In This Video

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- Service Introduction
- Overview
- Demonstration
- Use Case

Start Querying Instantly

- Serverless
- Accesses Amazon S3 (Simple Storage Service)
- No ETL

Pay Per Query

- Only pay for data scanned
- Can further reduce costs
- Storage based on S3, not EBS

Flexible, Powerful, Scalable

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- Built on Presto
- Many formats
- Runs standard SQL
- Highly available and scalable

2:22 / 10:01

Performant

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- Interactive performance even for large datasets
- Runs in parallel

Basic Steps

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- Create an S3 bucket and object
- Create a metadata database
- Create a schema
- Fine-tune the Serializer/Deserializer (Serde)
- Run the Query
- Access the History

Basic Steps: S3

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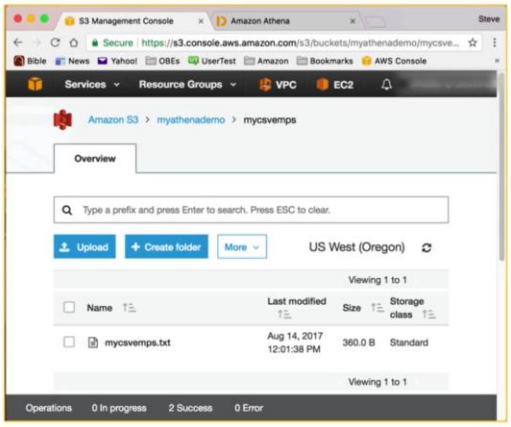
- Create an S3 bucket and object
- Create a metadata database
- Create a schema
- Fine-tune the Serde
- Run the Query
- Access the History



Basic Steps: Database

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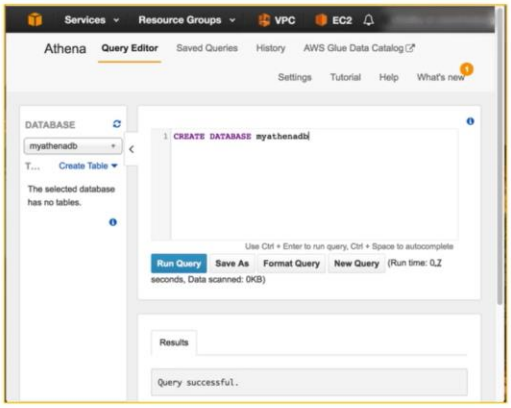
- Create an S3 bucket and object
- Create a metadata database
- Create a schema
- Fine-tune the Serde
- Run the Query
- Access the History



3:30 / 10:01

Basic Steps: Schema

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- Create an S3 bucket and object
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- Create a schema
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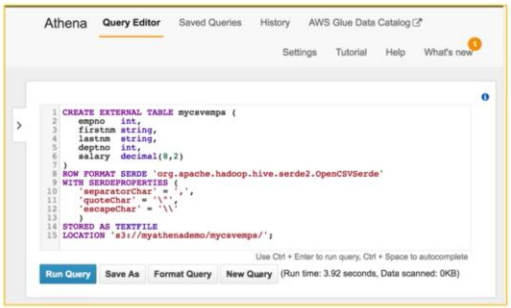
- Run the Query
- Access the History



Basic Steps: Serializer / Deserializer

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- Create an S3 bucket and object
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- Create a schema
- Fine-tune the Serde
- Run the Query
- Access the History

```
8  ROW FORMAT SERDE 'org.apache.hadoop.hive.serde2.OpenCSVSerde'
9  WITH SERDEPROPERTIES (
10    'separatorChar' = ',',
11    'quoteChar' = '\"',
12    'escapeChar' = '\\'
13    )
```

http://docs.aws.amazon.com/athena/latest/ug/csv.html

Basic Steps: Query

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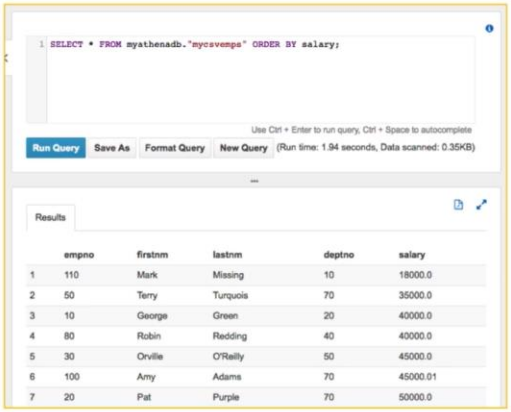

	empno	firstnm	lastnm	deptno	salary
1	110	Mark	Missing	10	18000.0
2	50	Terry	Turquois	70	35000.0
3	10	George	Green	20	40000.0
4	80	Robin	Redding	40	40000.0
5	30	Orville	O'Reilly	50	45000.0
6	100	Amy	Adams	70	45000.01
7	20	Pat	Purple	70	50000.0

