

Athena and Macie

Athena

- Interactive query service that makes it easy to analyze data directly in Amazon Simple Storage Service (Amazon S3) using standard [SQL](#)
- Serverless, scales automatically
- Only pay for data scanned
- Use cases:
 - Query logs files in S3 (ELB access logs, VPC flow logs...)
 - Generate business report from logs on S3



Macie

- Data security and data privacy service
- Using ML and pattern matching to discover and protect sensitive data
- Automatically detects sensitive data types, including PII (Personally Identifiable Information)
- Works directly with data stored in S3



Exam Tips

- **Athena**

- Interacting query services
- Query data directly stored on S3
- Auto scales, serverless
- Can work with BI tools for business visualization

- **Macie**

- Using ML to detect and protect sensitive data, especiall PII (ID, passport, email, phone number)
- Helpful for PCI-DSS compliance