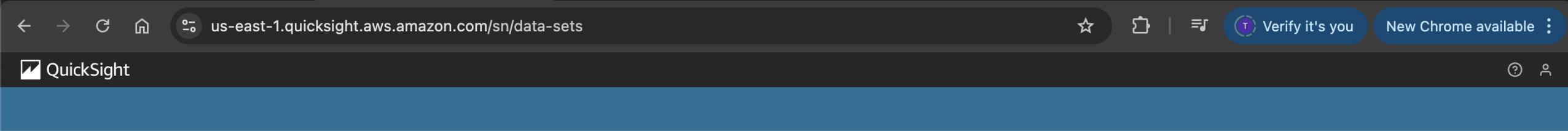
Community

Topics

Analyses

Sales Orders analysis

Updated 9 hours ago

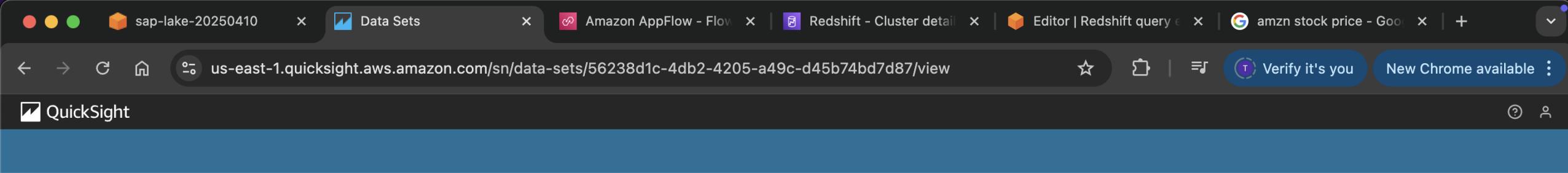


New dataset

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

ACTUAL SIZE PUBLISH

Data X

Dataset: SPICE Sales Orders 100%

Search fields SEARCH

+ 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 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 INFO

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

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 :

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

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

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.

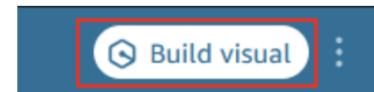
Review the topic or start asking questions  
in Q bar.REVIEW  
TOPIC

▼ 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**

top materials sold in 2024

BUILD

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

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

**Visuals**

Sheet 1 +

CHANGE VISUAL TYPE

AutoGraph

Add 1 or more fields to build a visual.

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...

**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\_item...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

**Visuals**

+ ADD BUILD

Visual types:

- Line chart
- Bar chart
- Stacked bar chart
- Treemap
- Map
- Scatter plot
- Box plot
- Waterfall chart
- Heatmap
- Gantt chart
- Timeline
- Geochart
- Donut chart
- Waterfall chart
- Table
- Map
- Tree map
- Cloud
- Icon
- Image

ADD DATA

Add a dimension or measure

ACTUAL SIZE PUBLISH

Verify it's you

New Chrome available

Build a visual

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

## ▼ 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

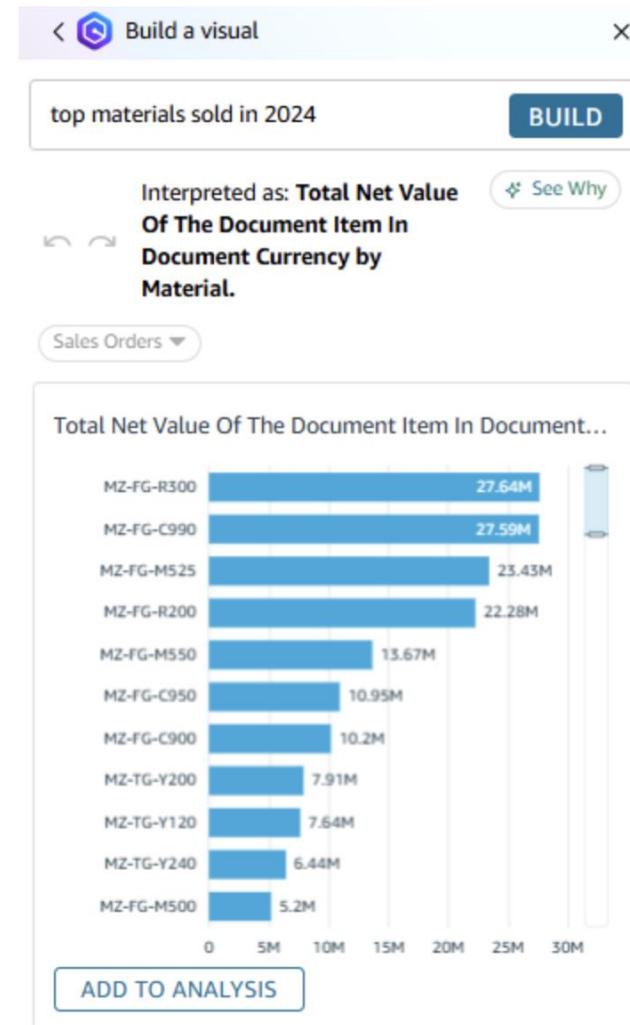
## ▶ AWS account access

## ▶ 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 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 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

A red arrow points to the "BUILD" button next to the suggestion "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

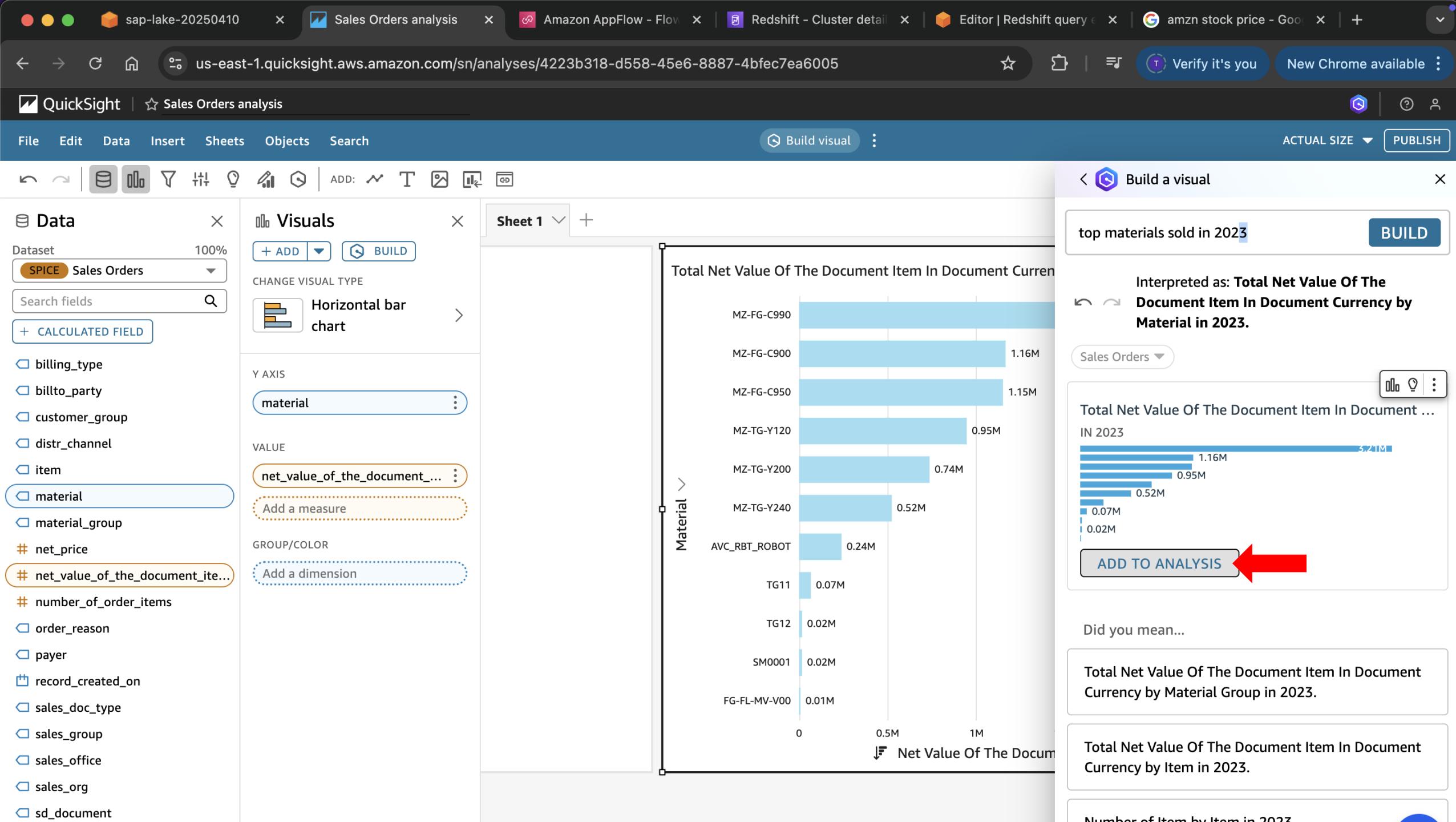
ADD TO ANALYSIS

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

## ▼ 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

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



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 Of The Document
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

Visuals

+ ADD BUILD

CHANGE VISUAL TYPE

Horizontal bar chart

Y AXIS material

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

Add a measure

GROUP/COLOR Add a dimension

Build a visual

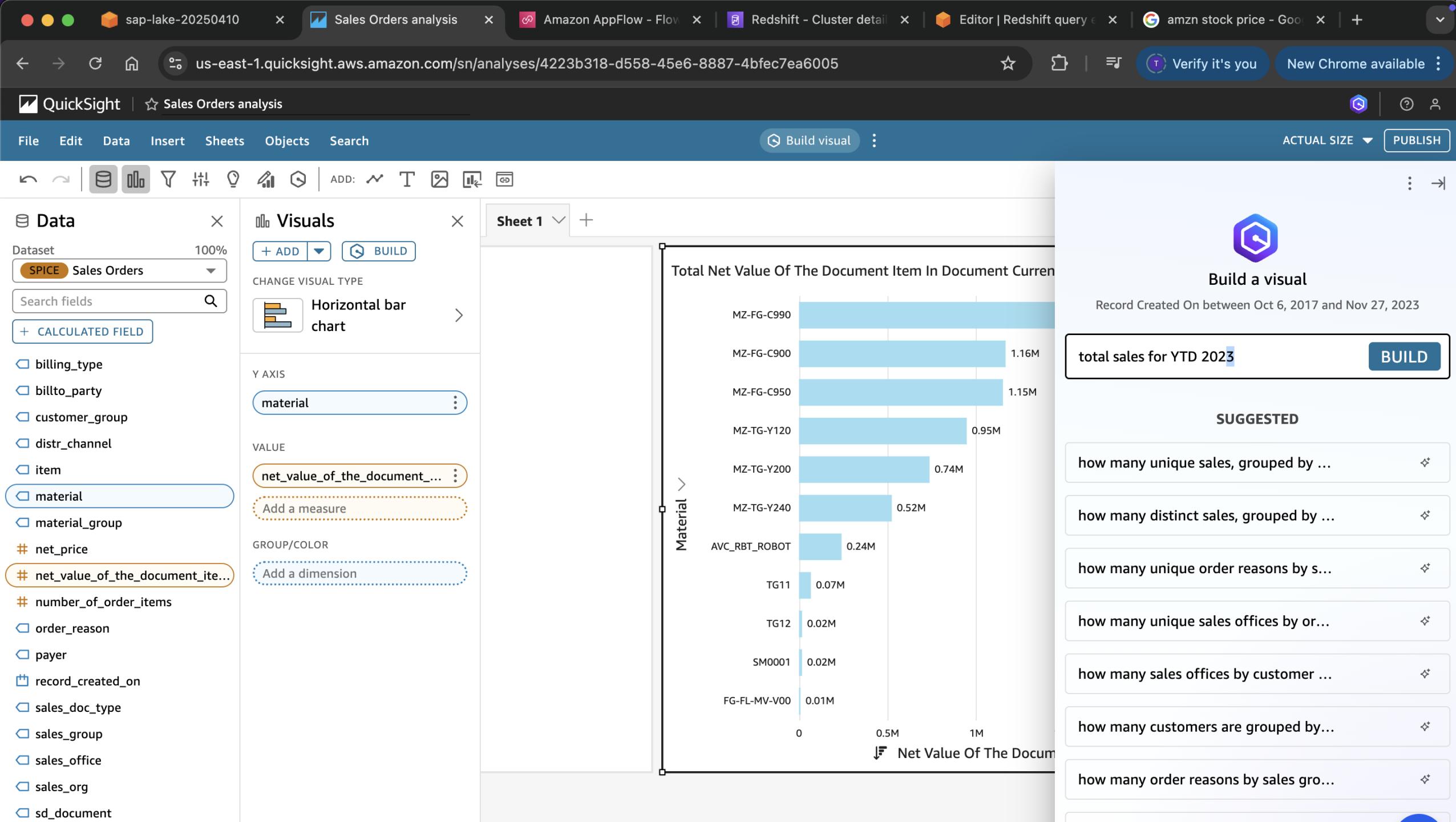
Record Created On between Oct 6, 2017 and Nov 27, 2023

