

Courier High-level Design Document

Introduction

Courier provides a unified and simplified interface for utilizing cloud messaging services. It abstracts away the complexities of interacting with these cloud messaging services, allowing you to write code agnostic to the underlining cloud provider.

Systems Overview

- Integration with Google Pub/Sub
- Extensibility to support additional cloud messengers in the future

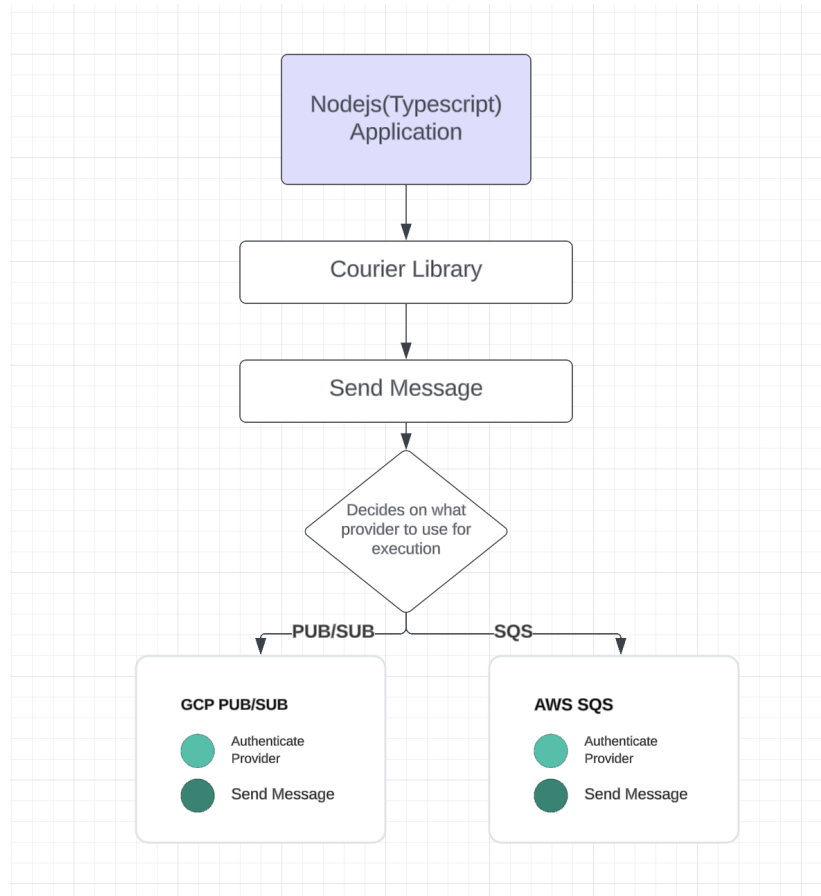
Architecture Overview

a. Provider Interface

- Defines the common interface that each notification provider must implement.
- Provides a consistent API for all supported providers.
- Accessible methods for sending Message, receiving Message, updating Provider, getting the active provider

b. Provider Implementations

- Contains separate modules for each supported cloud messaging provider.
- Implements the Provider Interface and encapsulates the logic specific to each provider.
- Handles provider-specific authentication, API calls, and message formatting.



Testing

All key components of the library is unit tested using jest, with integrations test also done with jest, ensuring at least 95% test coverage