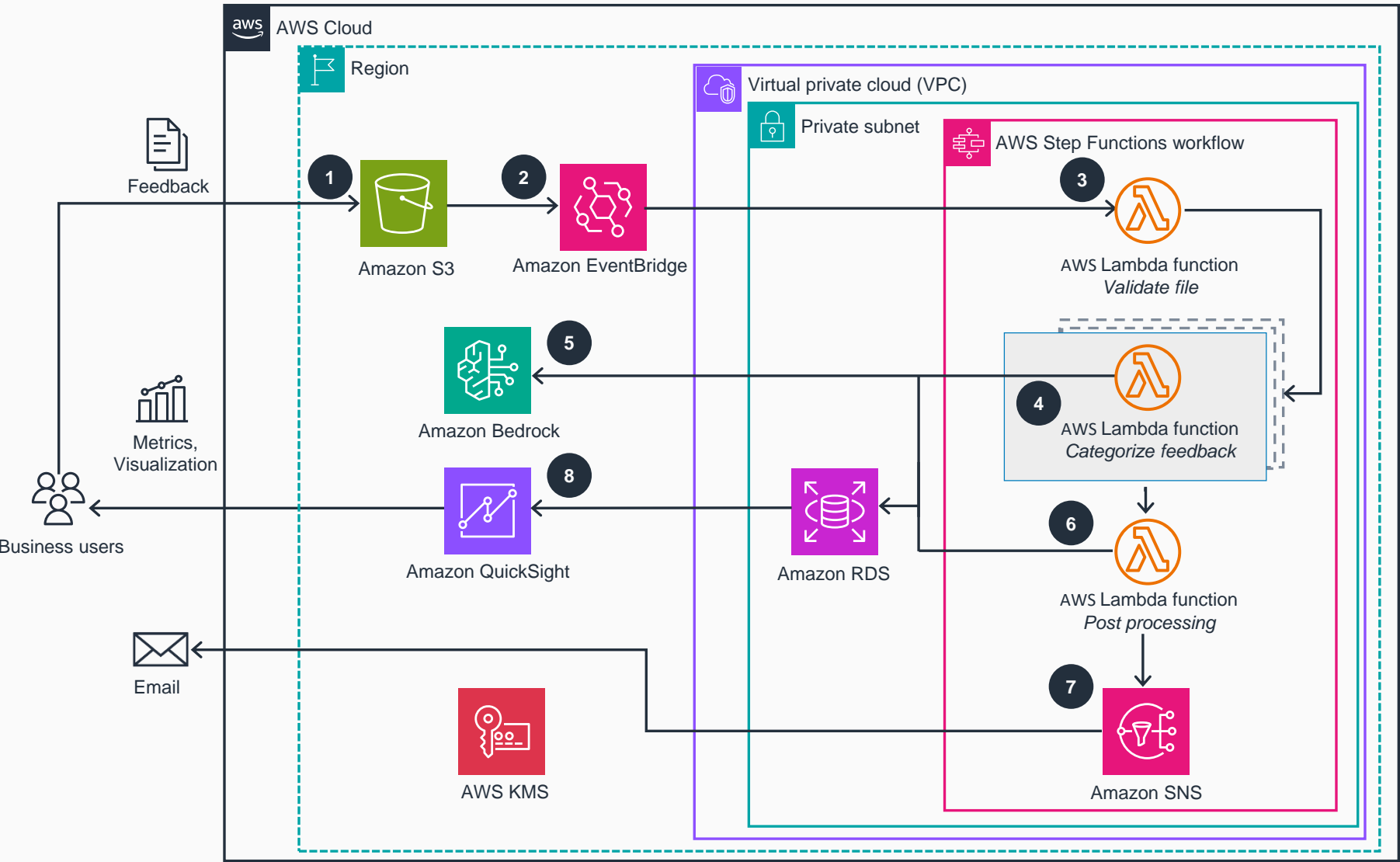


Guidance for Automated Customer Feedback Analysis with Amazon Bedrock

This architecture diagram illustrates how to extract insights from customer feedback using LLMs on AWS.



- 1 Upload user feedback (for example, a CSV or JSON file) to **Amazon Simple Storage Service (Amazon S3)** bucket.
- 2 The **Amazon S3** data event of the uploaded files triggers the **AWS Step Functions** through **Amazon EventBridge**.
- 3 An **AWS Lambda** function validates the uploaded file at the beginning of **Step Functions** workflow.
- 4 **Step Functions** uses a map state to invoke **Lambda** functions for parallel LLM processing with **Amazon Bedrock**, saving results to encrypted **Amazon Relational Database Service (Amazon RDS)** databases using **AWS Key Management Service (Amazon KMS)**.
- 5 **Amazon Bedrock** takes the user-defined instruction prompt as a task, a feedback record as input, and generates expected insight analysis.
- 6 A **Lambda** function performs post-processing on the insight results, for example, summarizing the statistics of input feedback and optionally suggesting new categories.
- 7 **Step Functions** publishes the results to an **Amazon Simple Notification Service (Amazon SNS)** topic, which sends an email with the results to business users.
- 8 Configure **Amazon QuickSight** to visualize the results in the **Amazon RDS** database.