total sales for YTD 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 +

Total Net Value Of The Document Item In Document Current

Horizontal bar chart

Y AXIS material

VALUE net\_value\_of\_the\_document\_ite... Add a measure

GROUP/COLOR Add a dimension

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

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...

Red arrow pointing to the "BUILD" button in the "total sales for YTD 2023" suggestion.

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 (selected)  
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: Horizontal bar chart

Y AXIS: material

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

Add a measure

GROUP/COLOR: Add a dimension

Sheet 1 +

Total Net Value Of The Document Item In Document Currency

Material >

Material	Net Value Of The Document Item In Document Currency
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 Currency

< 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.

?

Feedback

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  
shipto\_party  
soldto\_party

Visuals

+ ADD ▾ BUILD

CHANGE VISUAL TYPE

Key Performance Indicator (KPI)

KPI LAYOUTS

VALUE: Set Value Of The Document Item In Document Currency  
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

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... Copy Star Open Print Verify it's you New Chrome available

aws workshop studio Copied!

1. Introduction

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- Creating a Dataset in Amazon QuickSight
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- 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 Select BUILD 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

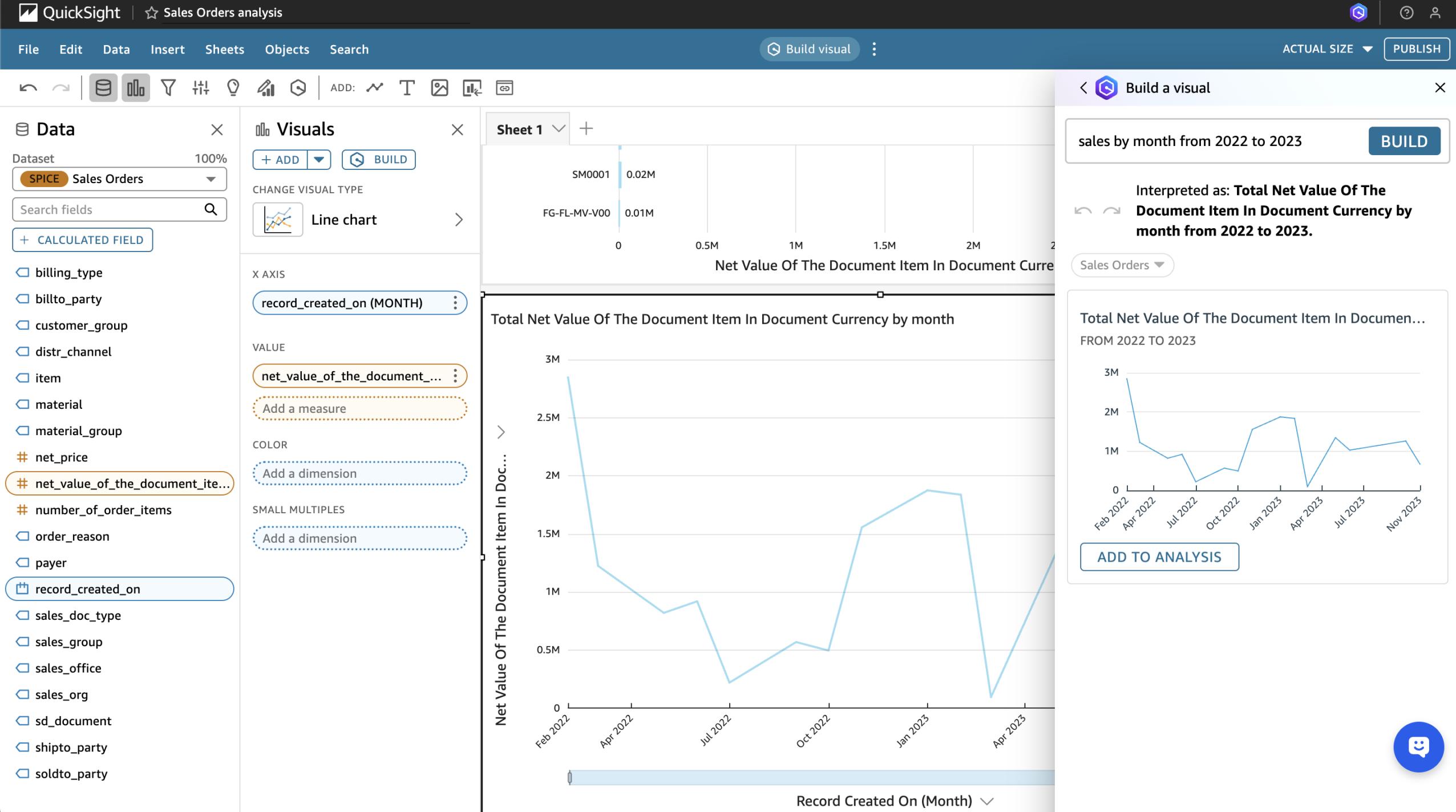
Interpreted as: Total Net Value Of The Document Item In Document Currency by month from 2022 to 2023.

Sales Orders

Total Net Value Of The Document Item In Document...  
FROM 2022 TO 2023

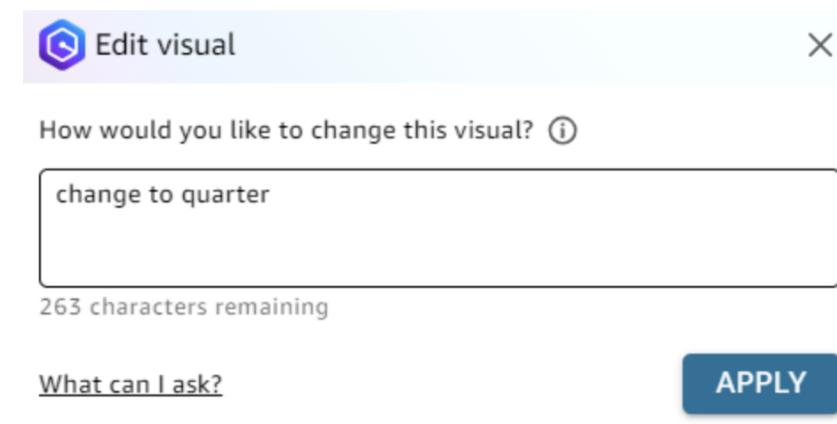
ADD TO ANALYSIS



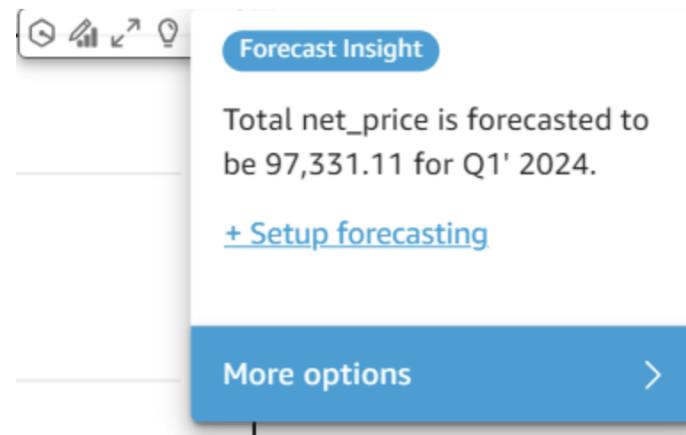


Copied!

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](#)

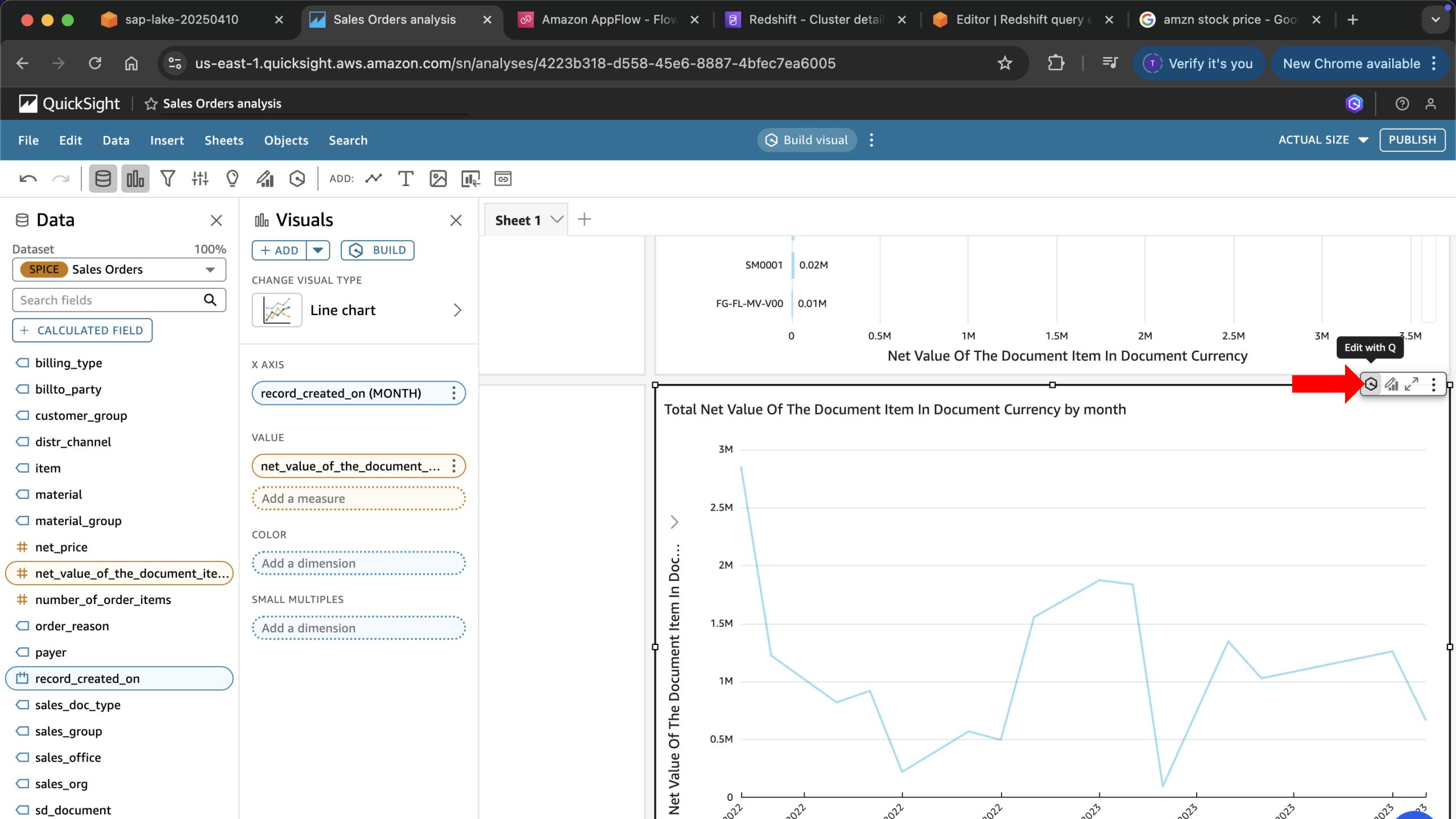
## ▼ Procure To Pay (P2P)

