# AWS Inforce JUNE 13 - 14, 2023 | ANAHEIM, CA

**TDR333** 

## Gaining insights from Amazon Security Lake

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### Agenda

- Service overview
- Amazon Security Lake architecture
- How to access your data
- Example use cases and queries



### What is Amazon Security Lake?

AUTOMATICALLY CENTRALIZE SECURITY DATA INTO A PURPOSE-BUILT DATA LAKE IN A FEW STEPS



**Centralize** data automatically from cloud, on-premises, and custom security sources across Regions

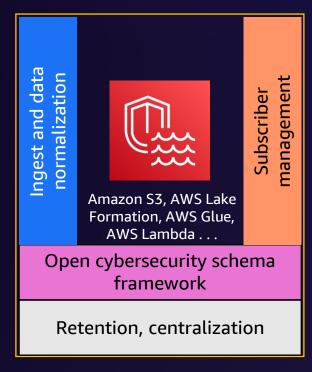
**Optimize** and manage security data for more efficient storage and query performance

Normalize data to an industry standard to easily share and use with multiple analytics tools

**Analyze** using your preferred analytics tools while retaining control and ownership of your security data

### **How it works**

#### Amazon Security Lake



**Customer-owned,** managed data lake



### **How it works**

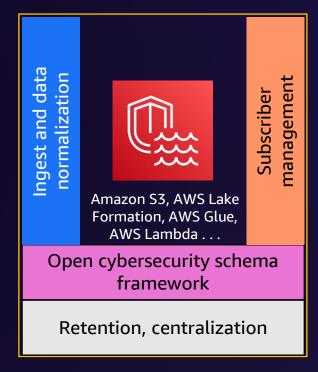
AWS logs sources and findings from over 50 security solutions



AWS Partner enterprise security solutions

Your own data





Customer-owned, managed data lake



### How it works

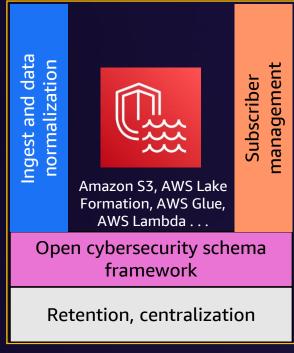
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AWS Partner enterprise security solutions

