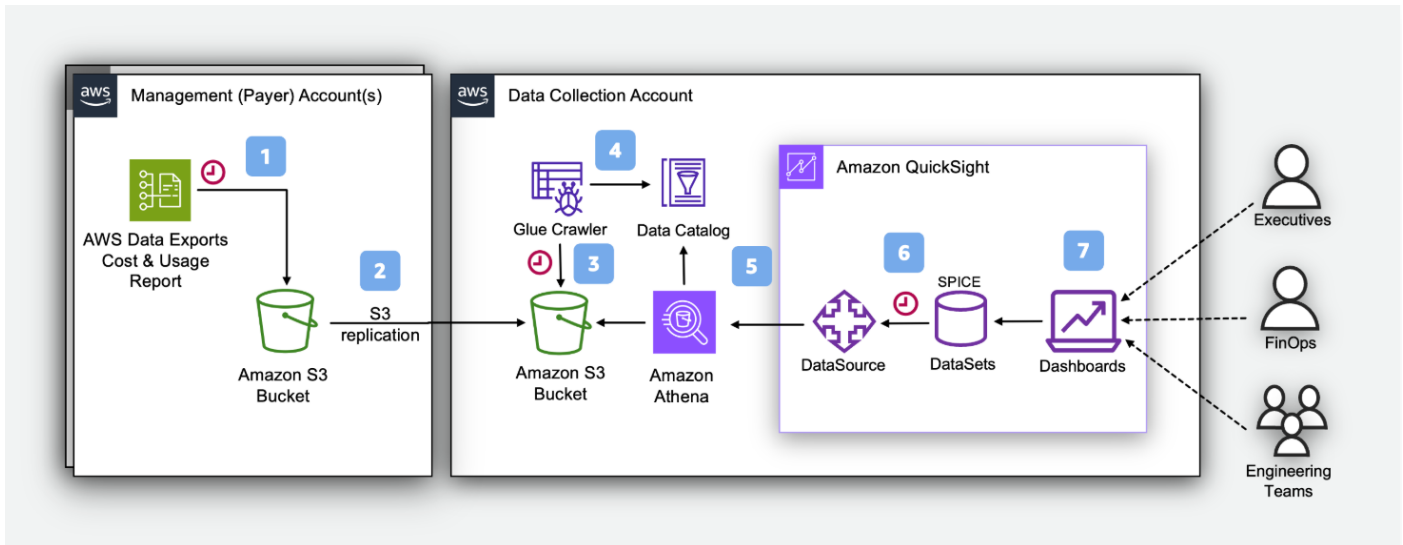# Create AWS Cloud Intelligence Dashboard

> ➤ **Understand the flow of Cloud Intelligence Dashboard -**

1. Daily Cost Report Delivery
- The AWS Cost & Usage Report (CUR) is sent every day to an Amazon S3 bucket in the management account.

2. Data Replication
- This report is automatically copied to another S3 bucket in the data collection account.

3. Daily Data Crawling
- An AWS Glue crawler runs once a day to find new or updated cost and usage data in the S3 bucket.

4. Updating the Data Catalog
- The Glue crawler updates a table in the Glue Data Catalog with the latest information about the data.

5. Querying Data with Athena
- Amazon Athena reads the cost and usage data from the S3 bucket using the structure defined in the Glue Data Catalog.

6. Using Athena Data in QuickSight
- Amazon QuickSight uses Athena as a data source to create datasets for analysis. Most datasets are stored in QuickSight's SPICE engine and updated daily.

7. Accessing Dashboards
- Dashboards in QuickSight display cost and usage data, either directly from Athena or from cached SPICE datasets.

8. User Access to Dashboards
- Teams or individuals can access these dashboards through QuickSight, using AWS IAM permissions or single sign-on (SSO) via a SAML provider.

Follow the below steps to Implement Dashboard

Step 1 – Create S3 Bucket in Data Collection AWS Account
Prepared by – Atish Sonawane