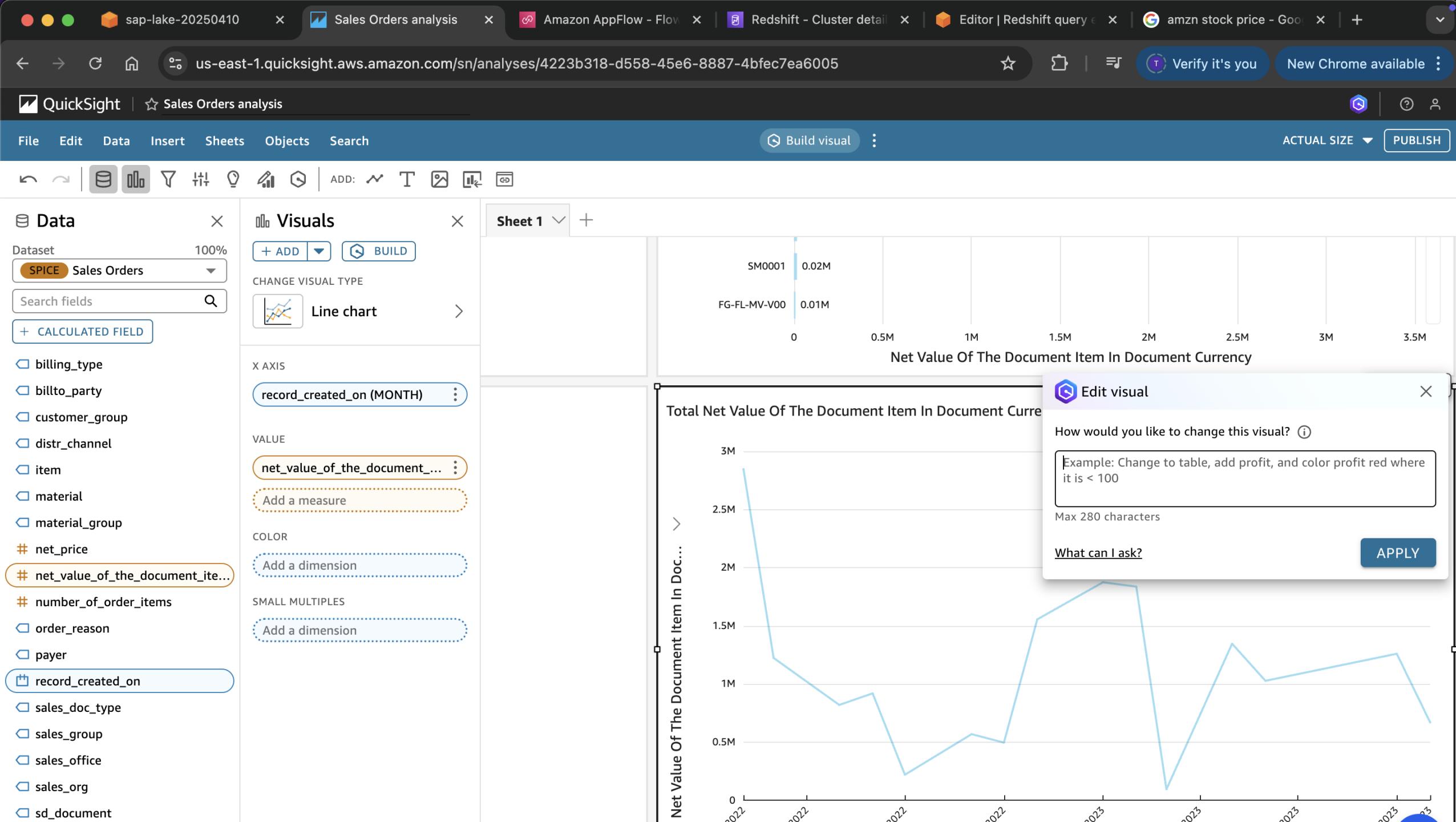
[Creating a Dataset in Amazon QuickSight](#)