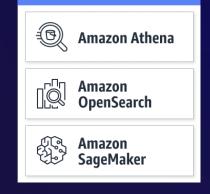
Your own data





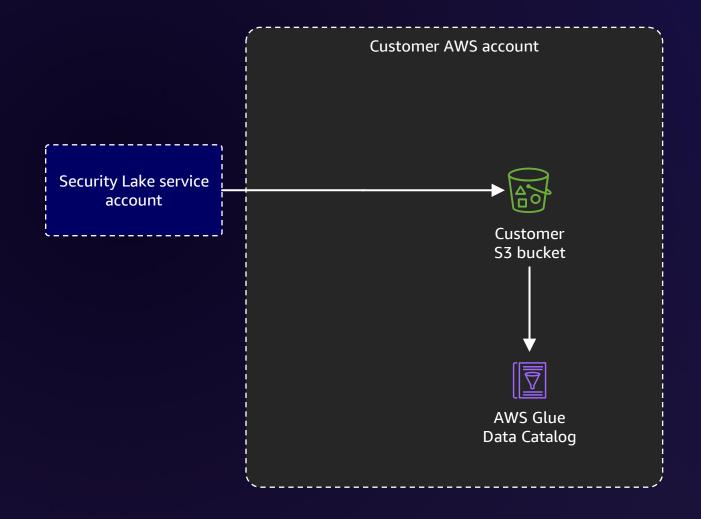
Customer-owned, managed data lake

#### AWS analytics

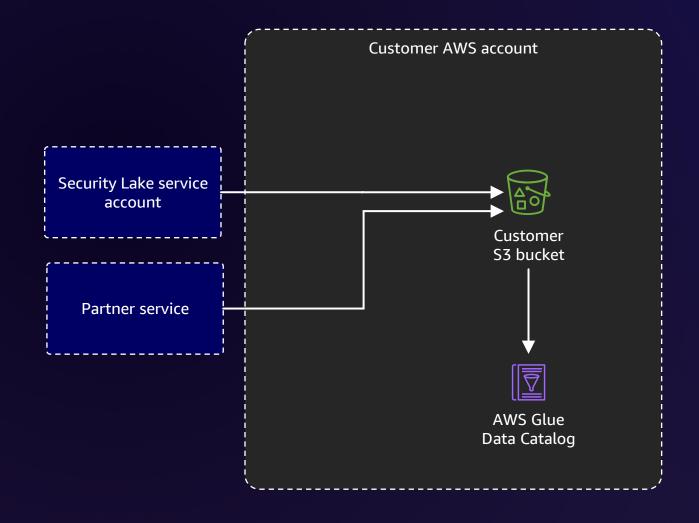


AWS Partner analytics and XDR platforms

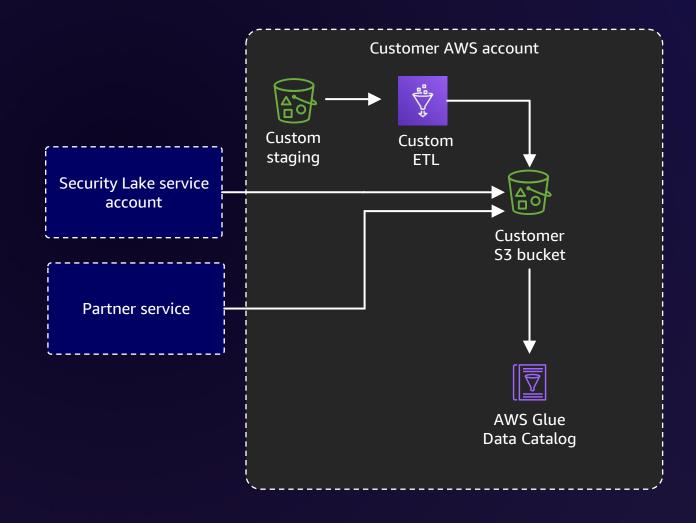














CENTRALIZED SECURITY DATA

# Now what?



CENTRALIZED SECURITY DATA

# Now what?

How do I get access to the data?



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What tools can/should I use?



CENTRALIZED SECURITY DATA

# Now what?

How do I get access to the data?

What tools can/should I use?

How do I visualize the information?



ACCESS TYPES

#### **Query access**

- Query data in place via Amazon Athena
- Cross-account support via AWS Lake Formation
- No need to move data around

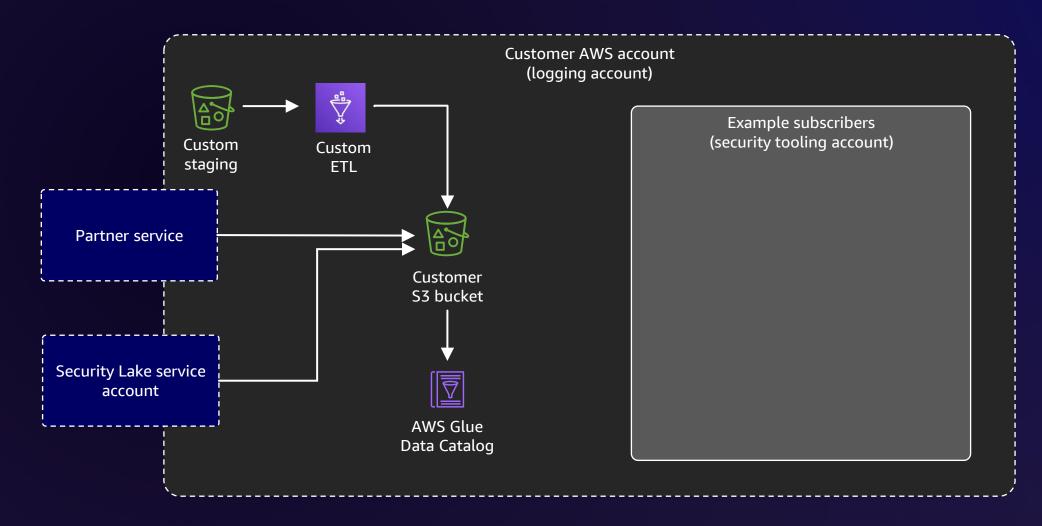
#### **Data access**

- Receive a stream of new object notification
- Direct access to Amazon S3 objects
- Security Lake manages the infrastructure and permissions



