

Modernize your SAP Accounts Payable reporting with AWS Data Lake and AI/ML services

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SAPinsider

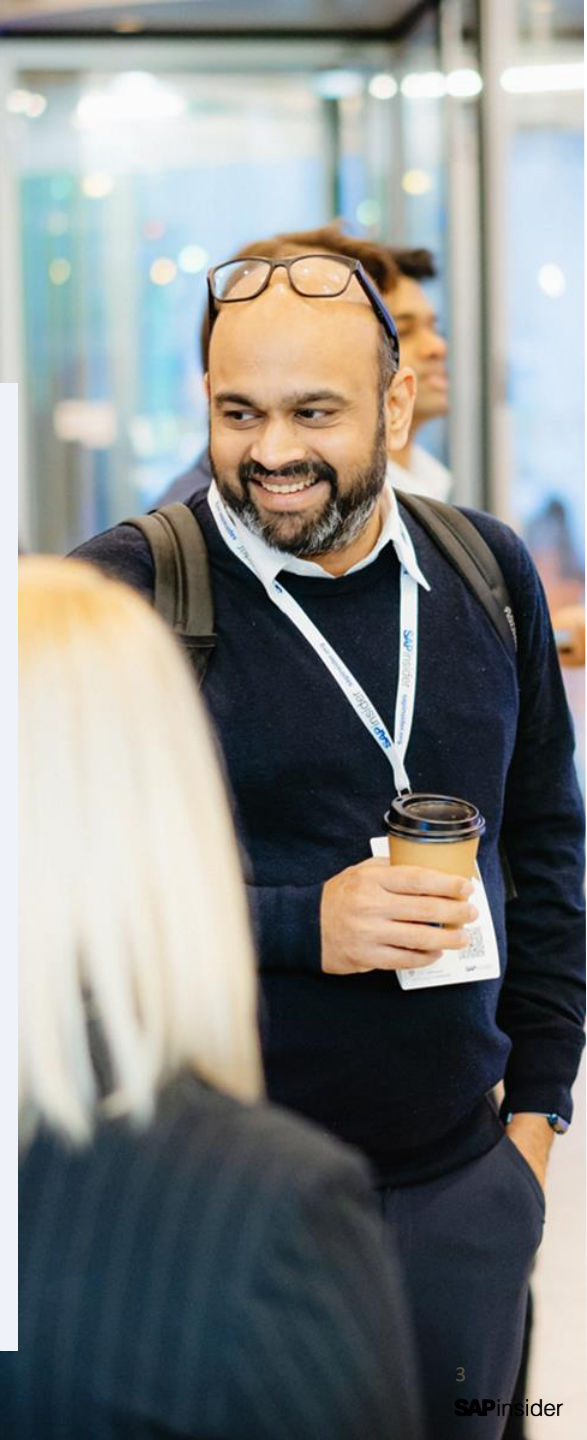


In This Session

Discover how organizations can drive new insights including identifying cost savings and optimizing vendor selection, all while reducing manual effort, by automating the extraction of SAP Accounts Payable data into an AWS data lake and utilizing AI/ML and generative BI capabilities.

What We'll Cover

- Procurement challenges
- Customer pain points
- AWS Analytics Fabric for SAP
- Workshop
- Next steps



Procurement challenges

Challenges include:

- Discrepancies in order fulfilment
- Supplier performance and compliance
- Risk management
- Vendor management and strategic sourcing



Customer pain points

Avoid customer pain points including:

- Unavailable products
- Poor product quality
- Long wait times
- Delivery delays



It's your data. Harness it.

Whether growing your top line, optimizing purchasing to bolster your bottom line, or improving quality on the production line, AWS helps you **make better decisions** with your SAP data.