Basic Steps: History

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- Create an S3 bucket and object
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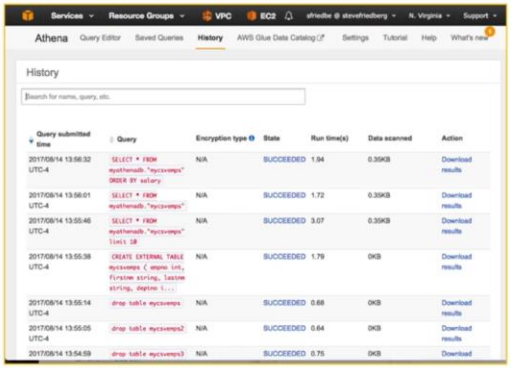

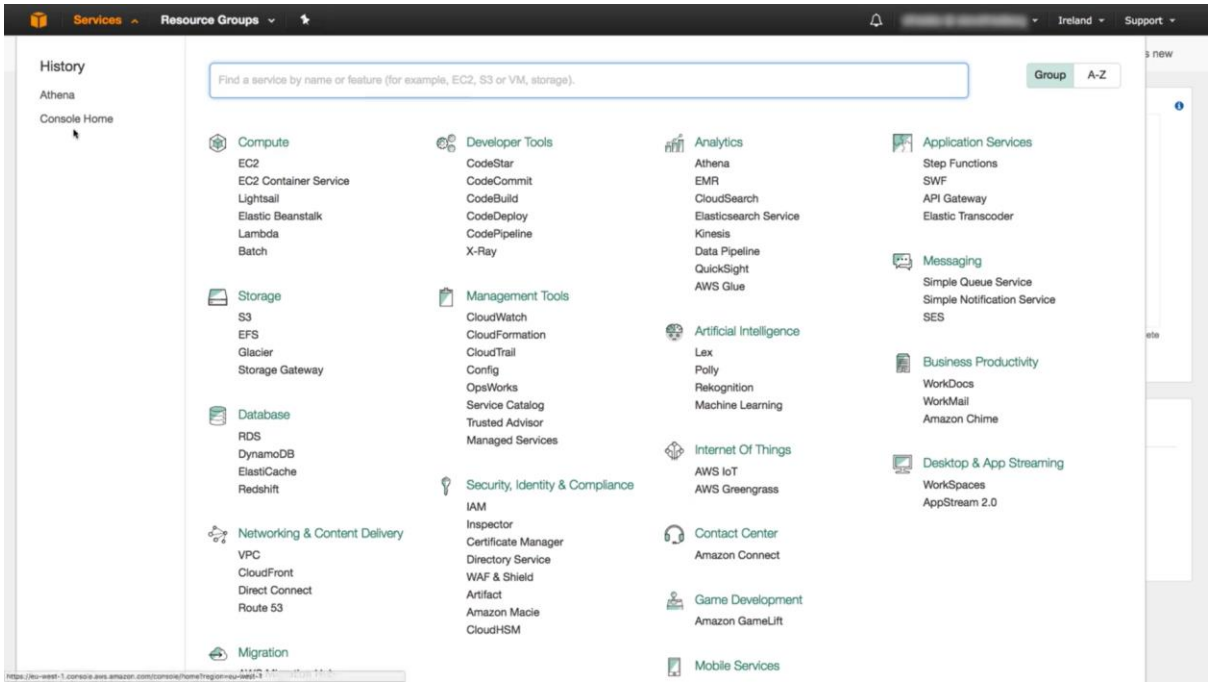

Use Cases

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- Auto-generated Log Files
- Exported Spreadsheets
- Non-AWS Database Export