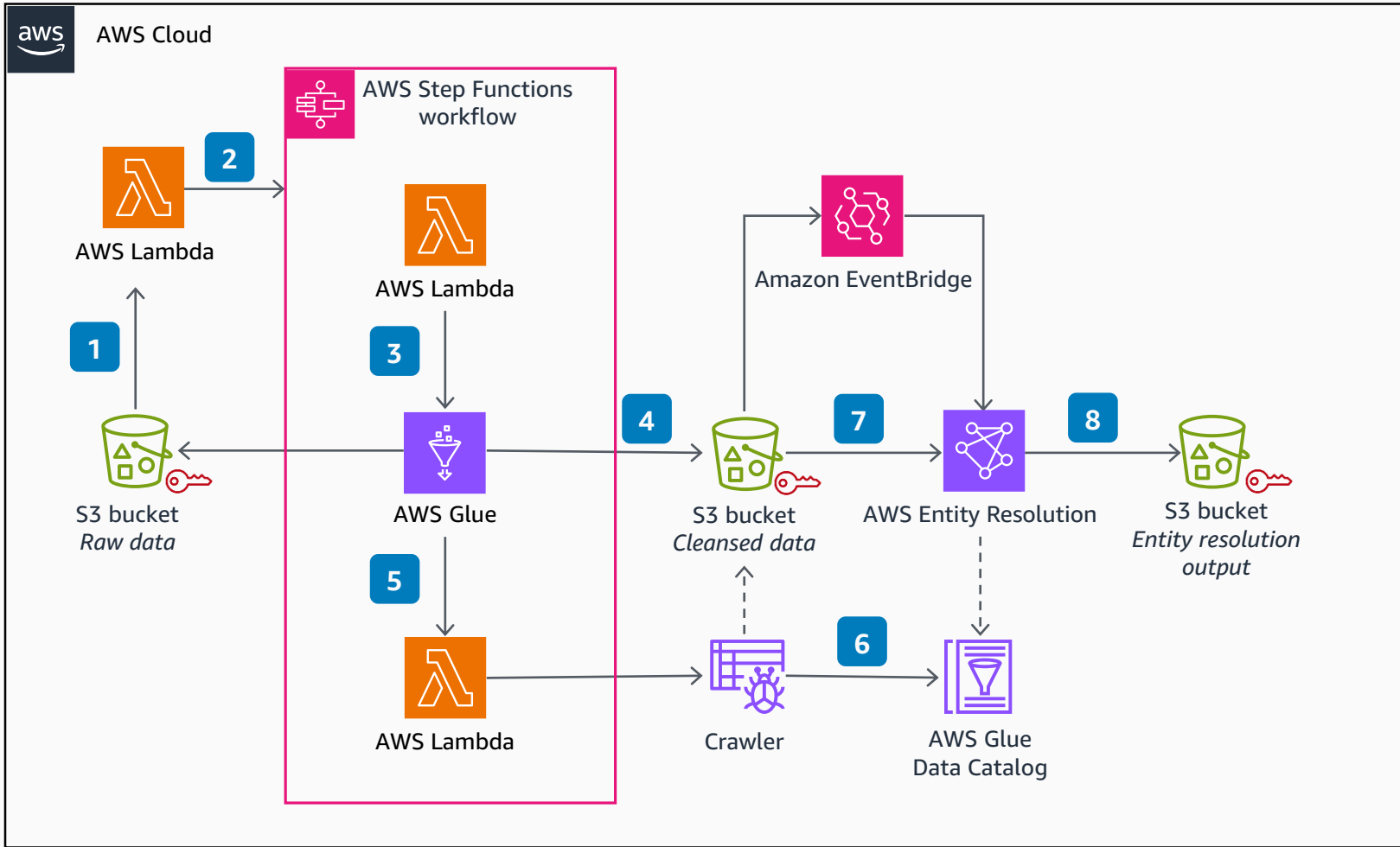


Guidance for Customizing Normalization Library for AWS Entity Resolution

This architecture shows how stored data moves through an AWS Step Functions workflow to be prepared for entity resolution.



- 1** The Amazon Simple Storage Service (Amazon S3) bucket hosts the input data source. Server-side encryption with Amazon S3 managed keys (SSE-S3) encrypt data in the bucket. As new data arrives in the bucket, it initiates a notification.
- 2** Amazon S3 sends the notification to the AWS Lambda function, which then initiates an AWS Step Functions workflow.
- 3** Lambda within the Step Function initiates an AWS Glue job to pass information related to the new data files.
- 4** The AWS Glue job executes the normalization rules on the newly arrived data and writes the output to an S3 bucket, encrypted using SSE-S3.
- 5** Once the AWS Glue job succeeds, Lambda invokes a crawler to crawl the recently written files to the cleansed S3 bucket.
- 6** The AWS Glue Crawler crawls the newly written files in the S3 bucket and updates the AWS Glue Data Catalog table with updated information related to schema and partition, if applicable.
- 7** As new data gets written into the S3 bucket with cleansed data, Amazon EventBridge notifies AWS Entity Resolution that there is new data available for entity resolution.
- 8** AWS Entity Resolution performs the entity resolution on the data and writes the corresponding output to an S3 bucket, encrypted using SSE-S3.