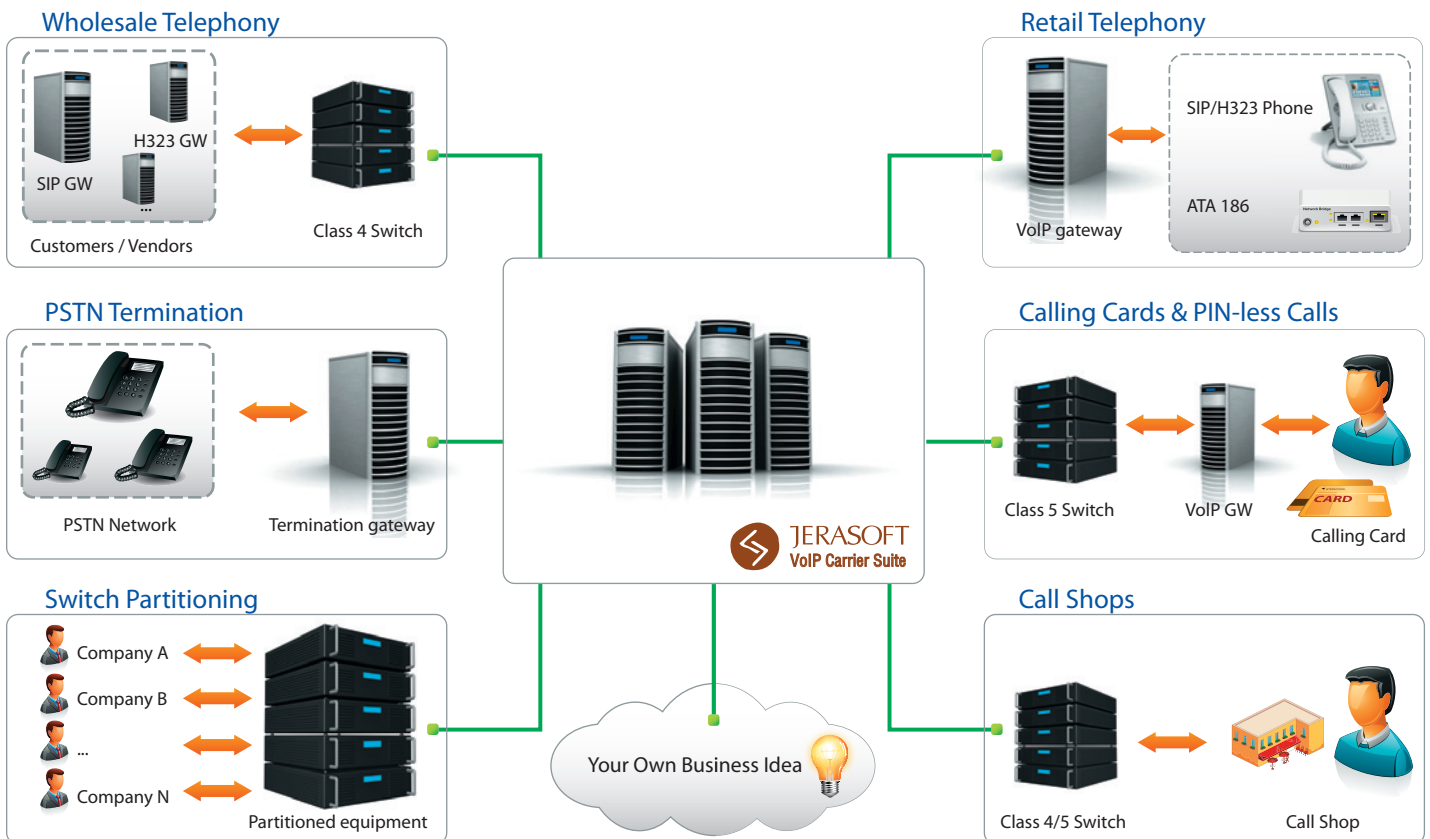# JERASOFT
VoIP Carrier Suite

JeraSoft VoIP Carrier Suite is a full–featured solution for those who want to start own VoIP Business, extend existing one or want to get their services to a new level. Its structure and features move it far beyond generic billing solution. This complex product is able to maintain full spectrum of business activities and run different business models.

Run Any Business Model!