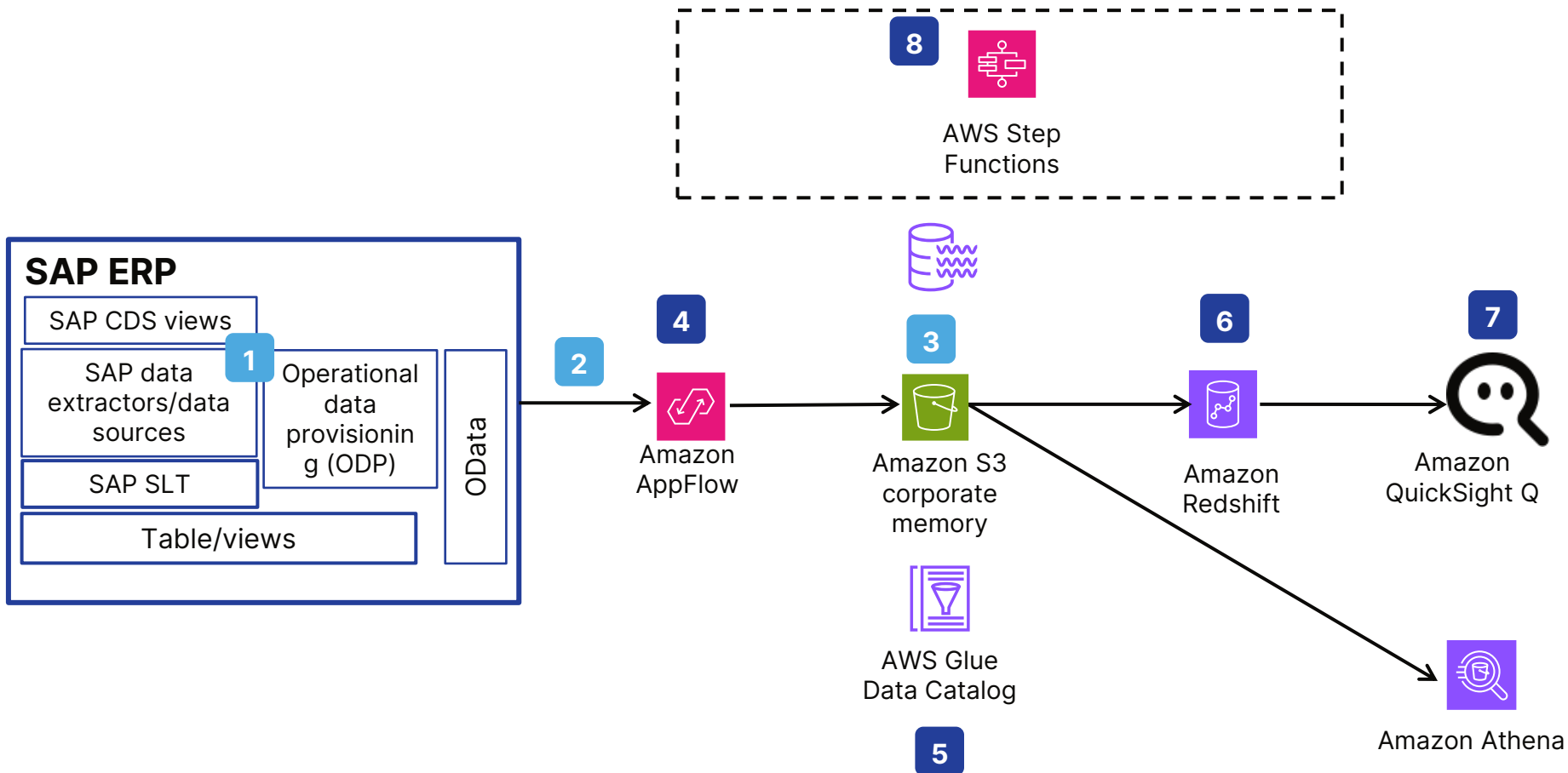
Unlock new insights with data and analytics



AWS Analytics Fabric for SAP

- Accelerated, yet simple, path to get started on AWS with your data assets
- Pre-built ingestion, cataloging, modelling, and consumption
- With a few clicks, you can deploy pre-defined data pipelines into your AWS account
- Fast access to AWS analytics, AI, and ML capabilities
- Get near-real-time insights within minutes from the data being updated

AWS Analytics Fabric for SAP Architecture



- 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

Deep Dive into Architecture

Data acquisition



Amazon AppFlow

Corporate memory



Amazon Simple Storage Service (Amazon S3)




S3 Intelligent-Tiering





Data lake

Operational data store





Amazon Redshift




STG
(staging schema)
and tables

Propagation





DM
(data mart
schema)
Slowly Changing
Dimension Type2
tables



Stored
procedures

Architected/virtual data mart



ARCHDM
(architected data mart
schema)
and materialized views

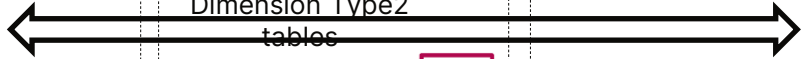
Consumption



Amazon QuickSight Q



Template



AWS CloudFormation



AWS Glue



AWS Glue
Data Catalog



AWS Step Functions



Amazon Athena

Why this moves the needle



Acceleration

Simplify and **accelerate** your data movement to the cloud



Innovation

Ability to utilize **other AWS purpose-built services** with your data



Pre-built

Pre-built automation and orchestration for **near-real-time** insights

Pre-modeled data with **full visibility on historical data changes**, allowing for improved insight

