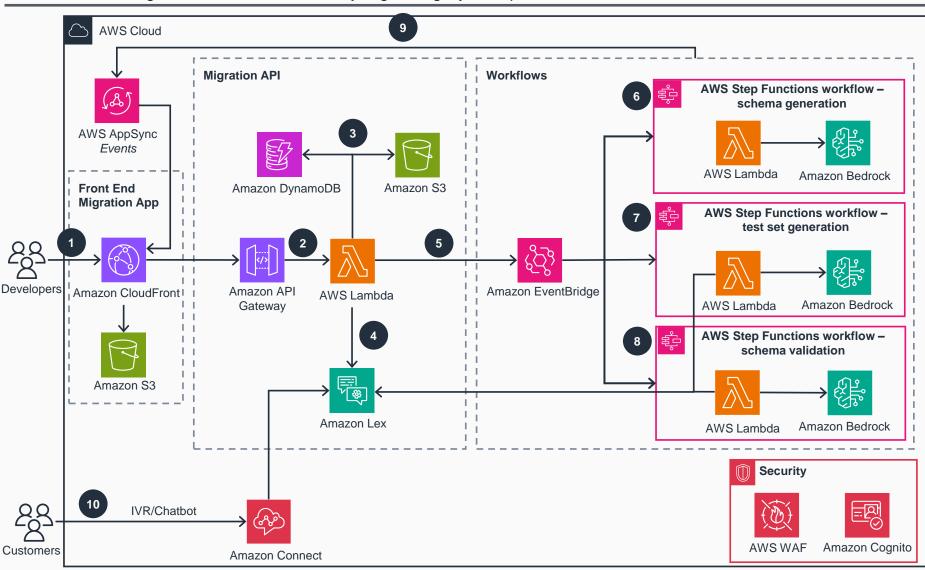
Guidance for IVR Migration to Amazon Connect Using Generative Alon AWS

This architecture diagram shows how to effectively migrate legacy IVR specifications to Amazon Lex and Amazon Connect.



AWS Reference Architecture

- Access the migration tool's React web application through Amazon CloudFront, secured by Amazon Cognito and AWS WAF.
- Initiate bot creation by uploading source specification files through the web application, which triggers Amazon API Gateway and AWS Lambda.
- Store migration metadata and configuration settings in **Amazon DynamoDB**. Store migration files and generated bot definitions in **Amazon S3**.
- The migration API creates the bot and bot locale in Amazon Lex.
- AWS Lambda sends a message to Amazon EventBridge, triggering AWS Step Functions workflows.
- The schema generation workflow generates the Amazon Lex resource definition from the source specification file using Amazon Bedrock.
- The test set generation workflow generates the test set from the source specification file using **Amazon Bedrock** and uploads it to **Amazon Lex**.
- The schema validation workflow uses generated schema definitions to validate **Amazon Lex** resource creation. It implements a continuous improvement cycle by incorporating validation error messages and tests execution results to iteratively refine the schema specifications.
- Live status updates are streamed using AWS
 AppSync Events real-time WebSocket connections,
 providing immediate visibility into each stage of the
 workflow's progression.
- Access the migrated chatbot and IVR functionality through **Amazon Connect**.