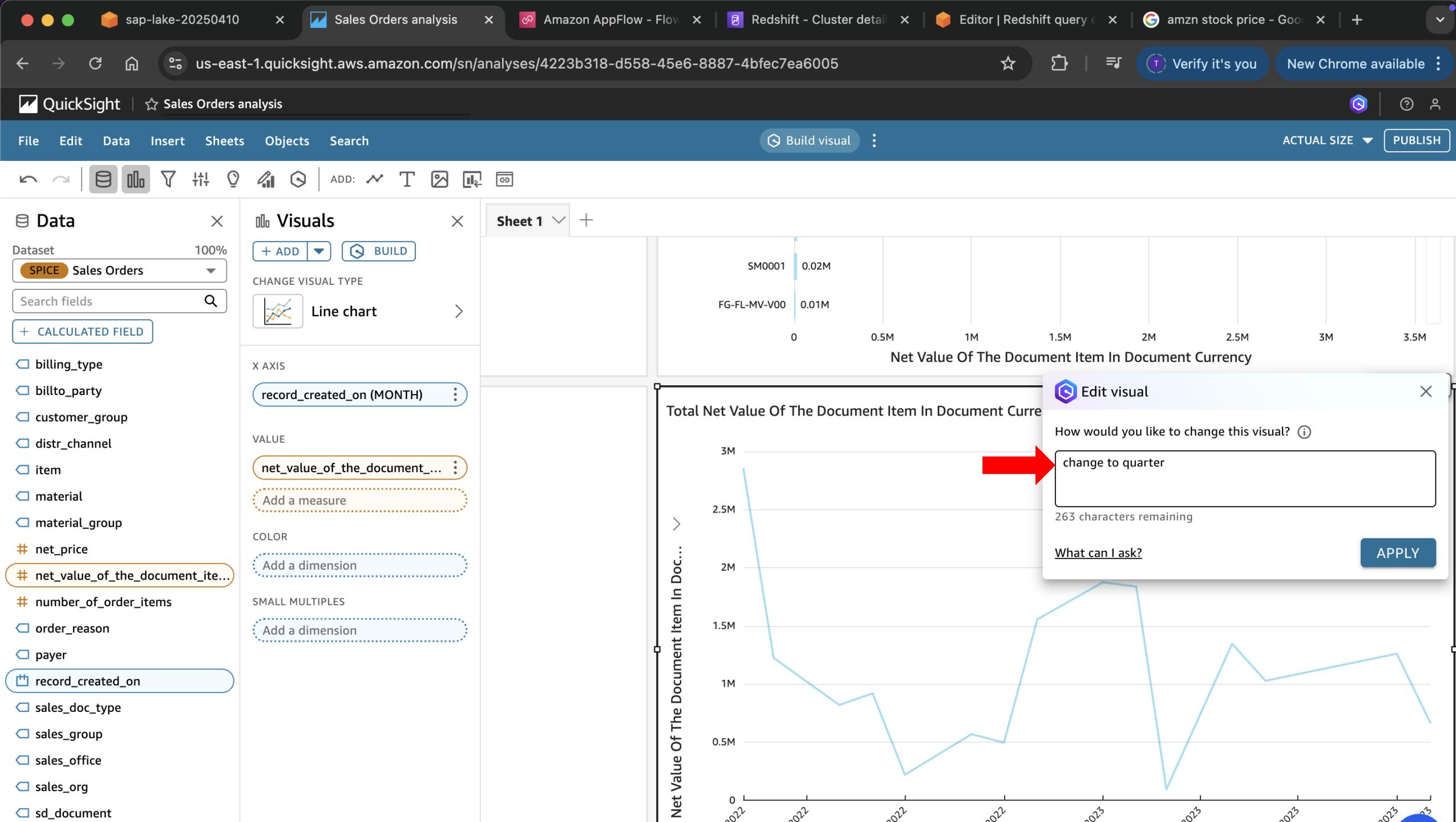
## ▶ AWS account access

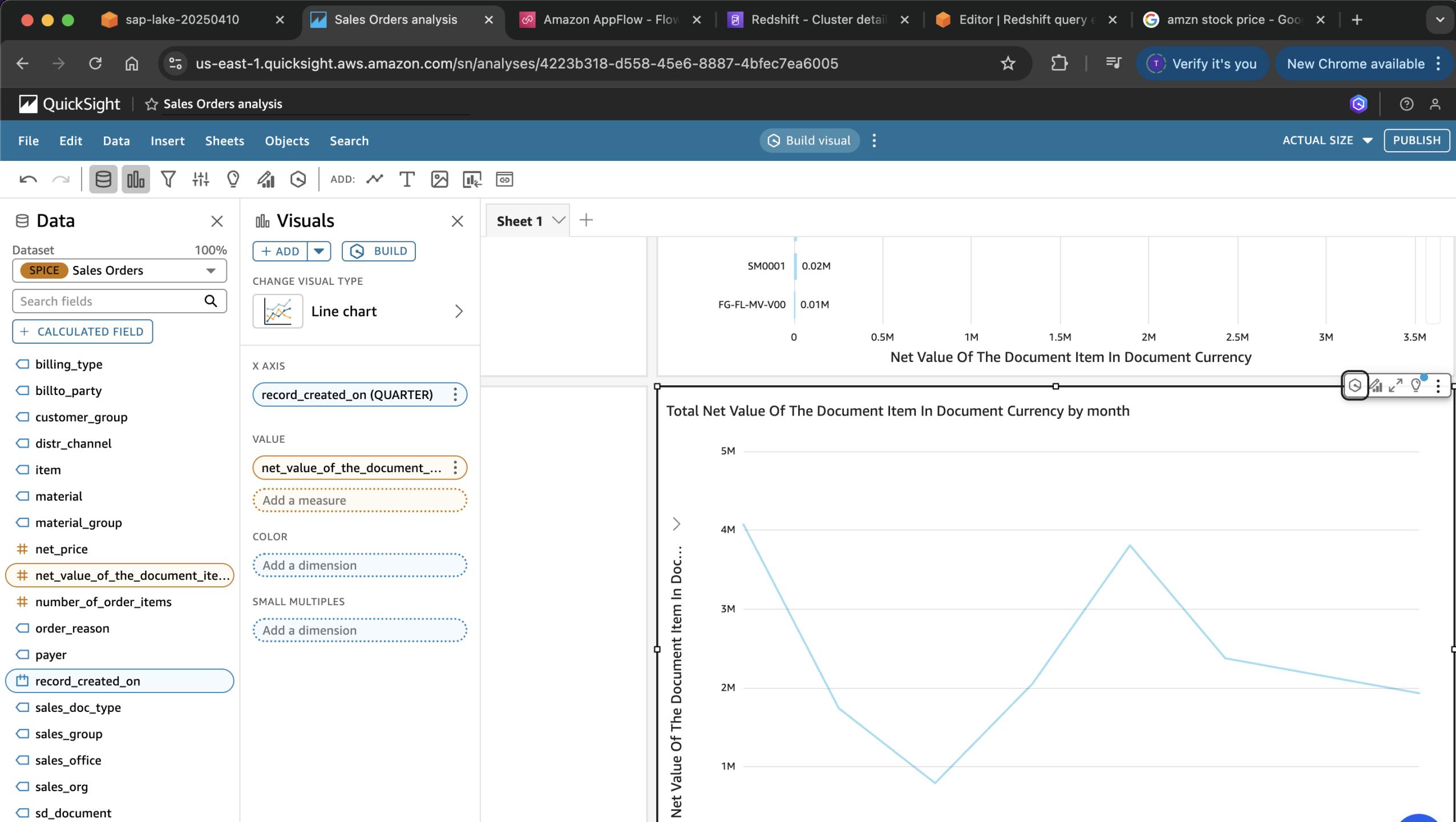
## ▶ Content preferences

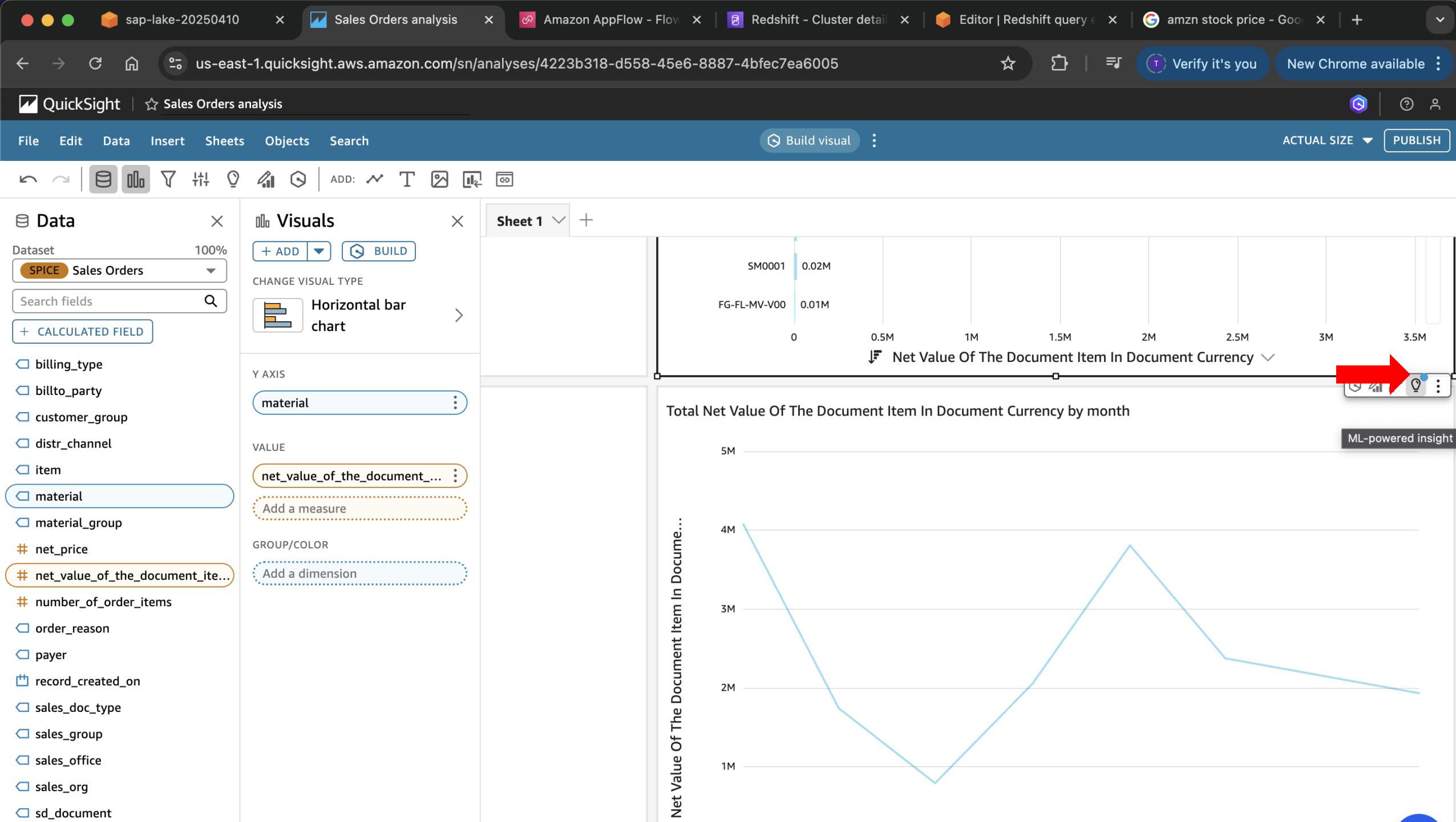
[Exit event](#)