Wholesale Telephony
H323 GW
SIP GW
Customers / Vendors
Class 4 Switch

PSTN Termination
PSTN Network
Termination gateway

Switch Partitioning
Company A
Company B
...
Company N
Partitioned equipment

Retail Telephony
SIP/H323 Phone
ATA 186
VoIP gateway

Calling Cards & PIN-less Calls
Class 5 Switch
VoIP GW
Calling Card

Call Shops
Class 4/5 Switch
Call Shop

JERASOFT VoIP Carrier Suite

Your Own Business Idea

Customers Management

– **Prepaid** and **Postpaid** customers
– Unlimited number of customers and vendors
– Authentication by **IP, login+password, ANI / DNIS**
– Support of **technical and billing prefixes**
– **Automatic invoicing** and invoice templates
– Manageable payment terms
– **Balance report**, payments & debts tracking
– **Multi–currency** support, international companies
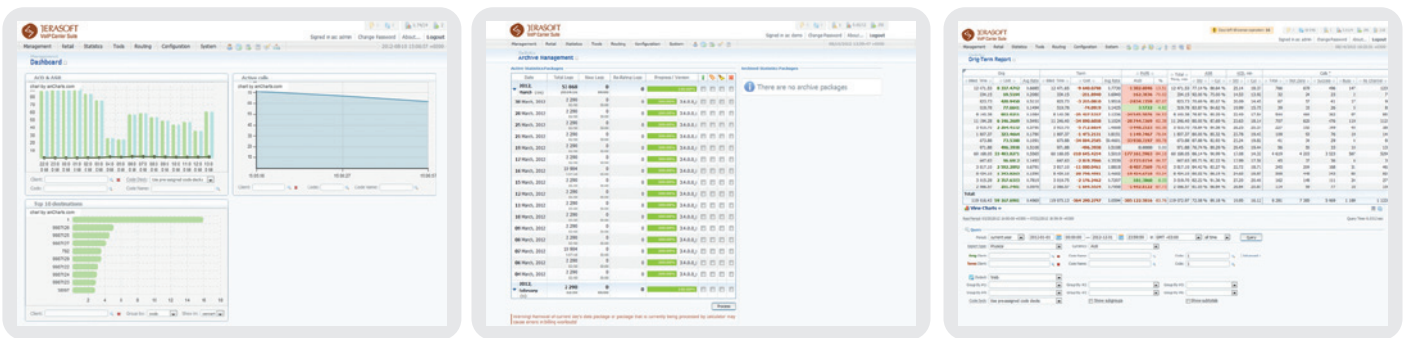– Taxes management, multi–level taxes

Rates Management

– Unlimited number of tables and rates
– Rates **import** and analysis (CSV / XLS formats)
– Rates **notifications** and **export**
– Extended **billing schemes** (setup fee, min time payment interval, grace time)
– Rates scheduling (effective / end dates)
– **Time profiles** support (per hour / day of week)
– Rates bulk processing
– **LCR Lists** generation based on real traffic

Resellers Management

– Reseller and agent **trees of unlimited depth**
– **Prepaid** and **Postpaid** resellers and agents
– **Isolated environments** for each reseller
  (customers, rate tables, invoices, payments)
– **Multi–Level–Billing**, charge resellers for calls
– **Virtual Partitions** management,
  set limits for resellers' capacity usage
– **Isolated VoIP Gateways** per reseller

Statistics and Reports

– **Flexible data filtering** per customer / vendor
  account, destination, code, time, reseller, etc.
– **Summary Report**: easy real–time statistics
– **Profitability report**: multi–level analysis
– **CDR Detailed Report**: per–call information
– **Orig–Term Report**: routes and profits tracking
– Data **export to CSV / XLS** for post processing
– Periodic reports and **reports to e–mail** function
– **Graphic Charts** in reports

Performance & Scalability

Procession capacity **over 800 million minutes** monthly.
No limits to number of clients or subscriptions.
Expandable **cluster structure** allows easy and fast
performance and capacity boost.

You need **just 1 server to start**.
The required minimum is Intel Core Xeon platform.
Further requirements exclusively depend
on production volumes.

Deployment & Integration

Since switch platforms are different and
business models are various, we insured
that VoIP Carrier Suite will comply to all
existing VoIP standards.

Following integration types and protocols
are supported:
– RADIUS AAA
– SIP Redirect Server
– CDR Files Processing
– JSON– & XML–RPC API

Compatibility?

