

# JeraSoft Billing 3.15

## In this article

- [Major Updates](#)
  - [Management API - XML-RPC deprecation](#)
  - [Rate Tables](#)
  - [Rate Notification](#)
  - [DID Management](#)
  - [Client Portal](#)
  - [Client Packages](#)
  - [Factors Watcher](#)
- [Minor Updates](#)
  - [ECSS-10 Integration](#)
  - [VCS directories](#)
  - [Orig-Term Report](#)
  - [Invoices Templates](#)
  - [Transactions](#)
  - [Routing Plan](#)
  - [Mismatches Report](#)
  - [Clients/Accounts](#)

**JeraSoft** is excited to announce the major release of **VCS 3.15**. This version includes a variety of features and system capabilities for VCS users. The full list of changes is provided below.

## Major Updates

### Management API - XML-RPC deprecation

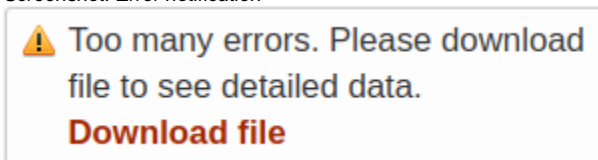
We'd like to remind you about a key change that took place in **3.14.0** - support of **XML-RPC protocol** in **Management API** was deprecated and it will be completely removed in **3.16.0**. At the same time, **JSON-RPC** is and will be further supported.

### Rate Tables

A series of changes and improvements have been introduced to the section, including:

- In case numerous errors occurred while **importing** rates, you will be displayed the respective notification:

*Screenshot: Error notification*



By clicking on **Download file**, a **.csv** file with the following columns is downloaded:

Column	Description
Sheet	Index number of the sheet, where error occurred
Line	Line of the sheet, where error occurred
Errors	Description of the error that occurred

*Screenshot: .csv file with detailed error data*

	A	B	C	D
1	Sheet	Line	Errors	
2	1	1	Incorrect rate specified	
3	1	2	Incorrect rate specified	
4	1	3	Incorrect rate specified	
5	1	4	Incorrect rate specified	
6	1	5	Incorrect rate specified	
7	1	6	Incorrect rate specified	
8	1	7	Incorrect rate specified	
9	1	8	Incorrect rate specified	
10	1	9	Incorrect rate specified	
11	1	10	Incorrect rate specified	

### ⚠ Attention

Starting from VCS 3.15.0, any rate table will no longer contain **Rate Formulas** tab, where user was able to specify the number of seconds system would consider as a minute

- While importing rate tables, a list of columns in **Code Rules** information block has been renamed, reordered, and enhanced:
  - **Service** column has been added
  - **Effective From** column has been added
  - **Time Profile** column has been renamed to **Profile**
  - **AZ Mode/ Close in (days)** column has been moved to **Step 2: Import Settings**

In 3.15.0, **Code Rules** structure is as follows:

*Screenshot: Code Rule information block*

- **Simulate** tab from now on works only with rates, whose status is **Active**
- **Effective From** field has been renamed to **Effective Date**

## Rate Notification

A couple of crucial improvements of **Rate Notification** service have been added to the this version.

- From now on, if any rate table (child) in the system has the assigned parent rate table, clients will be notified through **Rate Notification** service about changes in **both tables**.
- If child and parent rate tables both have the rule for the same code, priority is given to a **child one**. However, if the rule in a child rate table has expired due to **End date** field value, and a parent rule is still active, notifications will regard the latter one.

## DID Management

The following major features have been added to **DID Management** section:

- To make **DID Management** section more versatile, a new **Export DIDs** button has been added. By pressing the button, a download of a **.csv** file of current section table is initiated. Not only does the file contain all columns of section table, but it also includes a **Package** column, where respective package name is indicated.

*Screenshot: Export DIDs button*

# DID Management Operators

New DIDs Import DIDs **Export DIDs** Mass Edit

Rows 1 – 8 of 8 20 Page 1 of 1

ID	Status	Operator	DID	Tag	Notes	Client	Reseller
4	Reserved	Oliver	1			—	Company Name
5	Archive	Oliver	2			—	Company Name
6	In Stock	Oliver	4			—	Company Name
7	In Stock	Oliver	5			—	Company Name
8	In Stock	Oliver	6			—	Company Name
9	In Stock	Oliver	7			—	Company Name
10	In Stock	Oliver	8			—	Company Name
11	In Stock	Oliver	9			—	Company Name

About Get Support 0.3091s © 2004-2018 JeraSoft. All Rights Reserved.