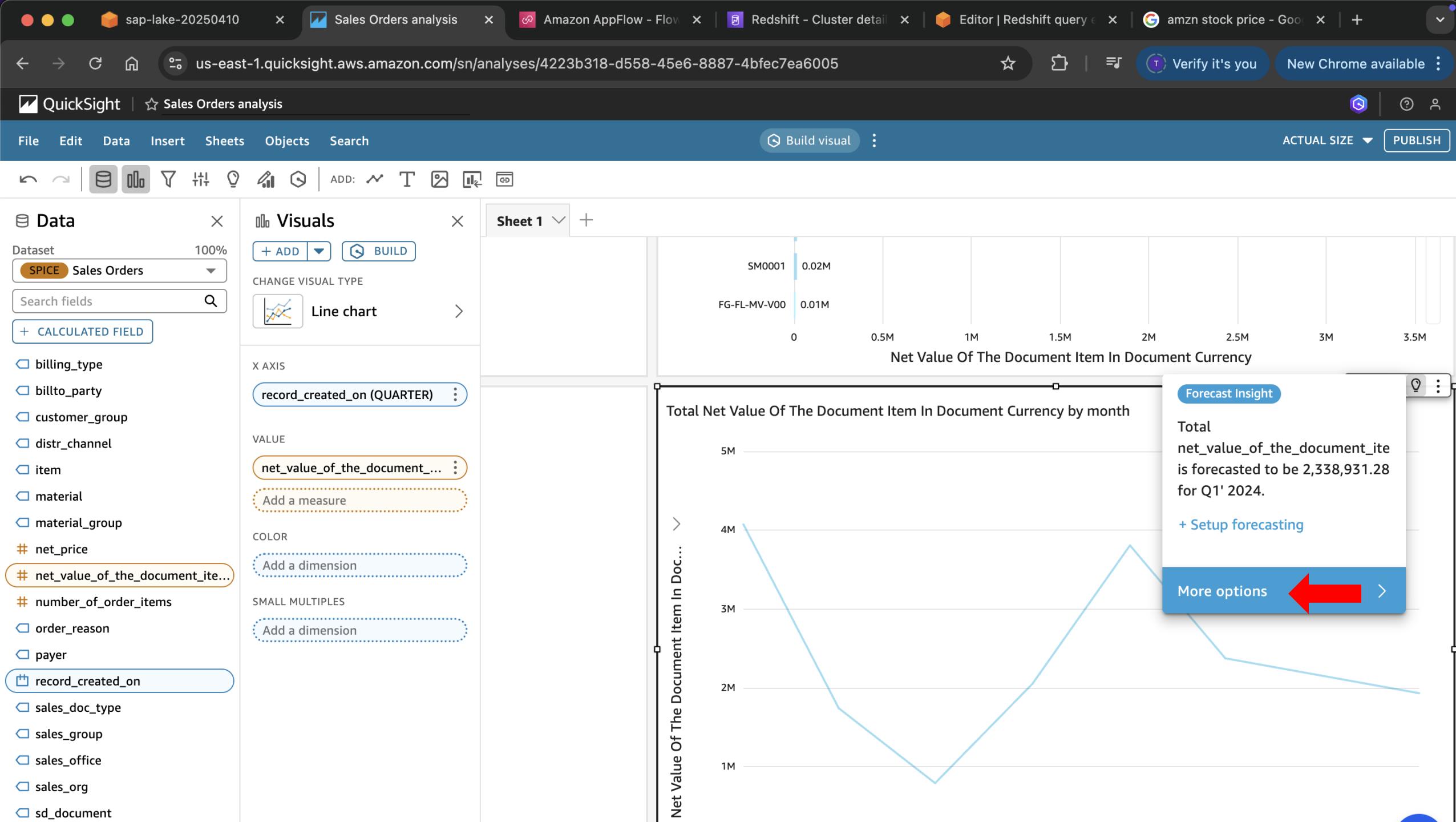


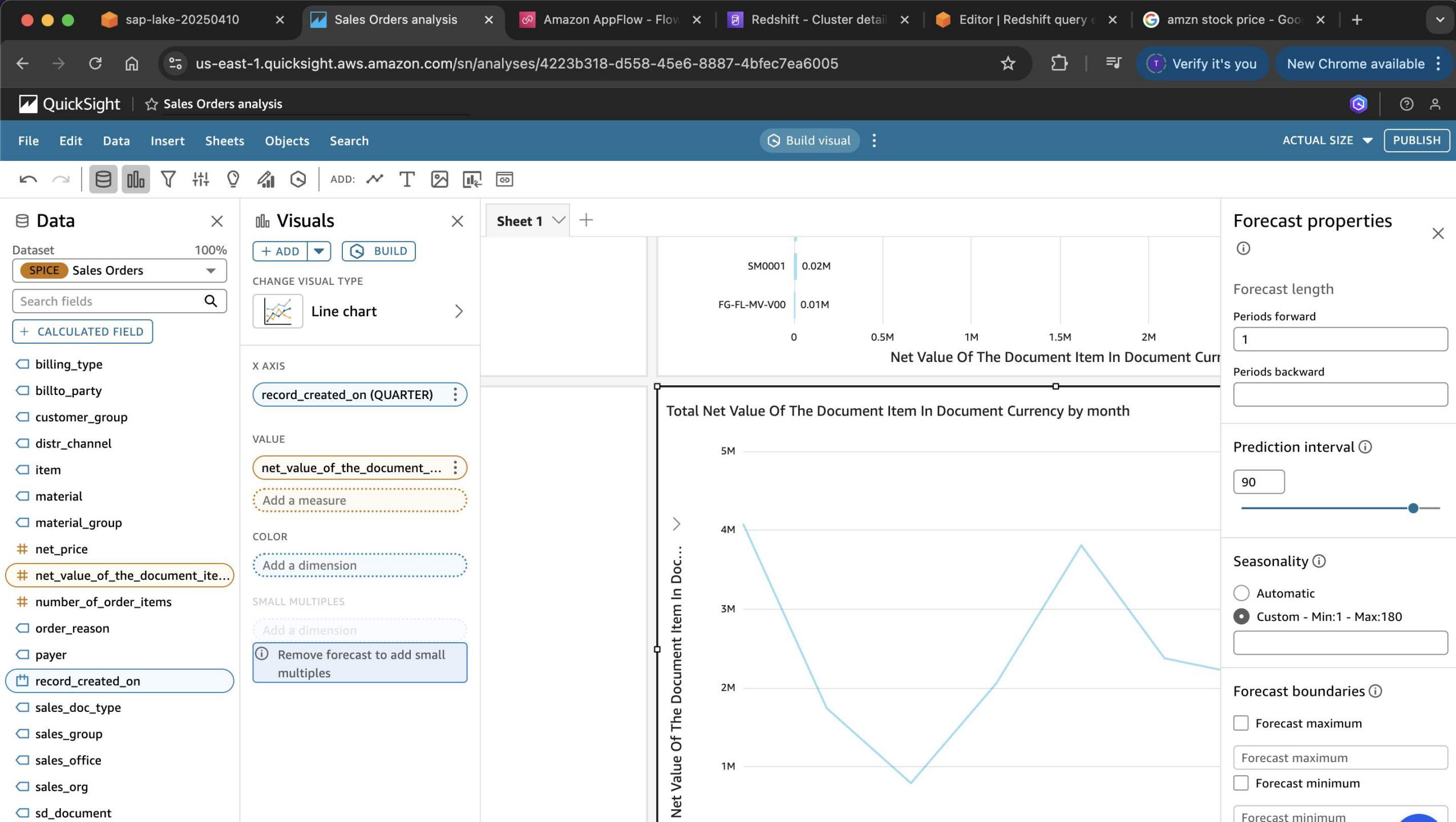


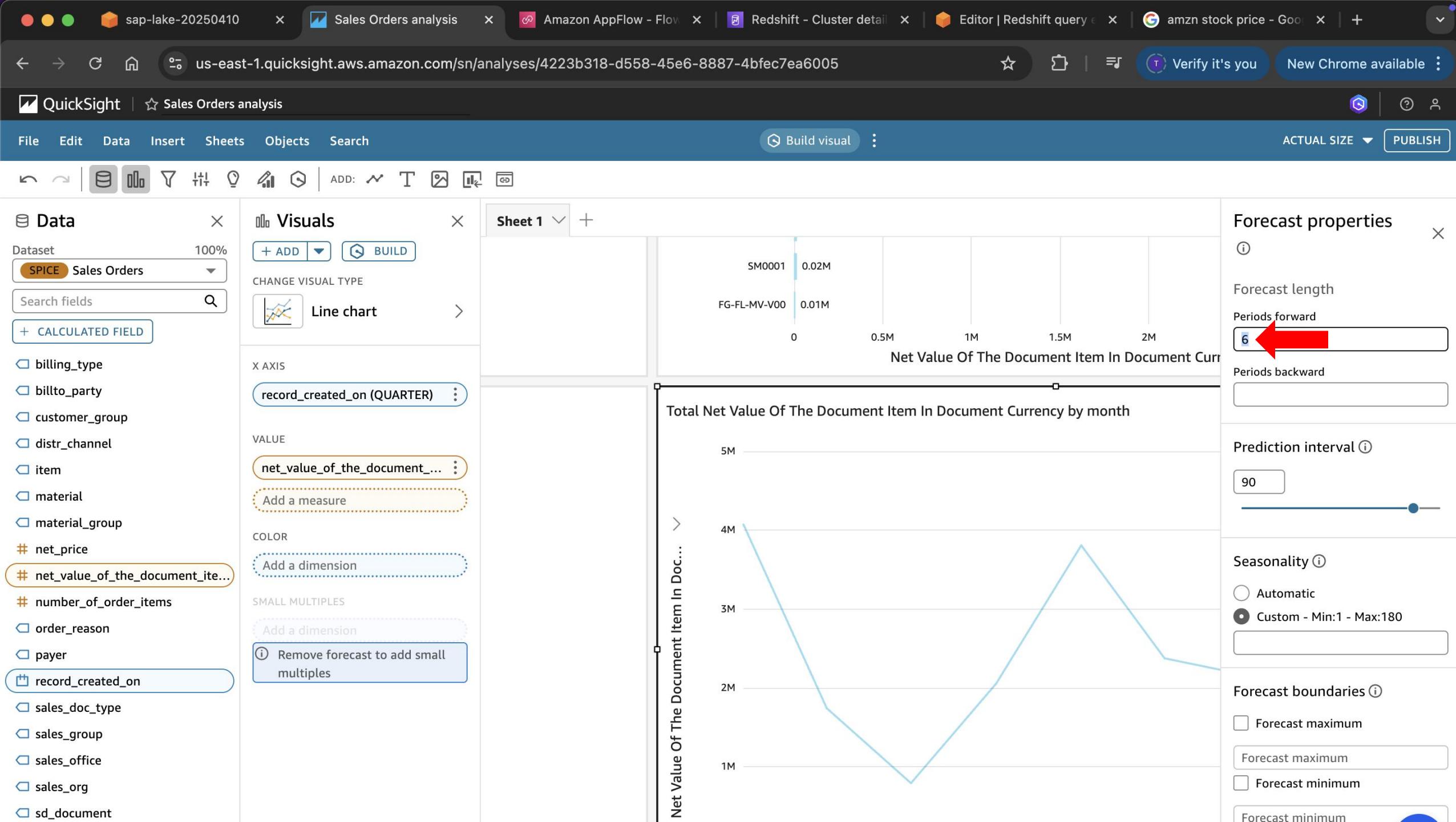


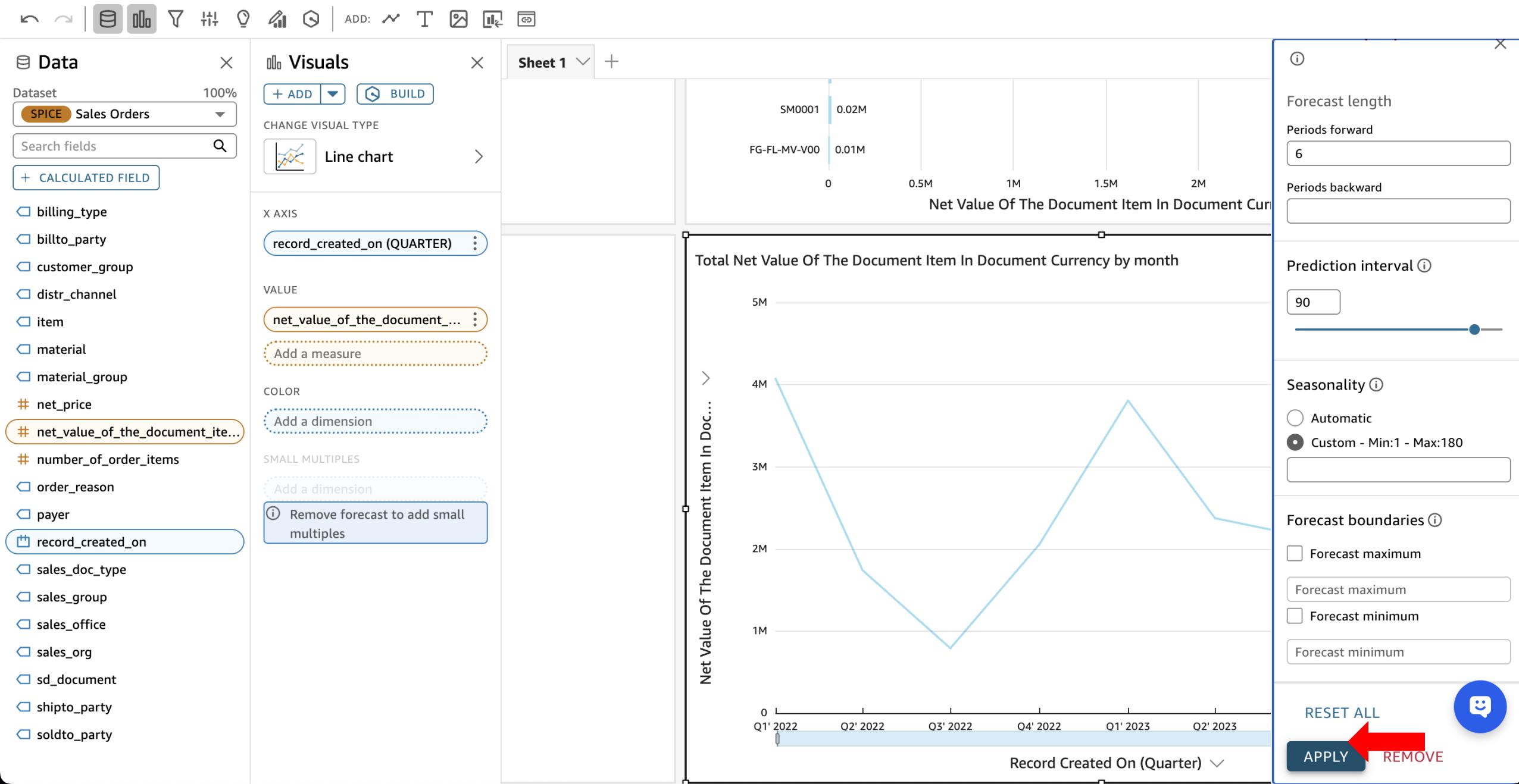


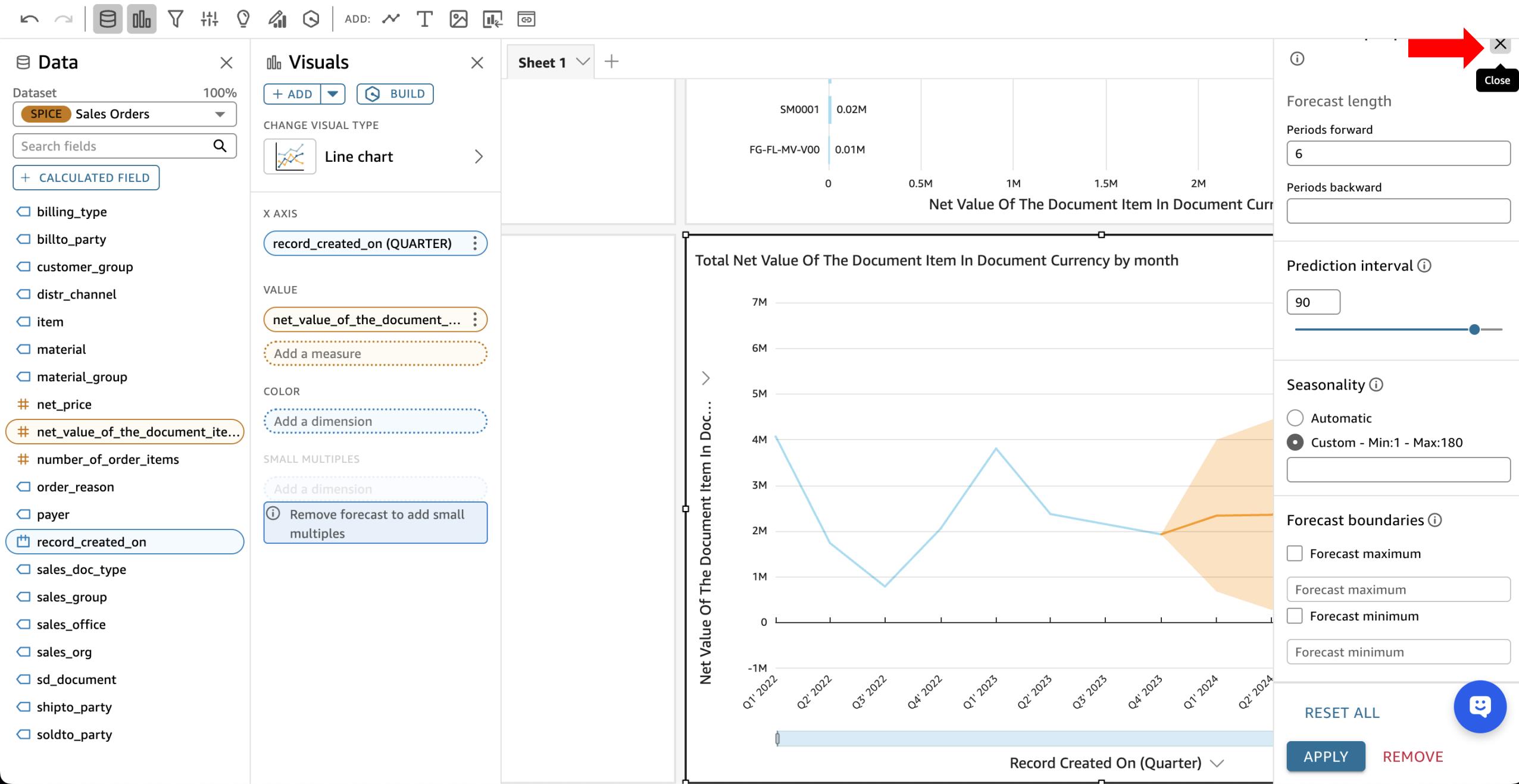


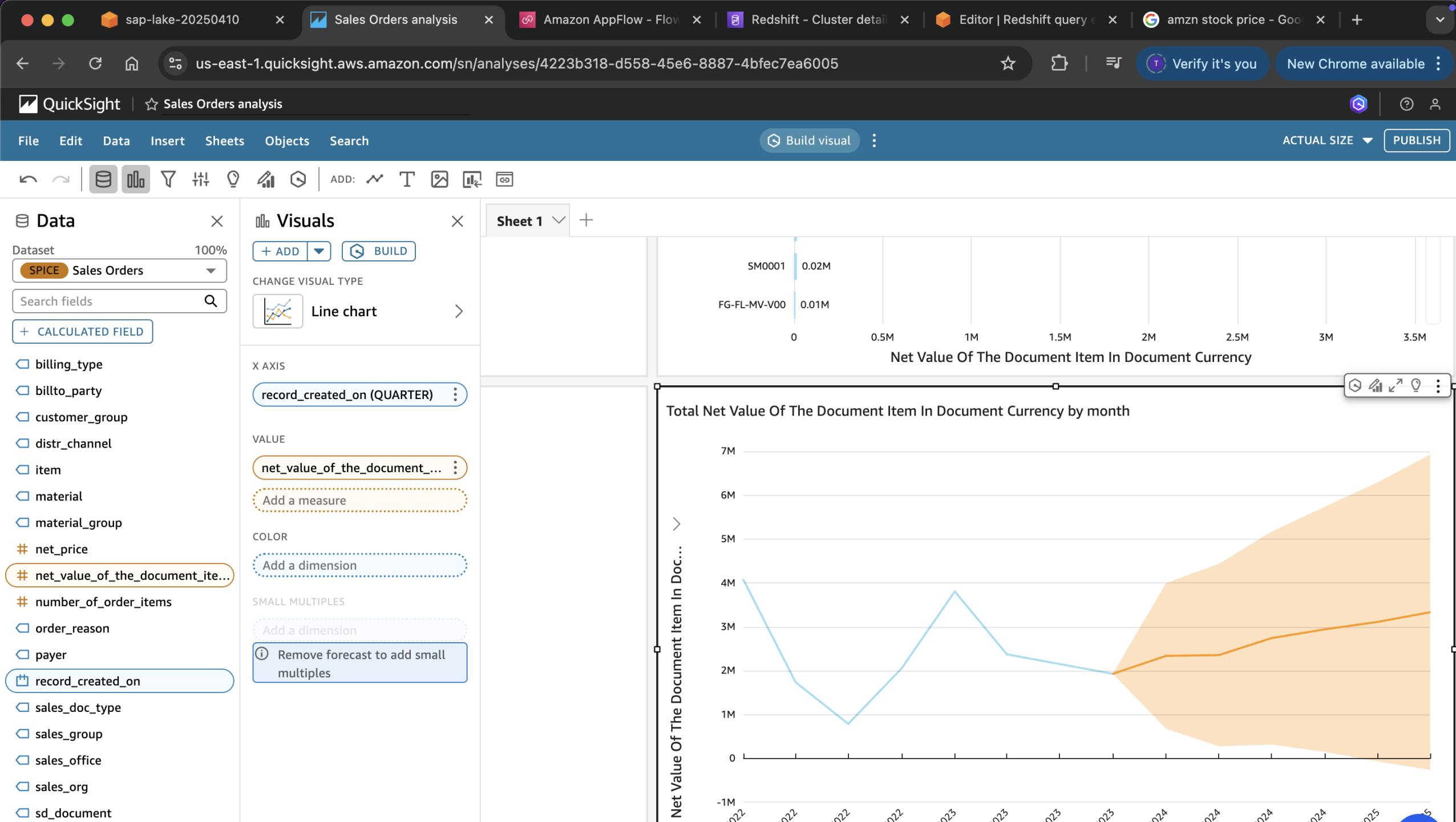












Sap-lake-20250410 Sales Orders analysis Amazon AppFlow - Flow Redshift - Cluster detail Editor | Redshift query amzn stock price - Google

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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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

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%)

Visual Type: Line chart

X AXIS: record\_created\_on (QUARTER)

Value: net\_value\_of\_the\_document\_ite... (Add a measure)

Color: Add a dimension

Small Multiples: Add a dimension (Remove forecast to add small multiples)

Net Value Of The Document Item In Doc...

0 0.5M 1M 1.5M

SM0001 0.02M

FG-FL-MV-V00 0.01M

0 0.5M 1M 1.5M

Net Value Of The Document Item In Doc...

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

-1M 2022 2022 2022 2023 2023 2023 2023

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

Net Value Of The Document Item In Doc...

0 0.5M 1M 1.5M

SM0001 0.02M

FG-FL-MV-V00 0.01M

0 0.5M 1M 1.5M

Net Value Of The Document Item In Doc...

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

-1M 2022 2022 2022 2023 2023 2023 2023

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...

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\_item\_in\_doc\_curre...  
number\_of\_order\_items  
order\_reason  
payer  
record\_created\_on  
sales\_doc\_type  
sales\_group  
sales\_office  
sales\_org  
sd\_document

Visuals

CHANGE VISUAL TYPE: Line chart

X AXIS: record\_created\_on (QUARTER)

VALUE: net\_value\_of\_the\_document\_item\_in\_doc\_curre...

