

# JeraSoft Billing 3.8.5

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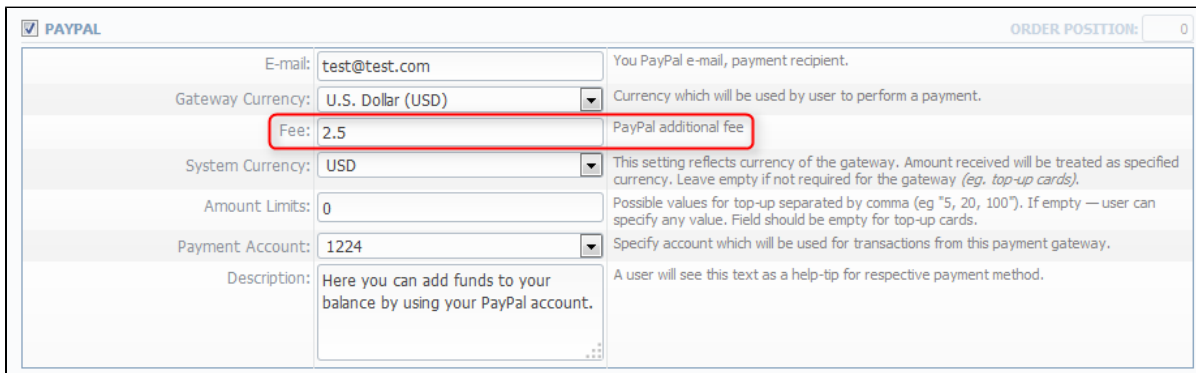
JeraSoft is pleased to announce the release of VCS 3.8.5, which had some additions and improvements. This document will describe the features with most impact on system's functions and also provide information regarding to their usage.

## Configuration

### Payment Gateways

There are some adjustments in configuration settings for *PayPal payment gateway*. There is one more required field called "*Fee*", where should be specified additional PayPal fee. This fee is calculated and shown additionally in the Refill balance section in Client's panel.

Screenshot: *PayPal Configuration Settings*



The screenshot shows the configuration settings for the PAYPAL gateway. The form includes the following fields and descriptions:

Field	Value	Description
E-mail:	test@test.com	You PayPal e-mail, payment recipient.
Gateway Currency:	U.S. Dollar (USD)	Currency which will be used by user to perform a payment.
Fee:	2.5	PayPal additional fee
System Currency:	USD	This setting reflects currency of the gateway. Amount received will be treated as specified currency. Leave empty if not required for the gateway (eg. top-up cards).
Amount Limits:	0	Possible values for top-up separated by comma (eg "5, 20, 100"). If empty — user can specify any value. Field should be empty for top-up cards.
Payment Account:	1224	Specify account which will be used for transactions from this payment gateway.
Description:	Here you can add funds to your balance by using your PayPal account.	A user will see this text as a help-tip for respective payment method.

## Interface

Now it becomes easy to define the type of a client with the help of icons on the main page of the *Clients list*, also you can filter your clients by type using the search form.

Screenshot: Clients List

ID	Name	Balance			Pay Terms	Groups	Reseller
		Available	Live	Fixed			
4205	Customer 1	114 829.69 DKK	-14 885 170.31	-1 897.85	Every day		RESELLER A
11	Customer A	-335.00 DKK	-435.00	3 445.30	Monthly		RESELLER A
22	Customer B	9 475.87 USD	-524.13	-276.34	Monthly		Reseller B
27	Customer D	1 404.00 DKK	-3 596.00	-320.00	Monthly		RESELLER A
39	Customer E	97 345.64 DKK	97 345.64	100 000.00	2nd day of month		Reseller B
25	Customer F	6 514.11 DKK	-1 485.89	-1 836.68	6th day of month		RESELLER A
34	Customer G	No Limit DKK	-1 284.05	-99.34	Monthly		RESELLER A
31	Customer H	-10 495.24 DKK	-13 495.24	-12 449.24	Monthly		sfsdfs
21	Customer I	3 651.03 USD	3 650.03	4 021.05	Monthly		Reseller B
20	Customer J	16 350.12 1/2USD	15 549.12	19 607.84	Monthly		RESELLER A
15	Customer K	15 436.34 DKK	-4 563.66	-2 626.99	Monthly		RESELLER A
23	Customer L	8 528.99 1/2USD	-11 471.01	-11 015.58	Monthly		Reseller B
28	Customer M	-1 562.10 DKK	-2 062.10	-4 471.58	Monthly		RESELLER A
16165	Customer_one	2 500.00 TEA	0.00	0.00	Monthly		RESELLER A
16166	Customer_two	5.00 USD	0.00	0.00	Every day		Kyivstar

## Integration

We are happy to announce that VCS has been successfully and fully integrated with *Squire MGC* and *Squire SBC*.

## Rates Management

As we previously announced [JeraSoft expanded partnership with Telarix iXLink Interconnect](#). And VCS has the ability to integrate its products to the iXLink platform.

## System

### API Tested

API Testbed is the new separate section in the web interface, that allows to send/receive JSON-RPC API calls.

It gives ability to fill common parameters:

- JSON-RPC URL - defaults to current server settings;
- Module / Action - which module and action to call;
- Login / Password - which credentials to use during the call;
- Parameters - JSON data that will be sent to the API.

