

JeraSoft Billing 3.14

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JeraSoft presents a new major version **VCS 3.14** with new options and the latest improvements of currently existing features. Below, you can find a complete list of changes.

General

Major updates

Events log

Starting from this version, VCS comes with an updated *Events Log* functionality and modified *Configurations* tab.

- *Events Log* toolbar has the possibility to **search and filter by tags**. These tags are assigned by the system and intended to group similar messages from the different services. As an example, fraud protection might be fired by RADIUS or by Factors Watcher. It is possible to filter by respective tag to get all related messages.
- *Events Log* contains an **extended logging information** of *Email Rates Manager* events.

Screenshot: *Events Log* tab/search settings

ID	Type	Sender	Date	Message
81276	Message	Files Downloader	09/07/2017 13:08:02 +0000	No hosts with enabled files downloader found
81275	Message	Task Scheduler	09/07/2017 13:08:02 +0000	RUNNER: starting task "files_downloader"
81274	Message	JSON-RPC Core API	09/07/2017 13:07:55 +0000	Monitoring: got 0 requests / 0.00 rps for last minute
81273	Message	Calculator	09/07/2017 13:07:05 +0000	No xDRs found for processing
81272	Message	Calculator	09/07/2017 13:07:05 +0000	Queue: loaded 0 xDRs from xdrs_queue
81271	Message	Task Scheduler	09/07/2017 13:07:04 +0000	RUNNER: starting task "ex_manager"

- *Configuration* tab has a new user interface and now looks like most of the other sections (see screenshot below)

Screenshot: *Configuration* tab settings

ID	Title	E-mails	Filters	Group Limit
1	Rule 1	email@jerasoft.net	Services: Backup Manager, Balances Manager, Cache Manager, Calculator, Calling Cards Manager, Cleaner, Dynamic Routing Manager, Email Rates Manager, Events Manager Types: Errors, Alerts, Messages Tags: aaa, api, api.core, coreapi, dids, packages, system	11
2	Rule 2	emails@jerasoft.net	Services: Backup Manager, Balances Manager, Cache Manager, Calculator, Cleaner, Calling Cards Manager, Dynamic Routing Manager, Events Manager, Email Rates Manager, Files Collector, Factors Watcher, Files Downloader, JSON-RPC Core API, Invoicing Manager, Jurisdiction Manager, Log Rotator, Mail Manager, Notificator, Packages Manager, Provisioning Manager, Payment Gateways, RADIUS Server, Rates Notificator, Report Generator, Reports Watcher, SIP Redirect Server, Statistics Manager, Task Scheduler, Web Types: Errors, Alerts Tags: aaa, aaa.fraud, aaa.ident, aaa.ident.client, aaa.ident.rate	11

- *Configuration* tab has a new **"Watch Rule"** form with the next modifications:
 - 1) Title could be added to the rule and put into subject of the message. It helps to organize messages in the email client.
 - 2) **"Group Limit"** option allows to set *after how many events* under the same rule log message should be sent as a single aggregated message instead of separate e-mails per each log message.
 - 3) **"Details Limit"** option allows to set amount of characters for grouped messages.
 - 4) New possibility to configure notification separately for *RADIUS: Fraud Protection* by tags.
 - 5) Filters by services, tags, types and messages with POSIX regular expressions (for example, `(.*)Telecom.*`)

Screenshot: Watch Rule pop-up window settings

Watch Rule

Title: Rule 3

E-mails:

Group Limit: 0 events Details Limit: 300 characters

FILTERS

Services: All

Types: All

Tags: All

RegExp Match:

OK Cancel Apply

For more detailed information about [Events Log](#) functionality, visit our User Guide.

Invoices Template

⚠ Attention

Be advised that in **VCS 3.14.0** **{cost_total_gross}** functional variable has been renamed to **{cost_gross_total}**. To prevent any possible issues, please make sure, **all** your invoices have a **correct** variable

Rate Tables: Import

From now on, the [Import](#) tab has a new user interface. It was reworked to simplify the import experience by providing new and enhanced options and more informative tooltips. The tab supports the following features:

- import the **file (*xls, xlsx) with multiple sheets**;
- **import template** could be configured for each sheet;
- new **Code Rules** sub-panel with advanced settings that could be applied for all codes or specific one:

⚠ Attention

When you add a code rule and set the value in the fields, it will overwrite parameters specified in the file. If you leave fields empty, it will take the parameters from the file.

The column with *** code** presents the rule with **default settings** for fields that are **NOT selected** in the imported file. However, the **default values** (of this rule) for fields that are **selected** in the file won't be applicable (see screenshot below).