COLOR: Add a dimension

SMALL MULTIPLES: Add a dimension

Remove forecast to add small multiples

Sheet 1 +

Net Value Of The Document Item In Document Currency

0 0.5M 1M 1.5M

SM0001 0.02M

FG-FL-MV-V00 0.01M

Net Value Of The Document Item In Document Currency

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

2022 2022 2022 2023 2023 2023 2023

Total Net Value Of The Document Item In Document Currency

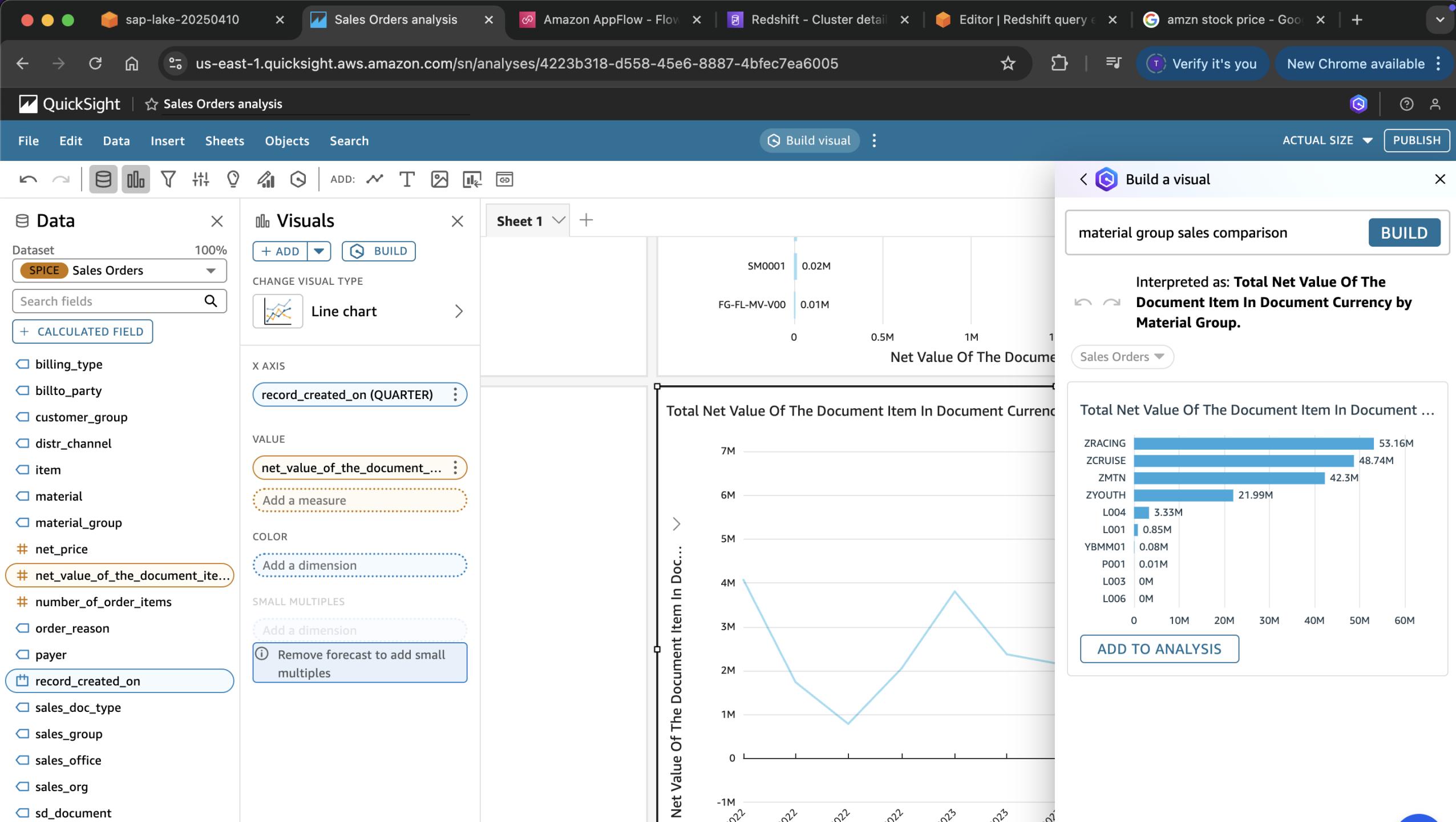
Build a visual

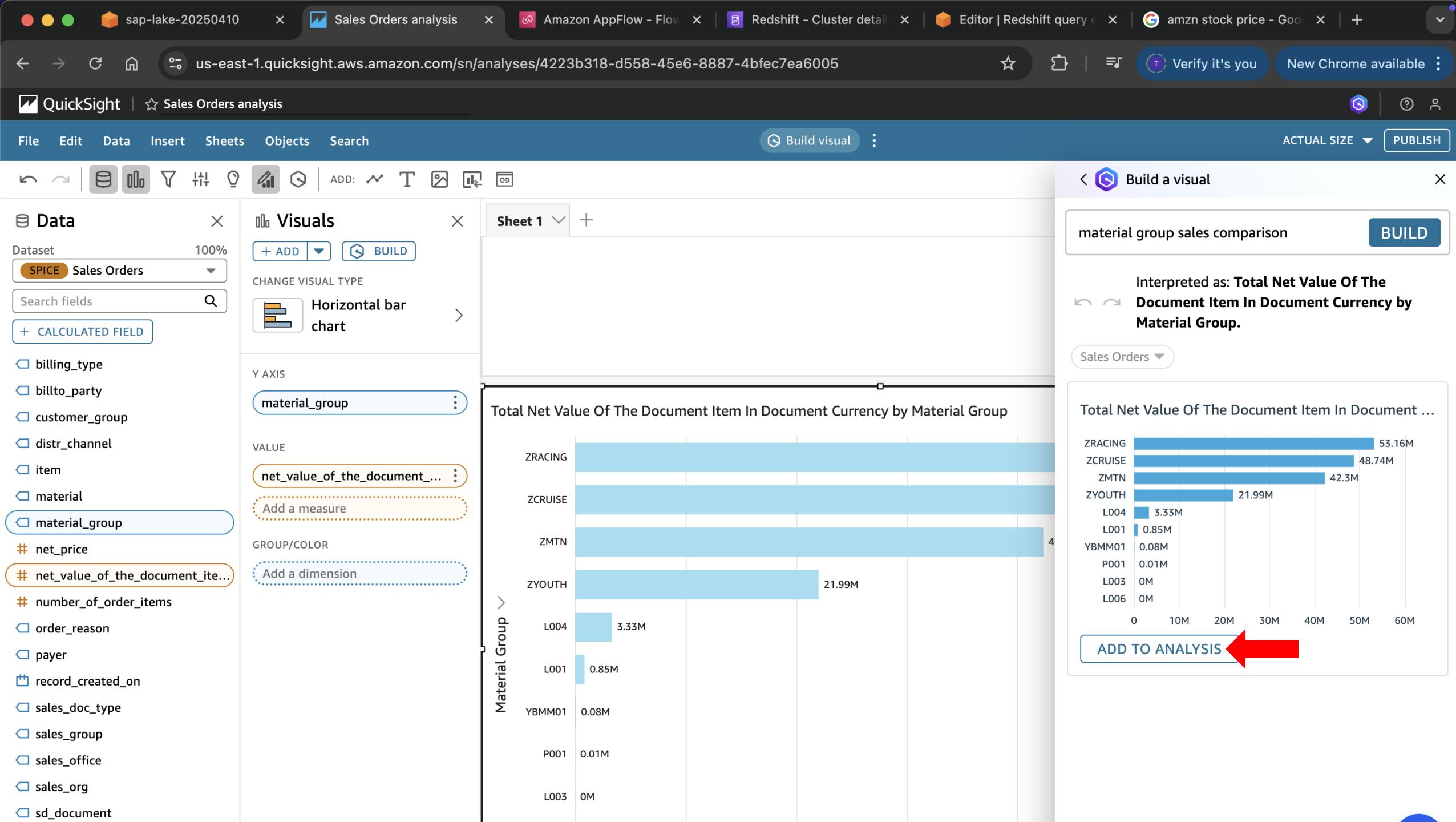
Record Created On between Oct 6, 2017 and Nov 27, 2023

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

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1.Introduction

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AWS account access

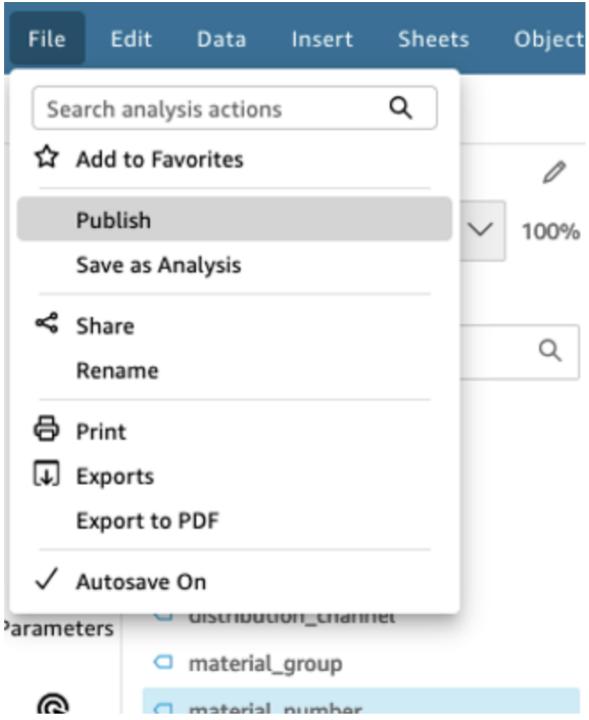
Content preferences

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

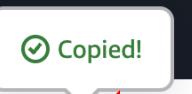
X-axis

Reference lines

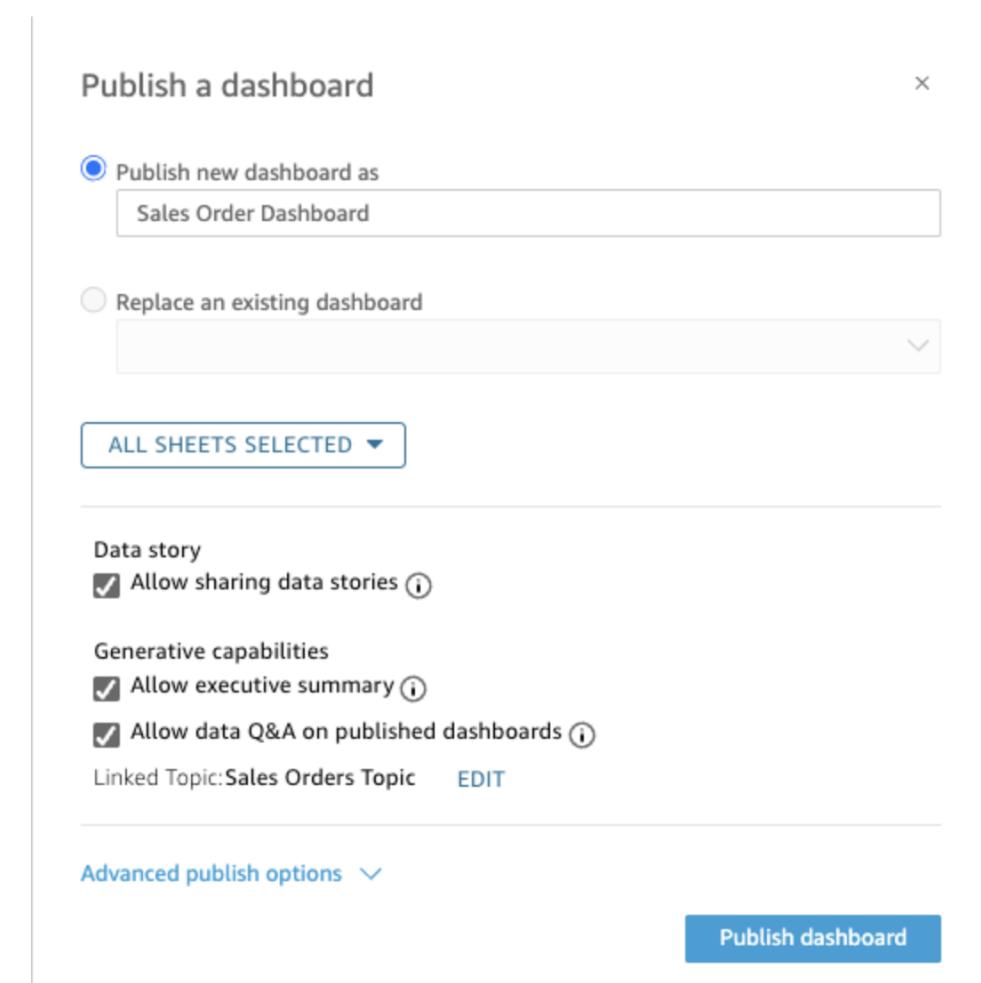
Data labels  

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



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

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

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...