After the send request is pressed you will see:

- API Request - full JSON message that has been sent;
- API Response - full JSON response from RPC server.

Both request and response are shown as JSON tree with ability to switch to RAW JSON.

Screenshot: API Testbed Section

API Testbed

API SERVER  
JSON-RPC URL:

API METHOD  
Module: Management / Clients  
Action: list

AUTHENTICATION  
Login: admin  
Password:

PARAMETERS

Send Request

## System Status

Now in "Database sessions" section you can see the application names in respective column. This makes system monitoring through web much more convenient.

Screenshot: System Status section

ID	Application	Session Start	Query Start	Duration	Query
16285		23-12-2014 16:57:35 +0200	23-12-2014 16:57:35 +0200	00:00:00	SELECT *, (now()-backend_start) AS duration FROM pg_stat_activity WHERE TRUE AND "datname" = 'vcs' AND "username" = 'vcs' ORDER BY "duration" ASC
461	SIP Redirect Server	23-12-2014 12:09:20 +0200	23-12-2014 12:11:12 +0200	04:48:15	IDLE
460	SIP Redirect Server	23-12-2014 12:09:20 +0200	23-12-2014 12:09:42 +0200	04:48:15	IDLE
457	SIP Redirect Server	23-12-2014 12:09:20 +0200	23-12-2014 16:56:43 +0200	04:48:15	IDLE
1213	RADIUS Server	23-12-2014 01:10:22 +0200	23-12-2014 16:57:35 +0200	15:47:12	IDLE
1212	RADIUS Server	23-12-2014 01:10:22 +0200	23-12-2014 16:57:35 +0200	15:47:12	SELECT a.name AS account, a.id AS id_accounts, a.id_clients, a.tech_prefix, a.password, a.orig_capacity, a.term_capacity, a.orig_enabled, a.term_enabled, a.orig_groups, a.term_groups, c.name AS client, c.prepaid, c.bill_by_time, c.id_companies, c.id_companies_real, c.id_currencies, c.status, c.locale, c.type, c.id_companies_parents, c.orig_capacity AS c_orig_capacity, c.term_capacity AS c_term_capacity, (cb.balance + c.credit) AS balance, (c.status <=> 'active') AS c_deny, c.type AS client_type, COALESCE(c.tz, 'Etc/GMT-7') AS tz, co.orig_capacity AS co_orig_capacity, co.term_capacity AS co_term_capacity, (co.status <=> 'active') AS co_deny, cur.name AS currency_name, rt.id_code_decks, rt.id AS id_rate_tables, COALESCE(a.id_dr_plans, c.id_dr_plans, co.id_dr_plans) AS id_dr_plans, (CASE WHEN COALESCE(rt.with_1
1211	RADIUS Server	23-12-2014 01:10:22 +0200	23-12-2014 01:10:22 +0200	15:47:12	IDLE
1205	RADIUS Server	23-12-2014 01:10:22 +0200	23-12-2014 16:57:34 +0200	15:47:12	IDLE
25284	XML-RPC Server	19-12-2014 16:43:02 +0200	19-12-2014 16:43:02 +0200	4 days 00:14:33	IDLE

## Tools

### CDR Disputes

There are some improvements in CDRs Disputes Module. Mostly, the improvements concern the CDRs importing process, they are the followings:

- additional *filters*, i.e. filtration can be made by *Code Name*, *Code* and *Code Deck*;
- possibility to choose *period* that you want to be imported for the new dispute;
- possibility to specify *timezone* of the importing CDRs list, in addition to this functionality there is the "*Override timezone*" checkbox that allows to change a timezone in the importing file on the timezone specified above.

Screenshot: CDR Disputes - Import Section

### Factors Watcher

Factors Watcher functionality is expanded. From now on, you can:

- choose the type of period which to analyze, there are two available types - fixed and calendar periods;
- set how often to perform checks;
- specify the interval of time to analyze during checks;
- define the timezone that should be used when pulling reports or blocking routes;
- enter the period start, i.e. the specific time to count the period from.

Screenshot: Factors Watcher main window

In addition, you can set *Expiration date* to each rule in respective field for automatic removal of this rule. And "cost\_total" variable is added for watch rules.

Screenshot: Factors Watcher - Rules list

## Rates Analysis

1. The "Rate Group" field is added to Rates Analysis search form. In this field you can specify a group to which the rates belong.

Screenshot: Rates Analysis Search Form

2. Now you can see the accounts information in resulting table of rates analysis.

## Updates and Improvements

- Packages with some number of DIDs can be assigned either to *Whole client* or to certain *Account*. If such package is assigned to *Whole client*, DIDs can be easily added to each account of this client respectively in *Clients - DID Management section*.
- Now, search by code or code name in Rate tables is worked with the accurate match.
- There is a change in Routing Plans rules processing, i.e. the DR Order "*by appeal*" is renamed to "*by appeal / code*". According to this DR Order, routes are ordered first by appeal value and then by the longest code.
- From now on, Orig-Term report and Rates Analysis can be also generated for customer or vendor that have rate table assigned directly to one of its accounts.
- Files export with Cyrillic alphabet to *.xls format* is working correctly.
- In case, when several identical packages are assigned to one client, the first will be billed the package which ends earlier then the other one.
- Now, the grouping in reports is done according to the timezone that was specified.