Purpose

Create, publish, maintain, monitor, secure REST, HTTP and WebSocket APIs

RESTful APIs: HTTP based, stateless client-server comm.

Implement GET, POST, PUT, PATCH, DELETE

Features

Supports authentication, concurrency, security

Environments, deployments, stages, caching API results

Mock integration to mock API responses for tests

Extras

Stage variables	Environment variables (for function calls, endpoints...)
Mapping templates	modify request/responses
Lambda Authorizer	Use AWS Lambda to validate the token in the header being passed
Supports Swagger/OpenAPI	Import configurations from there
Pay-per-use	Pay when API is being used

Limits

Lambda execution must be under 29 seconds otherwise failure