Add a measure

GROUP/COLOR

Add a dimension

## Publish dashboard

New dashboard

Replace existing dashboard

Dashboard name

Sales Orders Dashboard

Select sheets

All sheets

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 Allow sharing data stories 

## Generative capabilities

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

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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

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## Properties

Visual

Interactions

&gt; Display Settings

&gt; Y-axis

&gt; X-axis

&gt; Reference lines

&gt; Data labels



us-east-1.quicksight.aws.amazon.com/sn/dashboards/2619f260-646c-42fa-9144-75d4457e5ee8

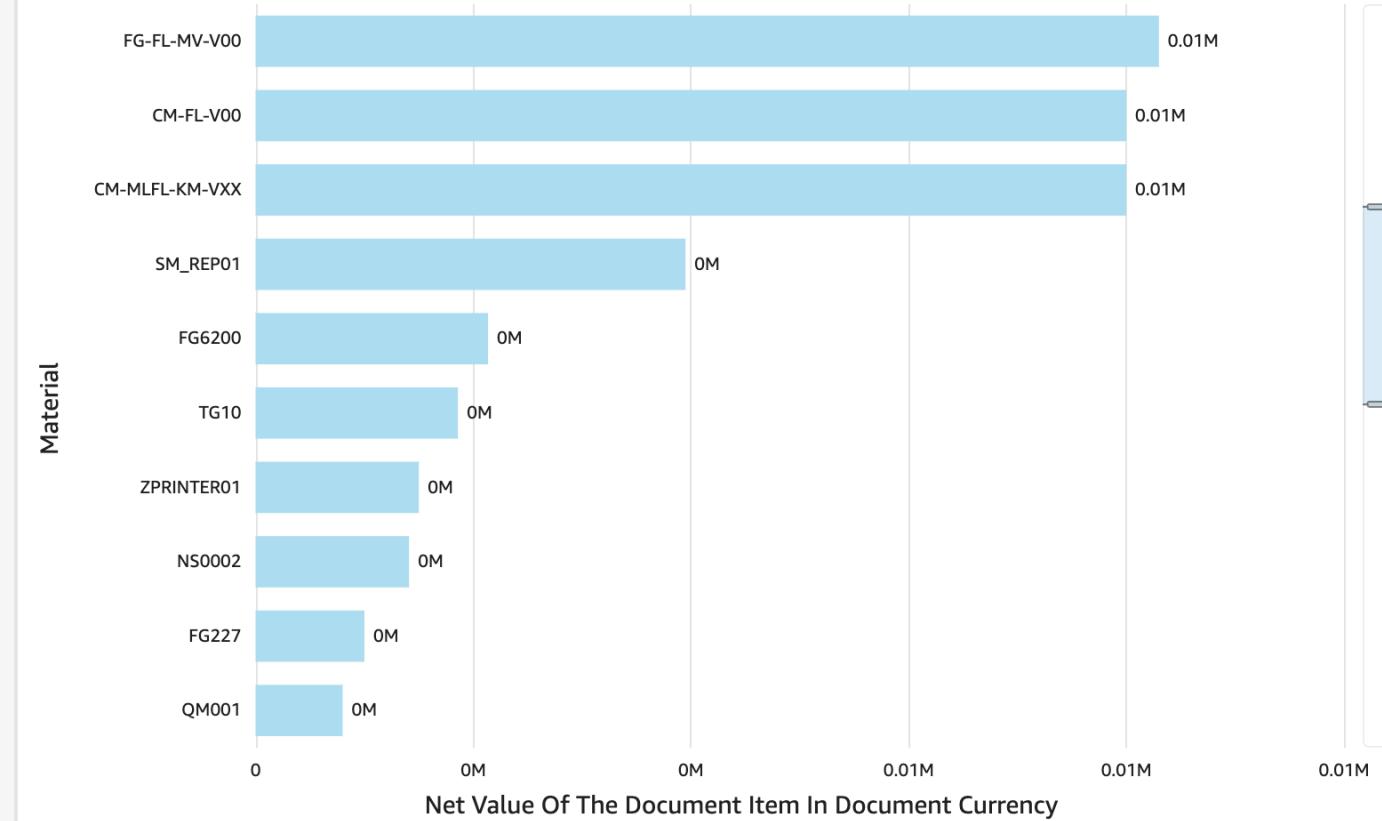
Verify it's you | New Chrome available

QuickSight | Sales Orders Dashboard / Original dashboard

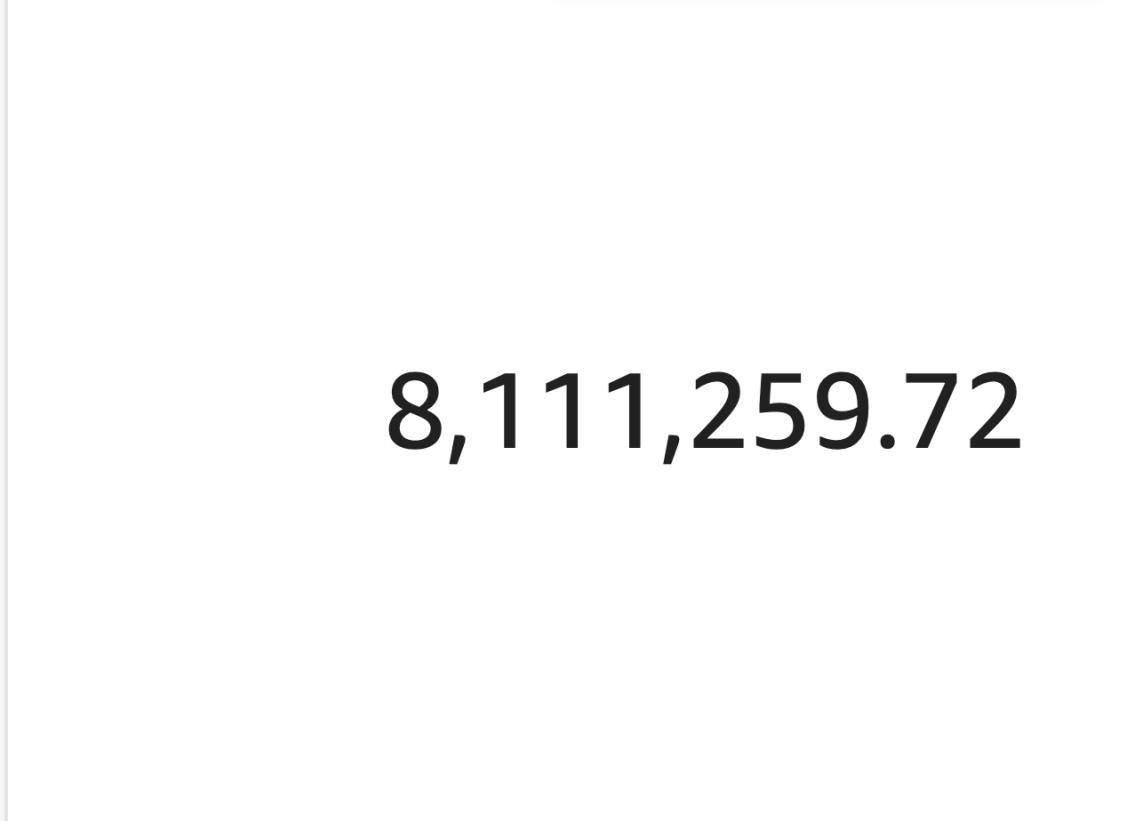
Ask a question about Sales Orders Topic

BUILD

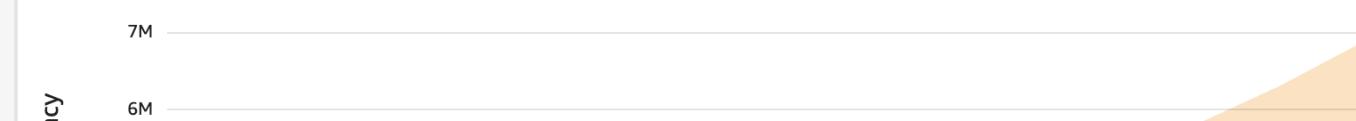
Total Net Value Of The Document Item In Document Currency by Material



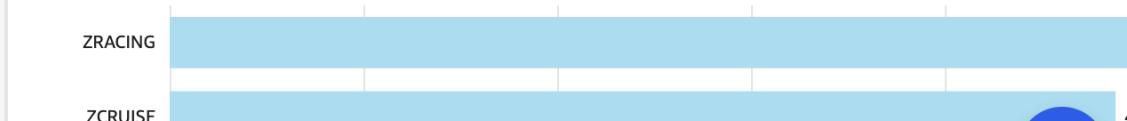
Total Net Value Of The Document Item In Document Currency by Month

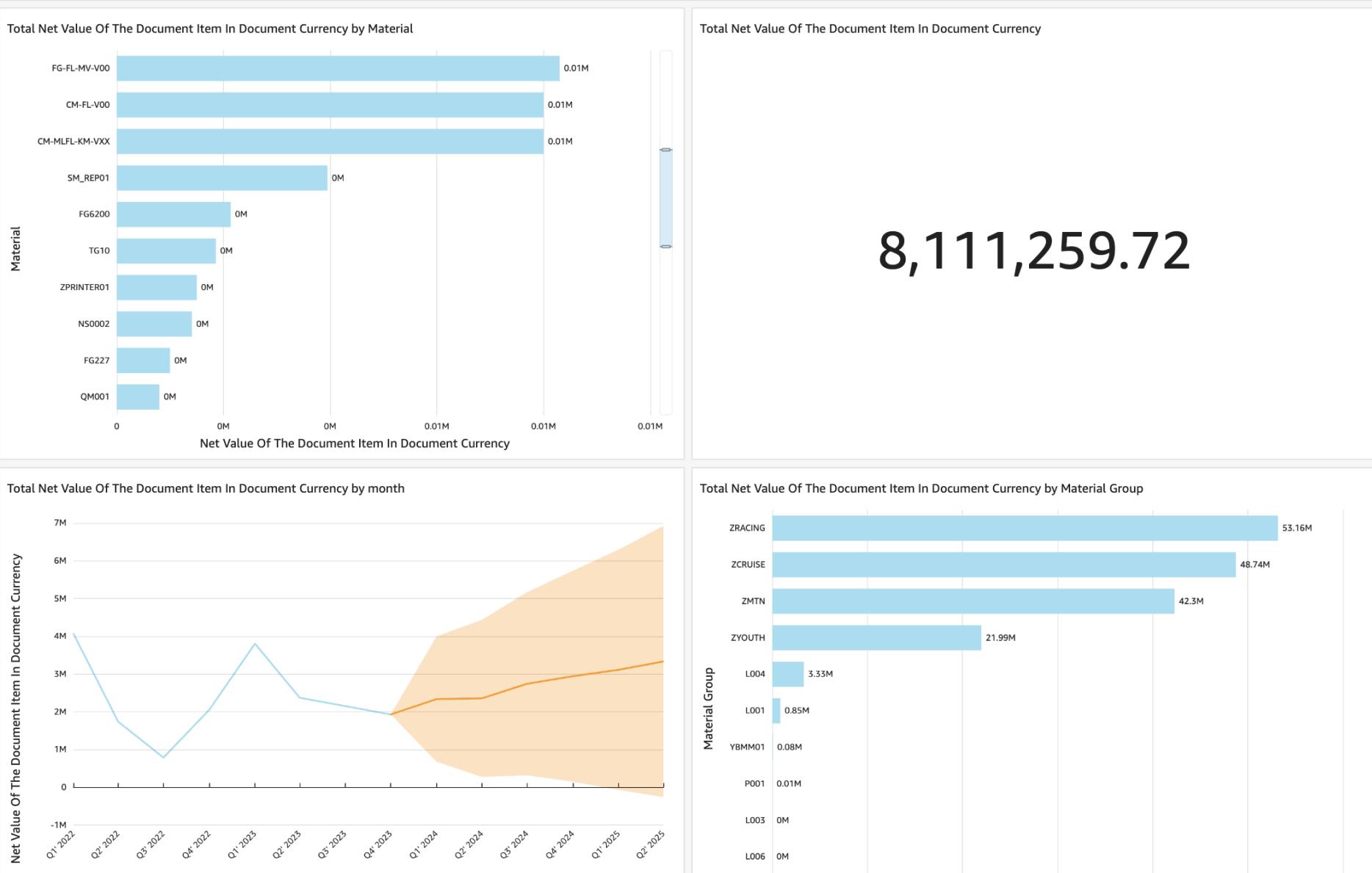


Total Net Value Of The Document Item In Document Currency by month



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







# Thank you!

Michael Lin

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