

The ultimate voice business management system

# Alarislabs inVoice

A single solution  
to run and automate  
your wholesale voice business  
to spend more time on other pleasures of life



## Single point of control of all switches on your network

**The Alarislabs inVoice system takes care of all aspects of management of voice wholesale operations and provides for:**

- a single point of routing decisions
- CDR collection
- user and events authorization
- client billing and invoicing
- status and statistics monitoring

It also equips all your employees with a work space holding all the needed instruments to automate everyday routine:

- Sales manager tools
- NOC personnel tools
- Financial officer tools

## Up to 35% more profit — on the same traffic amount

**You will be able to generate from 20 to 35% (based on previous deployments experience) more margin on the same amount and pattern of traffic passed through your network. This is achieved with the help of a fully automated routing system that takes care of:**

- Margin- and quality-aware routing based on user-defined algorithms
- Automated positive margin control
- Automated testing of new routes
- Automated testing of faulty destinations

## Up to 40% more traffic — with the same system and human resources

- Real-time routing decisions based on the most recent route quality characteristics ensure an increased share of completed calls.
- «Low traffic» notifications towards the system owner and its partners are generated automatically and help to remind sales managers of the idling route resources and to realize that the client has found a

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more attractive vendor for this route.

- Routing intelligence ensures the most efficient utilization of your network channels and switching facilities. This helps to save on switching equipment channel licenses.
- Many tasks normally assigned to sales or NOC personnel are taken by the system automation (all kinds of partner notifications, testing of new routes, etc.)

### No chance for human mistake

**Automated positive margin control ensures the business profitability even in case of human error (erroneous rate import, wrong manual routing rule entry) and either generates an alert or blocks the unprofitable calls.**

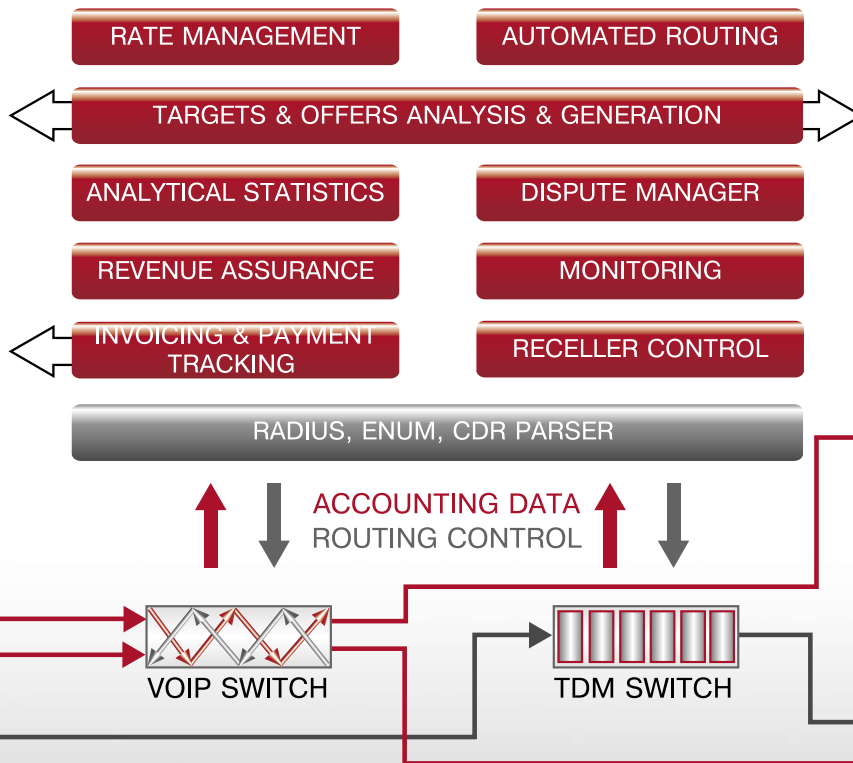
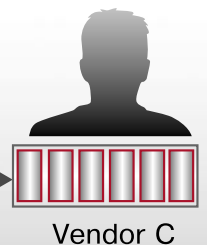
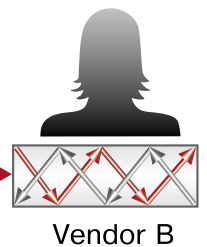
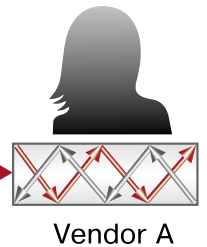
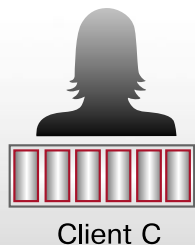
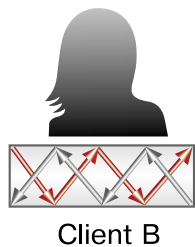
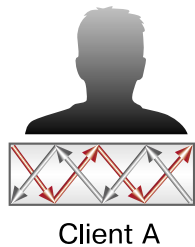
### Hacker-proof anti-fraud system — to take care of your and your partners' security

**The inbuilt alerting system detects abnormal behavior of traffic (e.g. an unexpectedly high number of calls to an expensive destination, such as Cuba, from a particular partner; sudden changes in the general traffic pattern; instances of potential FAS; call loops etc.)**

### Your business is at your fingertips. Visualized

**The advanced reporting system provides info on any significant aspect of your business data.**

- This includes: traffic reports, margin reports and general company-wide profit&losses reports.
- This is visualized in graphs, which help to better understand the data normally represented in plain tables.
- This is instant. All statistics are preliminary calculated and any report is generated within seconds.



