



# Billing Engine

## Overview

*Interstellio IO's Billing Engine is designed to overcome common limitations found in traditional online billing systems, such as API rate limits, transaction caps, and processing delays. Our solution eliminates these obstacles by offering unrestricted API access and high-speed processing, enabling businesses to generate invoices, credit notes, and receipts at scale without interruptions.*

## Production Description

The Interstellio IO Billing Engine is a next-generation financial transaction and invoicing system designed to eliminate the scalability and integration limitations of traditional billing platforms. Operating on NebularStack, our fully distributed cloud-native platform, it guarantees high availability, redundancy, and seamless performance even under the most demanding workloads.

Unlike conventional billing systems, which struggle with API rate limits, transaction bottlenecks, and processing delays, our Billing Engine is designed for unlimited throughput. It allows businesses to generate invoices, credit notes, and receipts at scale without interruptions. The system automatically scales horizontally and vertically, ensuring consistent performance across high-volume transactions.

With a double-entry accounting system, the Billing Engine provides accurate financial tracking and transparency, supporting invoices, receipts, credit notes, and more. The 24/7 support ensures reliability, making it the ideal solution for businesses that demand scalable, efficient, and automated financial operations.

Industries such as telecommunications, cloud service providers, utilities, subscription-based businesses, and financial services can utilise the Billing Engine to enhance their platforms by enabling real-time balance updates, instant transaction processing, and automated statement generation. This empowers businesses to provide customers with up-to-the-minute account details through their own portals and applications, eliminating the frustration caused by API timeouts, rate limits, and processing delays found in other billing platforms. By ensuring low-latency, high-volume transaction processing, businesses can enhance customer experience, operational efficiency, and financial accuracy while scaling effortlessly.

Interstellio IO's Billing Engine is the ideal choice for businesses seeking to scale beyond the limitations of traditional invoicing systems. Its API-driven architecture, high-speed processing, and enterprise-grade reliability enable companies to automate, streamline, and future-proof their financial operations—allowing them to concentrate on growth, not infrastructure.

## Double Entry Accounting

Double-entry accounting design ensures exceptional financial accuracy, transparency, and reliability. Automatically tracking both sides of every transaction—debits and credits—produces a balanced ledger, streamlining financial management and boosting trust.

## Converged Billing

Our platform is designed with flexibility, scalability, and financial accuracy in mind, offering advanced multi-entity billing capabilities while maintaining strict transactional separation and balance management. Businesses operating under multiple legal entities or organisations can manage independent billing operations whilst still sharing customer account information. This facilitates seamless customer experiences across subsidiaries, brands, or divisions while keeping financial records, transactions, and balances completely isolated.

With a double-entry accounting foundation, the platform facilitates true converged billing, ensuring that your business, customers, and partners can engage within a single, unified financial framework. This structure removes reconciliation complexities, allowing for real-time transaction visibility while preserving auditable financial records. Businesses involved in multi-service operations, resell partnerships, or wholesale agreements benefit from this built-in financial transparency, making invoicing, settlements, and revenue sharing more efficient and automated.

Although customer accounts can be shared across entities, each transaction and balance remains entirely segregated, ensuring that financial operations are accurate, compliant, and easily manageable. Whether serving end-users, wholesale partners, or resellers, the platform simplifies multi-entity financial management while providing a scalable and automated solution for complex billing needs.

## Scaling Financial Operations

Our platform is designed to offload and manage these transactions in real time, thereby reducing the direct burden on your primary accounting software, while ensuring that customer interactions remain instantaneous and seamless. By serving as a high-speed financial transaction layer, our system enables businesses to process millions of invoices, receipts, credit notes, and reversals efficiently without overwhelming their core financial infrastructure.

## Documents

Our system supports various financial documents, including invoices, receipts, credit notes, reversal receipts, debit notes, and more. This comprehensive functionality ensures seamless and efficient digital transaction management for your business.

## Integration

The RESTful JSON API of our Billing Engine simplifies invoice generation and financial management for a wide array of applications. Whether it powers e-commerce platforms, subscription-based services, or internal enterprise billing systems, our API enables seamless, high-speed invoice creation and transaction processing at scale. Businesses can effortlessly integrate with CRM platforms, accounting software, ERP systems, and payment gateways, ensuring automated financial workflows and real-time synchronisation. With unrestricted API access, companies can eliminate the bottlenecks of traditional billing systems, allowing them to generate, manage, and process financial transactions with optimal efficiency and flexibility.

## Statements and Reports

Customer statements and financial reports are easily accessible, offering businesses prompt and transparent insights into their billing and transaction history. These reports provide detailed breakdowns of invoices, payments, credit notes, and account adjustments, ensuring that both businesses and their customers have a clear and auditable view of financial interactions. With real-time data availability, organisations can effortlessly generate statements on demand, track billing trends, and monitor customer account balances without delays or manual intervention.

Designed for efficiency and accuracy, the reporting system enables businesses to analyse revenue, identify outstanding balances, and streamline reconciliation processes. Whether accessed via automated APIs, customer portals, or administrative dashboards, these reports facilitate seamless financial tracking, faster dispute resolution, and enhanced transparency for customers. With granular filtering options and support for multi-entity financial views, businesses can easily generate customised reports to meet specific operational or compliance needs.

## 24-hour Support

Interstellio IO provides a 1-hour response time for any critical issues 24/7 every day of the year, with 99.99% uptime. Furthermore, Interstellio IO assists NebularStack customers with non-critical issues, including support for new integrations.

## About Interstellio IO

Founded in 2020, Interstellio IO began its journey by developing NebularStack and building systems to support a growing customer base with increasingly complex service needs.

We specialise in creating scalable, reliable, and secure tools designed specifically for businesses. Our founding principle of disaggregation empowers customers to select and utilise the components they need in the way that best suits their operations. This flexible approach enables the development of tailored, unrestricted solutions.

With networking, hardware, and software expertise, we are uniquely positioned to deliver innovative solutions that address the specific challenges and requirements of communication service providers (CSPs).

At Interstellio IO, our philosophy is captured by the motto “Ad Astra Per Aspera,” Latin for “through adversity to the stars”. This motto embodies our commitment to resilience, creativity, and collaboration, turning challenges into opportunities to create meaningful and inspiring solutions.

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