

Alepo Interconnect Billing Platform

Introduction

Interconnect services open new revenue streams for communications service providers (CSPs), enabling them to charge other operators for use of their network infrastructure, specifically voice, data, SMS, and more. Today, as the reliance on data increases and interconnect voice rates decline, the challenge CSPs face is efficiently monetizing their networks and adapting to change with new partnership models. It is, therefore, more important than ever to have a robust and flexible system that ensures efficient partner management and plugs revenue leaks.

A capable interconnect billing platform must have the ability to onboard multiple partners with the flexibility to accommodate multiple types of agreements, determine partner hierarchy based on quality versus cost, offer efficient reconciliation and settlement modules, have a strong rating engine to process high volumes of data, and must be quick to handle frequent rate changes as they are made.

Alepo's Interconnect Billing platform factors in dynamic partner relationships, complex reconciliation and settlement scenarios, frequent changes in interconnect rates, and high volumes of CDRs, while optimizing interconnect costs.

Benefits to CSPs

- Easy management of complex interconnect partner agreements and interactions
- Quick rating and billing modules to enable revenue assurance
- Improved cash flow by invoicing partners on time
- Comprehensive business intelligence capabilities
- Preventing revenue leakage with a strong reconciliation and settlement process
- Modern policy-based framework increases ease of use
- Automated reconciliation to resolve disputes quickly
- Low total cost of ownership

Features of Alepo Interconnect Billing Platform



Manage interconnect agreements

Agreements can range from service-level commitments, minute swap, SLA commitments based on jitter, availability, QoS, one-time charges irrespective of usage, bulk charges, and more.

The system can define commitments based on revenue, service usage, tiered discounts, and more. It can also define the penalty to be charged in case of breach of contract/commitment.



Diverse partnership models

Facilitates n-level partner hierarchy creation and management, and supports multiple business models within a single platform:

- Bilateral direct routes
- Cascade partners, to whom small operators can outsource all international partnerships
- Hubbing
- Roaming settlements
- Revenue sharing



Reconciliation and settlement

A high level of accuracy in tracking outbound traffic and generating bills enables operators to verify faulty invoices issued by partners, ensuring swift and flawless resolution and bill settlements.



Interconnect billing and invoicing

This module generates invoices for inbound traffic. Support for re-rating, multi-currency, prompt invoice and billing make Alepo's interconnect billing platform the most efficient in the market.



Optimum routing algorithms

The system helps identify the least cost routing with an intuitive user interface to compare rates offered by various partners. Routes can be prioritized based on call quality, profit margins, average call duration, answer seizure ratio, or customized routing.



Business intelligence

A comprehensive technical and managerial reporting module gives a 360-degree view of the entire interconnect business ecosystem, enabling optimization of network resources, and viewing partner performance to plan future strategies.



Robust rating engine

An easy-to-use rating system that processes high volumes of data and is quick to handle frequent rate changes and new additions in real-time. The automated rates and charging mechanisms in the system, as well as the ability to customize business configurations, allow communications service providers to help partners maximize their 5G partnership revenue.

Key features of the rating engine:

- Supports rating based on number prefix, trunk ID, pulse, destinations, as well as a combination of these rating parameters
- Allows setting of special rates such as weekend, peak and off-peak, or holiday
- Enables bulk upload of new rates in real-time
- Supports pro-rating and charging
- Offers multi-currency support