JERASOFT
VoIP Carrier Suite

VoIP Billing
Dynamic Routing
Retail Services
Rates Control

Dynamic Routing is a feature that allows you to run your business more efficiently, by providing automated managing of your routes. Sometimes referred to as "LCR Routing", JeraSoft VCS's Dynamic Routing goes far beyond that, allowing you to choose dedicated routing policy for specific customer or destination. For your convenience, a wide range of routing policies is supported.

Wide Routing Capabilities!

Routing Features

– Multiple routing **policies** (LCR, Quality, etc)
– **Profitability control**, block unprofitable calls
– **Capacity control** and active calls tracking
– Customizable **routing groups**
– Dynamic number translation
– **Quality control** and routes monitoring
– Detailed **routing analysis** and simulation
– Manageable routing plans and templates
– SIP Redirect and RADIUS based
   routing support

Compatibility

Any switch that supports **SIP Redirect** feature can work with **JeraSoft VCS Dynamic Routing**. Another option is RADIUS protocol extension.

Some of supported switches:
– Aloe MVTS, MVTS Pro
– Genband SBC
– Brekeke SIP Server
– Sansay VSXi, VSX
– Open Source Solutions

Routing Policies

Simple LCR
Just as you thought, this is a price-based routing policy, routes are ordered by ascending rate.

Simple Quality
Priority goes to a route with the highest quality, routes are ordered by descending quality.

Complex LCR
As in Simple LCR, this is price-based routing, but it also additionally reorders top 3 cheapest routes by Quality parameter, and gives priority to the best route found.

Complex Quality
Same as above, but for quality – a quality-based routing that additionally reorders top 3 routes by rate parameter, and gives priority to cheapeast route found.

Proportional
This algorithm takes into consideration both quality and price at the same time, routes are ordered by a parameter calculated as ASR*ACD / Rate.

Custom
We didn't forget about your own thoughts to routing, so whatever you have on your mind can be added as a new routing policy!

Routing Plans

The Routing itself is managed through creation of **Routing Plans** that describe how particular destination should be routed. This enables you to route groups of customers or isolate routing within specific environment (for example, separate your premium carriers for your premium customers only).

Routing Analysis

Routing information is available to you at any time with **Routing Analysis** tool, which allows you to get an overview of current routing situation within your facilities, or run simulations by exchanging current routing plans with different ones.

Integration

JeraSoft VCS provides Dynamic Routing feature on a high scale: almost any switching equipment can be integrated with VCS to utilize this feature. The only requirement is support of **SIP Redirect** feature or **RADIUS** Routing extension.

JERASOFT
VoIP Carrier Suite

VoIP Billing
Dynamic Routing
Retail Services
Rates Control

Retail Services represent a considerable and growing sector of VoIP market. Since services go straight to end–users, this business model provides the widest range of options, rate plans, packages, etc. **JeraSoft VCS** provides a large variety of features to those who want to start retail VoIP business. Among them are: Call Shops, Calling Cards, Retail Packages, Top–Up cards, etc.

Want to run Retail?

Packages

Call Shops

DID Management

Calling Cards

Retail Web Portal

Payment Gateways

Packages

If you want to use **subscription plans**, charge your customers periodically for some services, give them minute buckets – use packages.

Retail packages equip you with:
– Periodic and one–time packages
– Flexible **subscription periods**
– Activation and subscription fees
– Packages in **multiple currencies**
– **Minute buckets** per destinations
– Multiple packages per customer
– **Isolated** reseller–owned **packages**
– **Discounts** for long term usage
– **Assign DID numbers** to packages
– Time–limited **promotional packages**

DID Management

Specifically for those companies that plan to expand their retail business, we present a specialized module – **DID Management**, that makes all operations related to the providing and managing of the DID numbers so much easier to execute. With DID Management tool you are just a few clicks away from issuing a DID number, assigning to it a monthly package and providing the service!

DID Management allows to:
– **Import** DID numbers by vendors
– Manage **DID groups**
– Sell DID's within **subscription plans**
– Choose DID numbers from the list

Payment Gateways

Thanks to an array of integrated payment solutions, any customer can perform payments quickly and conveniently, while using a payment service he is most comfortable with.