- **A-Z import mode** (that is used to close active or future rates) could be applied for one code.

Screenshot: Import tab settings

Rates Simulate Rate Formulas **Import** Export Parameters Orig rate [USD]

STEP 1: FILE SETTINGS

Selected file: cc-2.csv
 Choose a file or drag it here

Import Template:
 Delimiter:

STEP 2: IMPORT SETTINGS

Sheet 1 Sheet 2 Sheet 3

Code	Effective From	Rate	Skip
444	2017-01-10 00:00:00	0.333	<input type="checkbox"/>
445	2017-01-10 00:00:00	0.333	<input type="checkbox"/>
446	2017-01-10 00:00:00	0.333	<input type="checkbox"/>
447	2017-01-10 00:00:00	0.333	<input type="checkbox"/>
447	2017-01-10 00:00:00	0.333	<input type="checkbox"/>

[More rows](#)

CODE RULES

Code	Time profile	Min	Int	AZ Mode / Close in(days)	Extra
*	all time	1	1	Disabled	regular
23423	non-business time	34	70	Extended (close active and futur	Best quality ED: 2018-02-04 12:00:00+0800 SF: 3.25 additive Tags: VIP GV: 22

Save Template Import

DAS SMS Integration

This version brings an extended integration with DAS SMS Gateway, namely, **SIP Redirect**.

For further configurations, please visit our guide with detailed instructions: [DAS: SIP Redirect Integration](#)



Minor updates

1. **JeraSoft VCS directories** have been updated and relocated:

- **VCS** files location: **/opt/jerasoft/vcs**.
- **Client Portal** location: **/opt/jerasoft/vcs/portal-backend**.
- Files from **"/usr/local/vcs/var"** were moved to **/opt/jerasoft/vcs-data**.
- Files from **"/usr/local/vcs/tmp"** was relocated to the **/opt/jerasoft/vcs-data/tmp**.

2. **Clients:**


- **"Rates Notification"** option allows to send changes made in the parent rate table.
- **"Export List"** of clients now includes additional fields, such as:
 - NOC E-mail
 - Main E-mail
 - Billing E-mail
 - Rates E-mail
 - Address
 - Create Date
 - Payment Terms
 - Credit
 - Notify Client
 - Notify Admin
- when deleting a Client's Template that is assigned to other client, system will specifically say which one.

3. **Invoices:** new column **"Tax"** was added to exported *csv file.

4. **Rate Tables:**

- **increased limits** up to 2 000 000 for **"Min Volume"**, **"Grace Volume"**, **"Interval"** fields;
- the **output format of "Prev Diff Status (export)"** value was changed. Now, this column shows whether the rate is *increased* or *decreased* without a numerical value;
- **rate with an asterisk (*)** could be added as code.

- "**Effective Date**" field is now always filled by a current date by default, which prevents some inconvenient errors during rate import.

5. **Balance Report:** added new icon  for service charges.

6. **Packages:**

- new possibility to **add packages for the terminator**. These packages could be used when the terminator has a negative rate;
- the max length for Packages' name was extended up to 128 characters;
- appeared "**Create charge on**" option with different time frames:

- *at pre-activation time* (create charge at the moment of period creation);
- *at period start time* (create charge at the moment of new period start).

7. **LCR Lists:**

- when you export the report and tick the "*Show Vendors*" checkbox, vendors' names will be displayed in the exported **xls/csv* file;
- report results will be sorted by the rate as default output.

8. **Settings:**

- "*Default invoice fields*" and "*XDR fields for invoices*" fields were removed from the *Invoice Settings* sub-panel.
- "*Message Limit for Events Config*" was removed from the *Notification and Monitoring* sub-panel.

9. **Routing Plans:** the "*Parent Routing Plan*" parameter was renamed to "*Additional Routing Plan*".

10. **Core:**

- added JSON-RPC errors handling mechanism, which allows to properly identify general api errors, external handler errors and validation errors.
- new API methods are added: *upload file*, *return file info by id*, *download file by id*, *return list of files*.

11. **Dynamic Routing Manager:** up to 25% increased performance in regards to memory usage.

12. **Integrations:** Genband SIP collector received support for a "*port name*" parameter which is additionally present as a separate field in a client account. Support of other soft switches will follow.

13. **Archive Management:** "*Volume*" column is displayed in license-type units (minutes for minute-based License, number of users for user-based, etc).

14. **Taxes Profiles:** now you can again create a profile that belongs to "All Resellers".