

AWS State, Local, and Education Learning Days

Phoenix, AZ

1:30pm – 3:00pm

200
level

Workshop:
The power of
GenAI in data
transformation
and visualization

Transform raw data into
actionable insights
using AWS generative
AI solutions



Leveraging GenAI for Data Transformation & Visualization

Workshop

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Workshop Scenario!

You are a public health analyst tasked with identifying trends in hypertension in North Dakota. Today's task is to use Generative AI to transform data, build visualizations and extract insights from your data using natural language!

AWS Services for extraction and transformation

Amazon S3



Secure, scalable
object storage

AWS Glue



Discover, prepare,
and integrate data

Amazon Athena



Serverless, highly
scalable, easy to
use analytics service
to query data

Amazon Quick Sight

UNIFIED BUSINESS INTELLIGENCE AT SCALE



Unified BI service that delivers modern dashboards, pixel-perfect reports and embedded analytics

Consistent performance at any scale

Lower costs by paying for what you need

Policy based governance, security



AI features in Amazon Quick Sight

ACCELERATE THE PATH TO DATA-DRIVEN DECISIONS FOR ALL USERS

AI-powered dashboard authoring experience
empowers business analysts to build faster

AI-assisted data storytelling
allows business users to discover and share findings

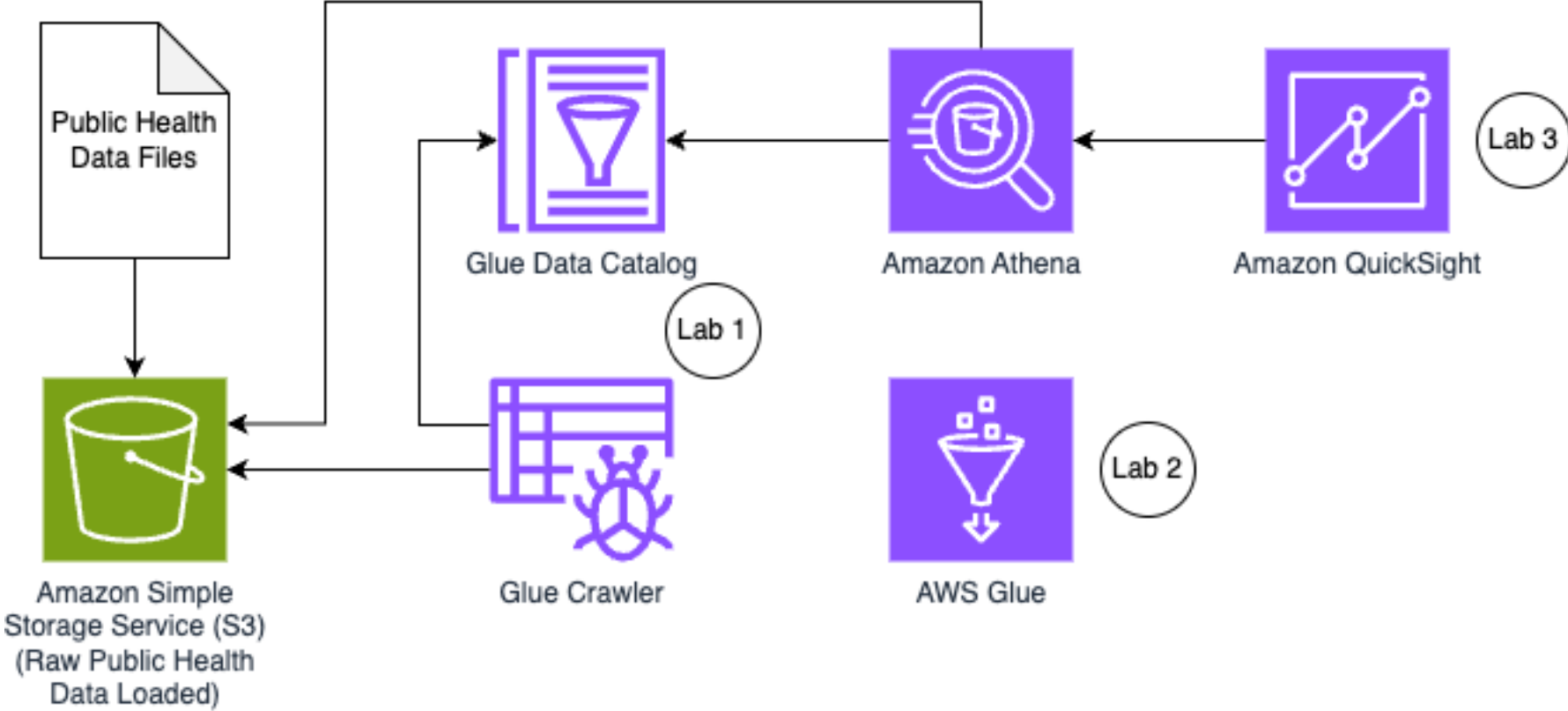
An advanced AI agent
makes everyone their own data analyst

On-demand answers to questions about data
helps get insights from all your enterprise data

**Powered by
Amazon Bedrock**



Workshop Scenario Architecture



Before we get started ...

**Please raise
your hand
to ask
questions**



**Please fill the
CSAT survey at
the end**



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Access Code: **d807-030346-9b**

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Review the terms and join the event

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Step 1
Enter event access code

Step 2
Review and join

Review and join

Event details

Name	Start time	Duration	Level
AWS General Immersion Day	9/23/2022 01:13 AM	12 hours	-

Description
AWS General Immersion Day

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How to access AWS console

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Learning Days - The Power of GenAI in Data Transformation and Visualization event

Event dashboard > AWS Learning Days: Leveraging GenAI for Data Transformation & Visualization

Learning Days - The Power of GenAI in Data Transformation and Visualization event

Event information

Start time 3/24/2025 04:39 PM	Duration 72 hours	Accessible regions us-east-1
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Description
Test event for content Learning Days - The Power of GenAI in Data Transformation and Visualization

Workshop [Get started >](#)

Title Learning Days - The Power of GenAI in Data Transformation and Visualization	Complexity level 200	AWS services AWS Glue, Amazon QuickSight, Amazon Q	Topics Analytics, Machine Learning (ML/AI), Generative AI
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Description
In this workshop, participants will transform data in an existing data lake using Q for Developers in AWS Glue and then use Amazon Q in QuickSight to create insights, data stories and more.

Event Outputs (0)

Q Search

Key	Value	Stack name	Description	Type
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Navigation:

- Learning Days - The Power of GenAI in Data Transformation and Visualization event
- AWS Learning Days: Leveraging GenAI for Data Transformation & Visualization
- Lab 1 - Discovering and cataloging your data
- Lab 2 - Transforming data with Amazon Q data integration in AWS Glue
- ▶ Lab 3 - Visualizing and Analyzing Data with Amazon Q in QuickSight Clean Up
- ▼ **AWS account access**
 - [Open AWS console \(us-east-1\)](#)
 - [Get AWS CLI credentials](#)
- Exit event



Thank you!

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Up Next in this Room

3:15pm – 4:15pm

200
level

**Amazon SageMaker
Unified Studio**

**Transforming Public
Sector Analytics and
AI/ML workloads with
a unified IDE**

**Please complete the survey
for this session**



Track: Data & analytics track

Session: The Power of GenAI in Data
Transformation and Visualization