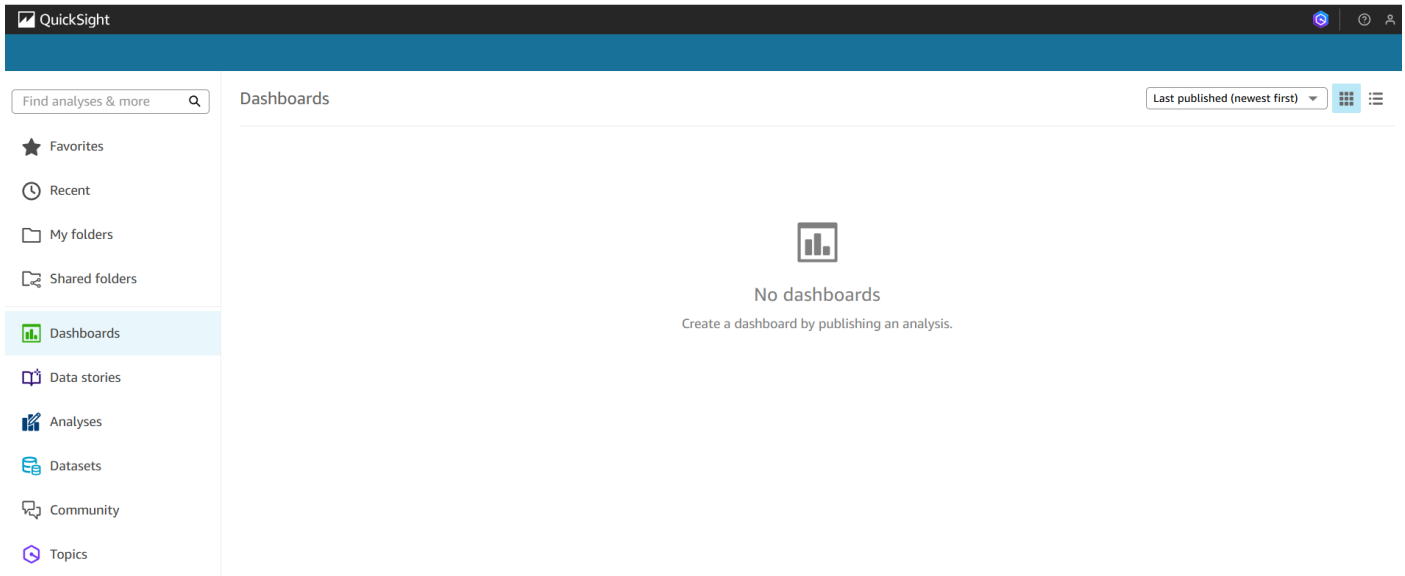**Step 2 –** Configure bucket policy under the permission menu

Note – Replace Bucket Name and AWS Account ID

Step 3 – Sign-In QuickSight in Data Collection AWS Account
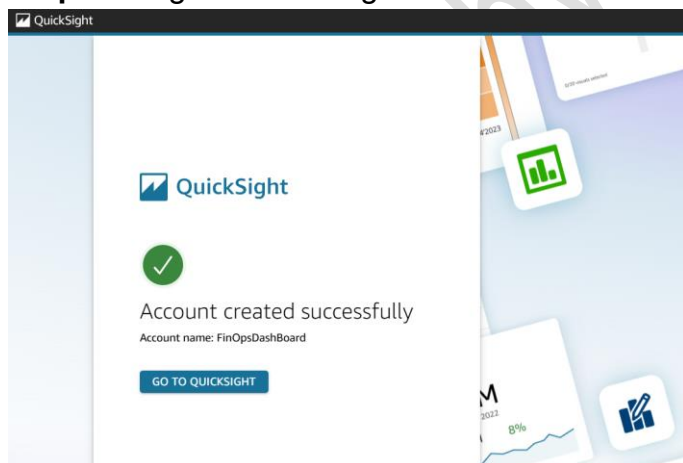
Note – Select created S3 Bucket

Step 4 – Verify No Dashboard available under QuickSight

Prepared by – Atish Sonawane

Step 5 – Create a Stack in Data Collection Account using the below link

Link-
https://console.aws.amazon.com/cloudformation/home#/stacks/create/review?&templateURL=http
s://aws-managed-cost-intelligence-dashboards.s3.amazonaws.com/cfn/data-exports-
aggregation.yaml&stackName=CID-DataExports-
Destination&param_ManageCUR2=yes&param_ManageCOH=no&param_DestinationAccountId=
REPLACE%20WITH%20DATA%20COLLECTION%20ACCOUNT%20ID&param_SourceAccountI
ds=PUT%20HERE%20PAYER%20ACCOUNT%20IDS

Note – Replace Data Collection Account ID and Source ID
(You can add multiple source account IDs by using comma separated)

Step 6 – Create a Stack in Data Collection Account using the below link
Link-
https://console.aws.amazon.com/cloudformation/home#/stacks/create/review?&templateURL=http
s://aws-managed-cost-intelligence-dashboards.s3.amazonaws.com/cfn/data-exports-
aggregation.yaml&stackName=CID-DataExports-
Source&param_ManageCUR2=yes&param_ManageCOH=no&param_DestinationAccountId=REP
LACE%20WITH%20DATA%20COLLECTION%20ACCOUNT%20IDs&param_SourceAccountIds=

Prepared by – Atish Sonawane

Note – Only Replace Data Collection Account ID

Step 7 – Deployed the Cloud Intelligence Dashboard on the Data collection account using stack

Prepared by – Atish Sonawane

Link -
https://console.aws.amazon.com/cloudformation/home#/stacks/create/review?templateURL=https:
//aws-managed-cost-intelligence-dashboards.s3.amazonaws.com/cfn/cid-
cfn.yml&stackName=Cloud-Intelligence-
Dashboards&param_DeployCUDOSv5=yes&param_DeployKPIDashboard=yes&param_DeployC
ostIntelligenceDashboard=yes

Note – For the required Dashboards mark as a 'yes'