## Billing functions

- Collects CDRs from TDM and VoIP switches on your network
- Real-time accounting via RADIUS (if supported by the switch)
- Flexible hierarchy of rate plans. The system supports multiple rate plans assigned to the same account.
- Easy import of Excel ratesheets. Automatic import and error detection irrespective of the source rate plan format.
- The dialcode manager gives the power to manipulate dialcode groups including automatic import of new codes from third-party rate plans.
- Multi-level structure of carrier records. Support for hosted customers, branch offices, resellers.
- Both pre-paid and post-paid credit control with a quick re-rating capability.
- Real-time balance updates.
- Customized billing increments.

## Routing functions

- Controls routing decisions on TDM and VoIP switches on your network from a single interface.
- Margin-based routing as the default routing scheme.
- Routing decisions are made on the basis of Cost, Profit, Quality parameters of the traffic or a custom combination of them.
- The Revenue Assurance capability provides for constant control of the system owner's revenue and profit with the help of profit-aware routing algorithms and a set of client-ward «low traffic» notifications.
- Automated verification of new and failed destinations and gateways with small portions of live traffic to check the current status (accessibility, ASR, ACD).
- Auto-mapping of customer and vendor dialcode breakouts in order to maximize your profits.
- Automated «cherry-picking».
- Support for manually defined static routing.
- RADIUS, ENUM, SIP Redirect, upload of static routing plans can be used to control routing on underlying TDM and VoIP switches.

## Tools for commercial department

### Instant analysis

- All aspects of statistical data of your traffic are brought together in a single interface. All key data types are available as table reports or graphs.
- Your current view of the statistics can be shared with your colleagues as a link that holds all the parameters you have selected.
- Instant display of any data layout for any period (even months) without any delay due to the fact that all major parameters are preliminary calculated in the background.
- Statistical data on any combination of parameters.
- Easy export of any statistical view to files or images (screenshots) to share with your partners. Export of CDRs related to the current view.

### Third party offer / target analysis

- Easy import of third-party ratesheets.
- Automatic mapping of third-party breakouts with own ones.
- Evaluation algorithms take into account the recent traffic statistics for the destinations in question.
- Breakouts with a potential margin are automatically highlighted; the respective margin forecast is provided where possible.

### Generation of own targets and offers

- Targets and customer rate plans are generated on the basis of the current traffic statistics and active vendor rates in the system.
- Different approaches to the rate calculation can be engaged: the exact formula of calculating client prices can be customized (based on the best supplier rate, average supplier rate, etc.).

### Tools for NOC department

- Tech data oriented statistics reports.
- A real-time traffic monitoring and alerting dashboard.
- Routing rules allow for testing of new and failed destinations and gateways using small portions of live traffic to check the current status (accessibility, ASR, ACD figures) of either recently added destinations and gateways or the ones that fell out of routing due to poor performance.
- Customer self-care pages with the ability to view statistics and download CDRs.

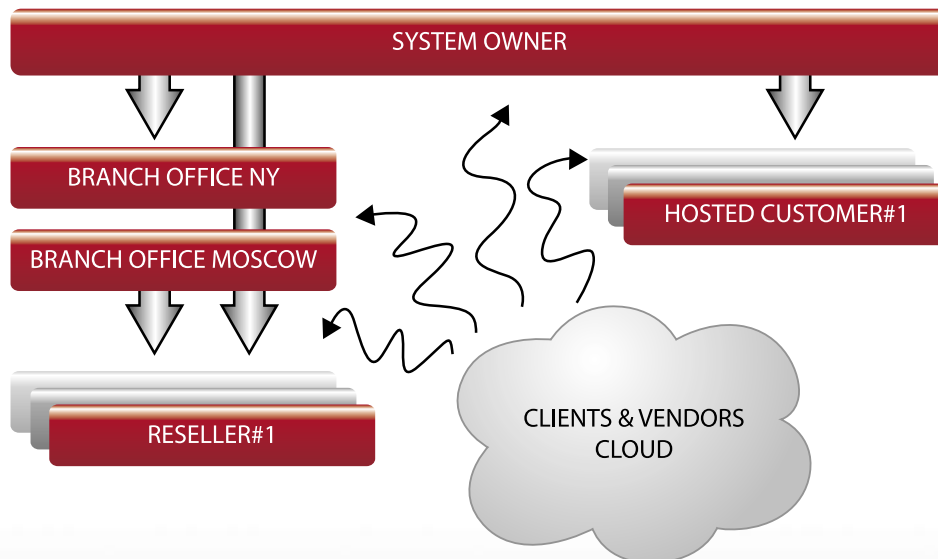
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## Tools for the financial officer

- Automatic invoice generation and distribution.
- Validation of supplier invoices against the traffic statistics from your end.
- Payment tracking and notification.
- The company's general expenses control allows for collection and monitoring of all company's expenditures including salary, office rent, equipment and other charges.
- Dispute management.

## Resellers control

The Alarislabs inVoice system object hierarchy supports the following independent entities:



## Throughput capacity:

From 20 to 200 millions of minutes per month in the most typical configurations, more can be achieved by deploying appropriate hardware.

Up to 300 CPS (Calls per second) for the routing engine.

## About Alarislabs

Alarislabs is a vendor of business support system for wholesale and retail telecommunications carriers. The company is based on 10 years of technological and marketing experience brought by the best industry specialists and aims at delivering the best up-to-date technologies supplemented with the user-friendly access to them to the benefit of the customers. The areas the Alarislabs team is strong at include: class 4 and class 5 switching; Value Added services; Business and Operations support systems.

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