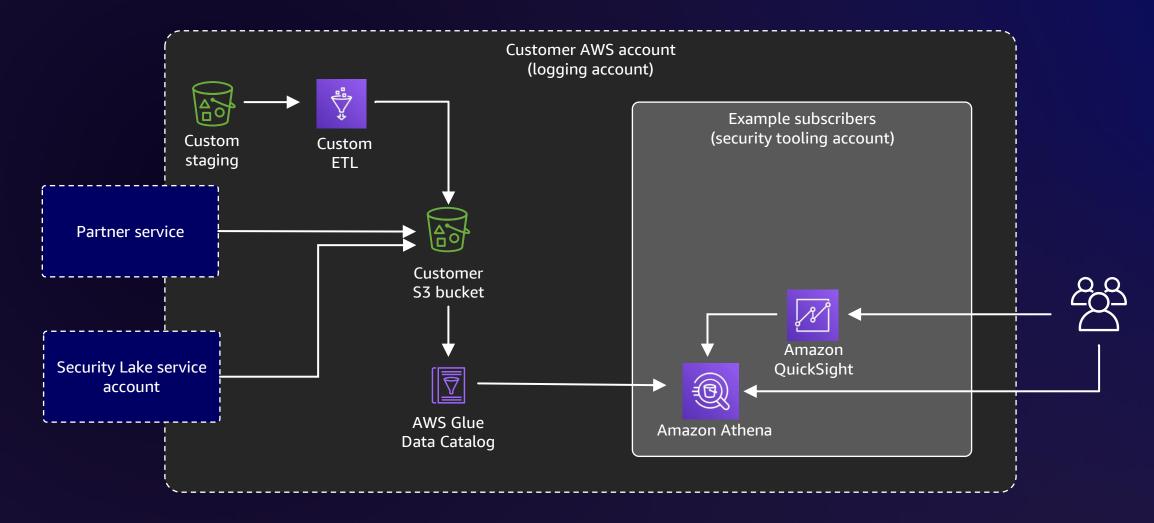


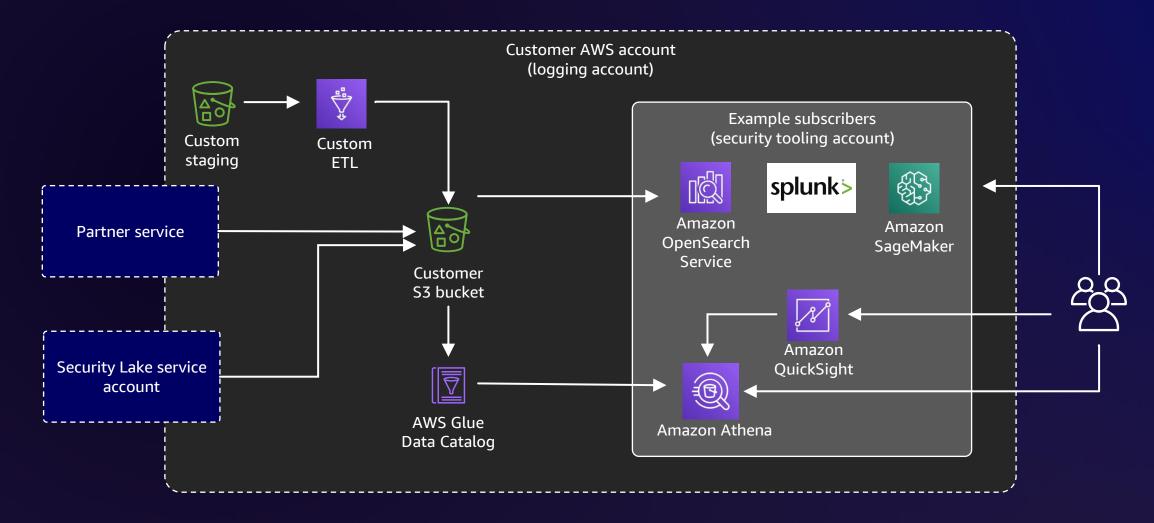




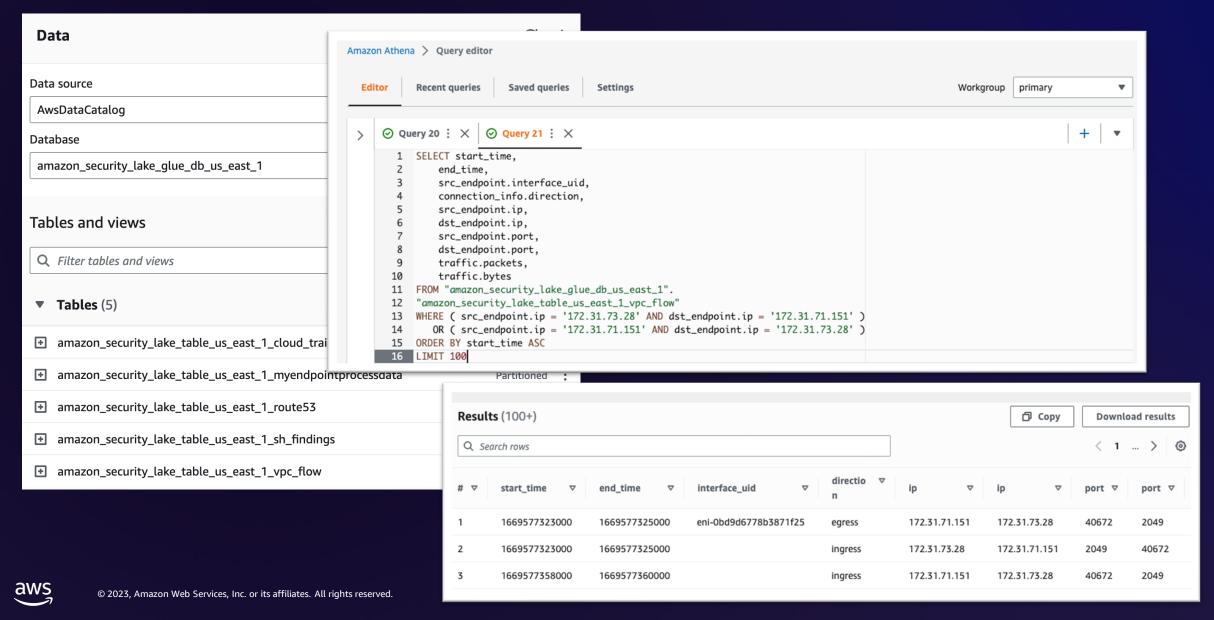




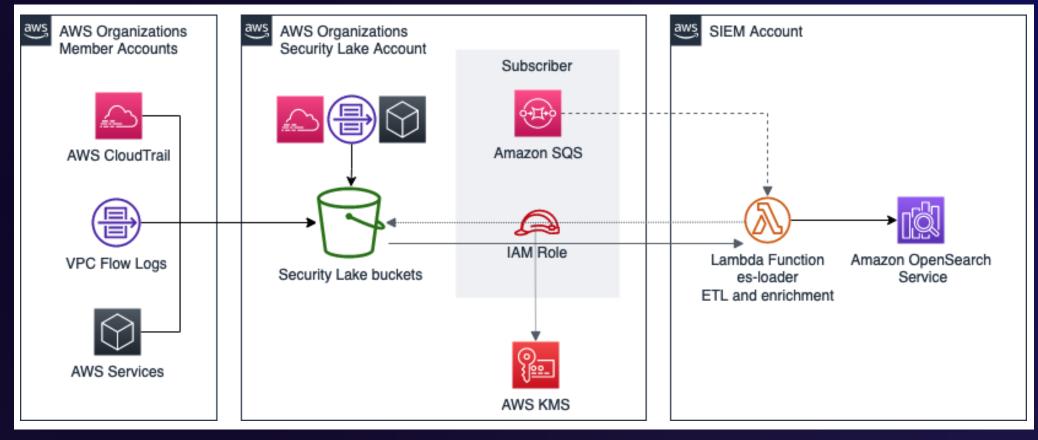




### Directly querying your data



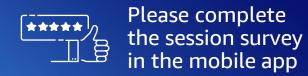
### **Architecture example – OpenSearch Service**



Amazon OpenSearch Service SIEM solution (https://github.com/aws-samples/siem-on-amazon-opensearch-service)



# Thank you!



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