

Athena

Athena helps you analyze unstructured, semi-structured, and structured data stored in Amazon S3. Examples include CSV, JSON, or columnar data formats such as Apache Parquet and Apache ORC. You can use Athena to run ad-hoc queries using ANSI SQL, without the need to aggregate or load the data into Athena.

Integrations

Quicksight - Athena integrates with Amazon QuickSight for easy data visualization. You can use Athena to generate reports or to explore data with business intelligence tools or SQL clients connected with a JDBC or an ODBC driver.

Glue - Athena integrates with the AWS Glue Data Catalog, which offers a persistent metadata store for your data in Amazon S3. This allows you to create tables and query data in Athena based on a central metadata store available throughout your AWS account and integrated with the ETL and data discovery features of AWS Glue.

Additional Integration Information -

<https://docs.aws.amazon.com/athena/latest/ug/athena-aws-service-integrations.html>

Connecting to Athena Using 3rd Party Tools

Connecting using JDBC Tools You can use a JDBC connection to connect Athena to business intelligence tools and other applications, such as SQL Workbench.

<https://docs.aws.amazon.com/athena/latest/ug/connect-with-jdbc.html>

Using ODBC Drivers - <https://docs.aws.amazon.com/athena/latest/ug/connect-with-odbc.html>

Function Support

Function	Description	Example	More Details
regexp_replace	Searches a string for a regular expression pattern and replaces every occurrence of the pattern with the specified string. REGEXP_REPLACE (source_string, pattern [, replace_string [, position]])	<code>“regexp_replace”(“c”.“address1”, '[0-9A-Za-z]',“”)</code>	https://docs.aws.amazon.com/redshift/latest/dg/REGEXP_REPLACE.html

Working with Dates

For dates you will have to truncate the field to get the portion of the date you want.

- `from_iso8601_date(substr(a.invoice_dt, 1,10)) as inv_dt`

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