Step 8 – Check Athena service where the Database will create with the schema

Step 9 – Dashboard links are available under the Outputs of Cloud Intelligence Dashboard Stack

Prepared by – Atish Sonawane

Step 10 – You can directly go to the QuickSight and check whether the Dashboard added or not
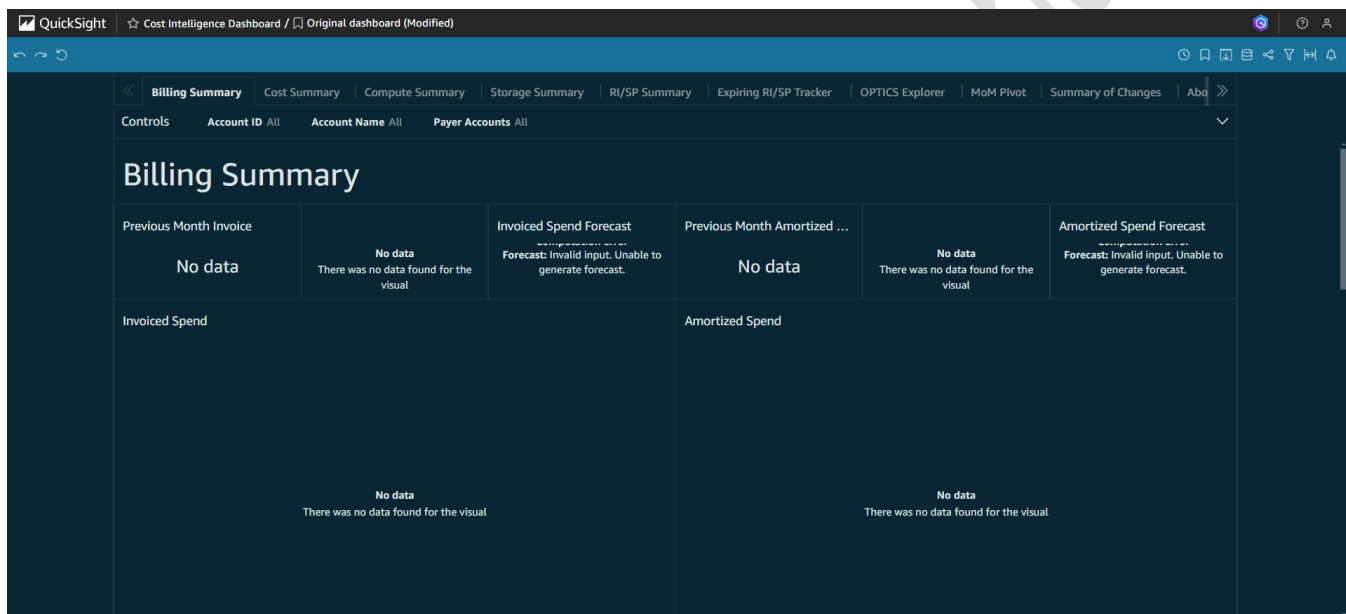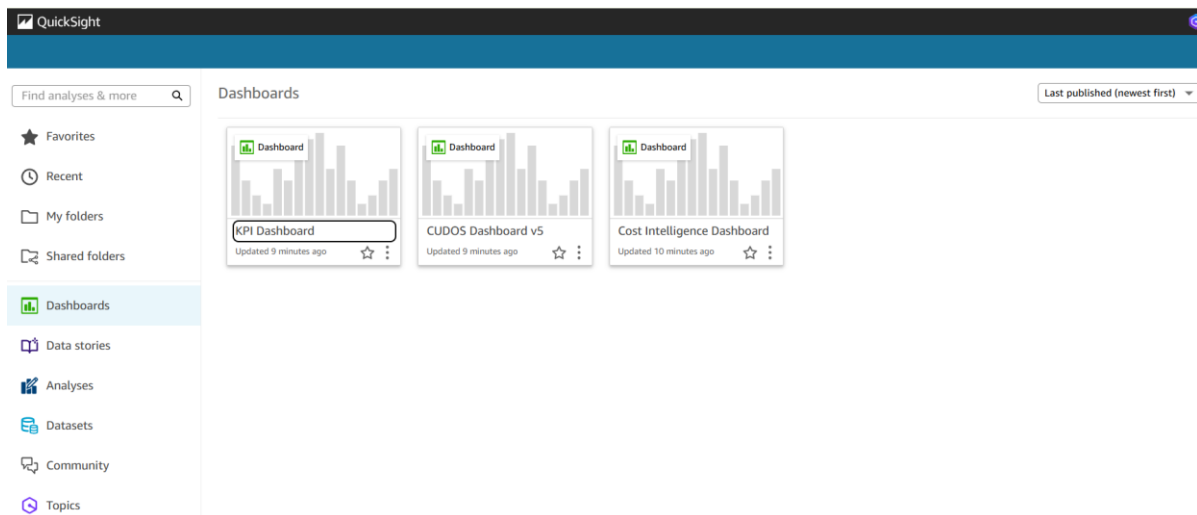
Note – Data will be updated after 24-48 hours.