

Integration & API Whitepaper

Architecture Overview

AccuRate's microservices-based architecture separates the pricing engine, data ingestion and rule management layers. This modular design allows quick updates without downtime and scales automatically as your quote volumes grow.

API Endpoints

- GET /v1/rates - retrieve rates for a given origin, destination and weight
- POST /v1/quotes - create a new quote

All responses include base rates, surcharges and taxes in the requested currency.

Authentication & Security

AccuRate uses API keys with HMAC signatures for secure communication. All endpoints are served over TLS and support OAuth for delegated access. Rate limits protect against abuse.

Integration Guidelines

- Use webhooks to update your TMS or ERP with finalised quotes.
- Cache static charges locally to reduce latency.
- Validate all inputs before sending requests to the API to avoid errors.