Pre-modeled data **easy to enhance** with your SAP system specific modifications



Simple

No barriers to getting started

AWS Managed Services, **only pay for what you use**

Workshop

Objectives and expected outcome

The goal of this workshop is to get an understanding of AWS Data Analytics for SAP and learn how to solve common procurement end-to-end process challenges leveraging Generative BI capabilities.

The components that will be used for this lab are SAP S/4 2022 with demo sales order data, Amazon S3, Amazon AppFlow, Amazon Athena, Amazon QuickSight, AWS Step Functions, and Amazon Redshift.



Expected Outcomes

1. Review deployed data pipeline and data models in AWS Glue and Amazon Redshift
2. Create SAP business dashboard with AI/ML visualization using Amazon QuickSight
3. Apply generative BI with Amazon Q in QuickSight to enrich the SAP business analysis

Lab setup

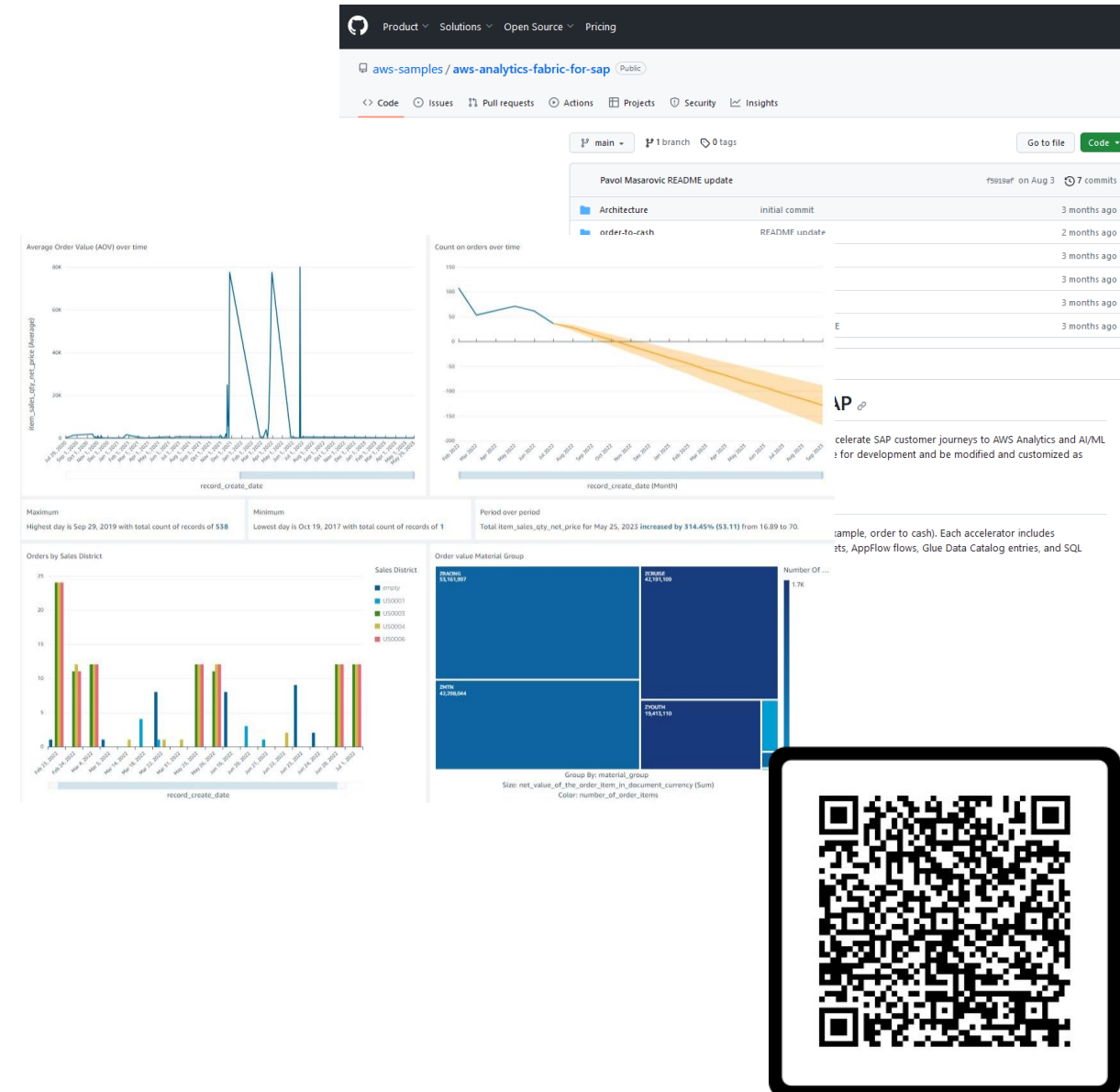
- Google Chrome browser is recommended
- Logout from your AWS accounts
- Claim your AWS account for the workshop using the following URL:

<https://catalog.workshops.aws/>

AWS Analytics Fabric accelerator – GIT Repo

AWS Analytics Fabric for SAP delivers:

- **Data models** with business context
- Near real-time **data pipelines** including change data capture (CDC)
- **Data stored** cost effectively in highly scalable Amazon S3 data lake
- **Contextual data** to build reports and advanced analytics at speed



Where to Find More Information

https://help.sap.com/doc/saphelp_nw74/7.4.16/en-US/e2/487053bbe77c1ee10000000a174cb4/content.htm

- Technical data of the extractor 2LIS_02_ITM

https://help.sap.com/doc/saphelp_nw74/7.4.16/en-US/57/dad06449114814919000e27dfb255e/content.htm

- Technical data of the extractor 2LIS_06_INV

<https://aws.amazon.com/quicksight/q/>

- Preview Amazon Q in QuickSight – your generative BI assistant that makes it easy to build and consume insights

<https://aws-quickstart.github.io/quickstart-amazon-appflow/>

- Amazon AppFlow on the AWS Cloud Quick Start Reference Deployment

<https://docs.aws.amazon.com/redshift/latest/mgmt/welcome.html>

- Amazon Redshift documentation

<https://docs.aws.amazon.com/quicksight/latest/user/welcome.html>

- Amazon QuickSight documentation

<https://aws.amazon.com/blogs/awsfor sap/extend-rise-with-sap-on-aws-with-analytics-fabric-for-sap-accelerators/>

- Try AWS Analytics Fabric for SAP (OTC) in your company

Key Points to Take Home

- **AWS Analytics Fabrics for SAP** has been built to help accelerate RISE customer journeys and help them derive additional value from AWS Analytics and AI/ML services.
- **Near real-time** data pipelines that are simple and adaptable
- Data stored in **cost effective** tiers (using Amazon S3 Intelligent Tiering) and highly scalable in an AWS data lake using Amazon S3
- **High-quality, contextual data** to users to build reports and perform advanced analytics with SAP data and non-SAP data at speed leveraging **generative AI capabilities of AWS**.
- Try **AWS Analytics Fabric for SAP (PTP)** in your company

Additional sessions

Visit AWS booth : #640



Additional Sessions

Date	Time	Session Type	Content Title	Room
March 19th	10:30AM-12:10PM	Sponsored	Best practices to save millions of dollars from business disruption on AWS	Da Vinci 4
March 19th	2:10-2:50PM	Customer	The Under Armour transformation: Secure and scale your business with AWS for SAP	Da Vinci 4
March 20th	10:30-11:10AM	Sponsored	Accelerate the move to SAP S/4HANA while protecting existing investments	
March 20th	10:30AM-12:30PM	Workshop	Modernize your SAP Accounts Payable reporting with an AWS Data Lake and AI/ML services	Cezanne 1
March 20th	11:30-11:50AM	Impact20	SAP Journey to Open Hybrid Cloud with Red Hat and AWS	Theater 1
March 20th	1:10-1:50PM	Customer	Love's Travel Stops' road to SAP modernization with AWS	Da Vinci 4
March 20th	2:10-2:50PM	Customer	Molson Coors' Journey to S/4HANA and AWS with Basis Technologies	Ballroom 3

Thank you! Any Questions?

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Come visit us at the AWS booth for individual meeting with AWS Experts

Please remember to
complete your session
survey..



<https://pulse.aws/survey/NYDLGUDL>

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