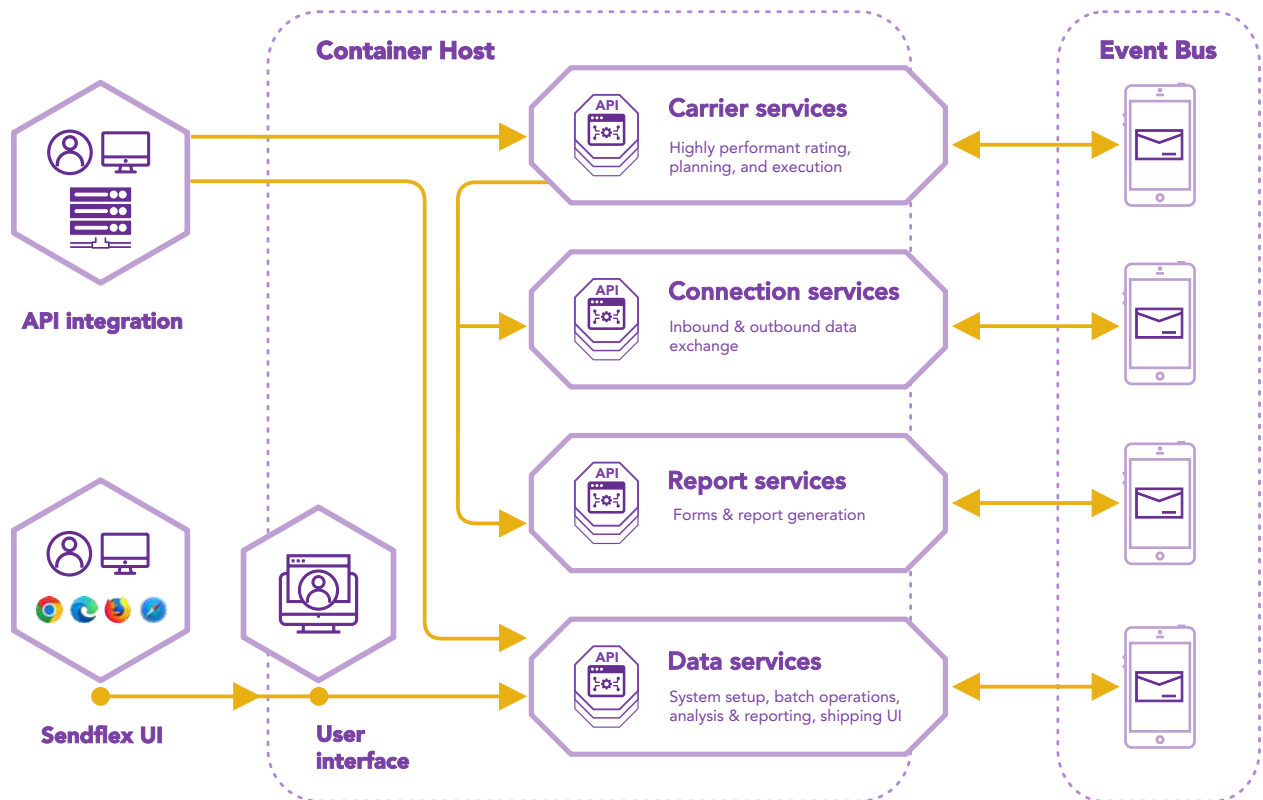sendflex
TECHNOLOGY

SENDFLEX PARCEL TMS PLATFORM

Sendflex Parcel TMS is built on a cloud-native, micro-service architecture that is highly available, secure, and automatically scales to handle peak volumes. We add intelligence to parcel planning and execution.

Container Host

Event Bus

Carrier services
Highly performant rating, planning, and execution

Connection services
Inbound & outbound data exchange

Report services
Forms & report generation

Data services
System setup, batch operations, analysis & reporting, shipping UI

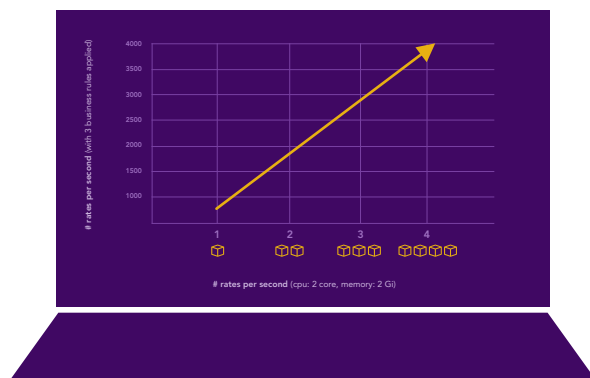**API integration**

Sendflex UI

User interface

Sendflex Cloud Architecture Enables High Performance and Flexibility

Sendflex represents a next generation parcel management technology that helps you adapt to the complex and dynamic challenges of B2C supply chains.

Compared to the monolithic architectures of legacy parcel shipping systems, Sendflex is composed of modular microservice components, designed to optimize routing, rating, and shipping performance.

Reduce Reliance on Slow and Unreliable Carrier Rating APIs

Core to Sendflex's high performance planning optimization and simulation processes is our onboard rating service. Sendflex's routing and rating service processes 20,000+ rates and optimization instructions per second. By contrast, carrier rating APIs are unreliable and slow, measured in seconds... or as slow as the slowest carrier API.

Versatile API

Anything that Sendflex apps can do, you can do in your systems by making requests to our REST API. We make it easy to process freight quotes, perform cartonization in fulfillment, and automate shipping, tracking and returns.

KEY FEATURES

Microservices Architecture
Our modular, multi-tenant architecture ensures greater flexibility and calability both now and in the future at a lower cost of ownership.

No-Code Configuration, Connectivity
Sendflex is designed to enable non-programmers to configure rules and on-board carrier APIs, reducing service costs and long project timelines.

Cloud-Native, Cloud-Agnostic
Most legacy parcel shipping systems are "hosted" in the cloud whereas Sendflex takes advantage of high-speed, cloud-native capabilities, but is designed to avoid reliance on cloud-specific platform technology.

Secure, SOC 2 Certified
Our SOC 2 certified platform meets the highest security standard to ensure only authorized users can access our parcel TMS services. Data is encrypted at rest and kept in separate data stores within our multi-tenant environment.

Container Deployment
Sendflex microservices can also be deployed on customer premises or deployed in containers on customer premises or cloud environments to maximize performance and control.

Auto-Scaling and Orchestration
Using Kubernetes, our no SQL micro service components automatically scale to support high volume loads without additional costs or configuration.

Planning, Simulations, Execution
Sendflex parcel TMS helps you control all aspects of optimization including cost, capacity, cartonization and customer delivery experience.