JeraSoft VCS Payment Gateways provide:
– Integration with **PayPal, Authorize.Net, MoneyBookers, Ukash, Money.ua** and more
– Support of self–issued **Top–Up Cards**
– **Easy payments** from Customer's Portal
– **Verification** of payments by Manager
– Option to set allowed top–up amounts
– Isolated reseller settings for gateways

Retail Web Service Portal

JeraSoft VCS provides customizable web portal for end–customers, that can be easily deployed in a couple of clicks. This saves great amount of time needed to create your own web–site, at the same time keeping all basic and advanced features of such installation, and providing your customers with full range of provisioned services.

Retail Web Service Portal allows to:
– Sign up for service **instantly**
– Choose **subscription plan**
– **Recharge** balance easily
– Purchase and link DIDs
– View calls **history** and **reports**

Calling Cards

Provide your customers with easy and convenient means to make cheap long distance international calls via regular phone or SIP–dialer, without any monthly bills or subscriptions, by using calling cards.

JeraSoft VCS enables you to run your own retail business with wide features:
– **Unlimited number** of calling card series
– Top–Up for single calling cards
– **Customer Portal** for calling cards users
– Multiple currencies support
– Separated **routing plans** for card series
– Series **expiration** by date or age
– Integration of PIN–less calls

Call Shops

Call Shops service enables customers to make calls at significantly lower rates than through PSTN or mobile networks. A call shop can be situated in key locations of a city, or near specific places such as hotels, cafes, universities, popular touristic spots, etc.

JeraSoft VCS provides integrated call shop module, which is easy to deploy, use and maintain, plus:
– Independent **manager and operator** roles
– **Prepaid and postpaid** call shop booths
– **Multiple rate tables** for different booths
– Support of **multiple currencies**
– **Realtime** booth/call status monitoring
– Create and **print bills** with calls lists
– Isolated **reseller–owned** call shops

Rates Control

In VoIP you would get nowhere without proper control for your destinations and rates, and this is where JeraSoft VoIP Carrier Suite can help you! By using range of flexible and convenient instruments you can get more efficient business as soon as you start using JeraSoft VCS.

Control Your Rates & Destinations!

Provided possibilities include analysis tools, to perform various analyzing tasks upon your rates; rates generator, to create ready–to–be–sent price lists for your customers, LCR Lists generator, to get yourself a list of your current target destinations with exact prices and rates match finder tools, to drastically ease the routine work of your managers in search for acceptable orig–term pairs.

To sum it all up, JeraSoft VCS allows you to run your VoIP business at higher pace than before, saving time and effort you may have put into small and annoying routine tasks that accompany any type of business activity.
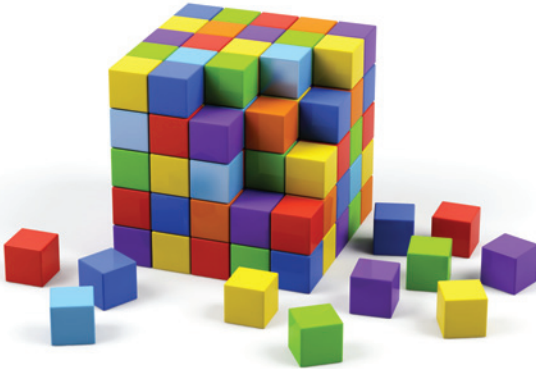
Rates Analysis

Rates Analysis allows you to compare rate lists from different suppliers to find best ones, build LCR lists to get complete analysis of your current operations or simply analyze your current customers' and vendors' rates on chosen destinations.

Rates Generator

Rates Generator allows you to prepare and compose a rates list for your customers by analyzing multiple sources (rate tables, vendors' rates), choosing relevant data (desired destination plus quality measurements) and applying your margins (either absolute or relative value). After that, your newly created rates list or updated existing one is ready to be sent!

Rates Notification

Rates Notification will allow you to send notifications to your customers within VCS interface in case of rate changes. In short – if your customer's rate table is updated by some means, system will automatically generate and send notification e–mail to that customer with information which rates were increased, decreased, closed etc. You can easily manage settings and define in which cases clients should receive notifications and what type of message should be used.

LCR Lists

LCR Lists generator creates a list of your current targets by using your statistics data, thus greatly simplifying negotiation process between you and your potential provider. By exchanging precise data, it is much easier to reach a consensus than before!