Screenshot: Package column in exported file

	A	B	C	D	E	F	G	H	I	J	K
1	ID	Status	Operator	DID	Tag	Notes	Client	Account	Package	After Hold	Reseller
2	4	reserved	Oliver	1						reserved	Company Name
3	5	archive	Oliver	2						reserved	Company Name
4	6	active	Oliver	4					Free minutes	reserved	Company Name
5	7	active	Oliver	5					Free minutes	reserved	Company Name
6	8	active	Oliver	6					Free minutes	reserved	Company Name
7	9	active	Oliver	7					Free minutes	reserved	Company Name
8	10	active	Oliver	8					Free minutes	reserved	Company Name
9	11	active	Oliver	9					Free minutes	reserved	Company Name

- Throughout the whole section, namely in the section table, on a DID creation page and during DIDs import/export, **Notes** field is added. It allows user to leave a detailed clarification or any additional information regarding a certain DID.
- When selecting rows and columns during DIDs import, now you can specify not only **DID** columns, but **Operators**, **Status**, **After Hold**, **Tag** columns as well. Check out our [User Guide](#) for more information.

Screenshot: Rows and Columns select

# DID Management

ROWS AND COLUMNS SELECT

	Status	Opera	DID							Skip	
ID	Status	Operator	DID	Tag	Notes	Client	Account	Package	DID Notes Operator Status After Hold Tag	Reseller	<input type="checkbox"/>
1	instock	Operator 1	145869							Company Name	<input type="checkbox"/>
2	archive	Operator 1	25788							Company Name	<input type="checkbox"/>
3	instock	Operator 1	3580						instock	Company Name	<input type="checkbox"/>
4	reserved	Operator 1	97646						reserved	Company Name	<input type="checkbox"/>

« Return Cancel Process »

## Client Portal

- In order to make access to **Client Portal** easier and less complicated, the following steps have been undertaken:

- **Enable client's panel** checkbox in **Settings** section has been removed.
- **Access** select field from **Client profile** settings has been deleted.
- **New Password** field is now renamed to **Password**.

Now, to get into Client Portal, all you need to do is simply set **Login** and **Password** fields in **Client's Panel** information block of respective profile settings and access the portal. More info on accessing Client Portal can be found in this [User Guide article](#).

- On the Client Portal, the **Detailed** page of **Usage History** section has a completely reworked **Package** field. Now, you can choose one of the following options from the drop-down list:

Option	Description
Leave empty	If selected, all calls will be displayed
Without packages	If selected, only calls that are not included into package will be displayed
Package name	If selected, only calls within this particular package will be displayed.  <div style="background-color: #ffff00; padding: 5px;"> <p><b>⚠ Note</b></p> <p>The number of packages names on the drop-down list depends on the amount of packages assigned to the corresponding user</p> </div>

Screenshot: Package field on Client Portal

## Client Packages

- To keep track of all the changes of package limits, a new **Limits History** information block has been added. This information is available for user in an **Edit Client's Package** pop-up window and speculates on the amount of package limits, used during each period.

Screenshot: Limits History information block

Client Packages

**SYSTEM INFORMATION**

Client: **Orig Client**  
Account: All Accounts  
Package: **Test Package with volume and credit limits**

Start date: 10/01/2017 00:00:00 +0000  
End date:

Status: **Active**

Charge on Event: No  
Charged: Yes  
Reactivations: 4  
Align to Payment Terms: No  
Recalculate to Period: No

**LIMITS HISTORY**

Rows 1 – 4 of 4 20 ▼ « < > » Page 1 of 1

	Limits	Current period start	Current period stop
●	380  100.0000 USD 38044  100.00 min	01/01/2018 00:00:00	02/01/2018 00:00:00
○	380  100.0000 USD 38044  100.00 min	12/01/2017 00:00:00	01/01/2018 00:00:00
○	380  100.0000 USD 38044  100.00 min	11/01/2017 00:00:00	12/01/2017 00:00:00
○	380  100.0000 USD 38044  100.00 min	10/01/2017 00:00:00	11/01/2017 00:00:00

OK
Cancel
Apply

- In earlier versions, if a client had a negative balance, and a new package was assigned to him, this package would not activate. Now, user can assign a package to a client disregarding his current balance.

## Factors Watcher

### Attention

In the previous version, user could come across an issue when **Factors Watcher** would block all termination client's accounts instead of termination clients himself according to the watcher rule. In **3.15.0**, this issue has been solved.

## Minor Updates

### ECSS-10 Integration

VCS 3.15.0 introduces a new integration with **ECSS-10 Softswitch** via RADIUS. A detailed information on this topic can be found in our [Integration Manual](#).

### VCS directories

The following JeraSoft VCS directories have been renamed:

- `/opt/jerasoft/vcs-data/external/cdrs` folder is now `/opt/jerasoft/vcs-data/external/xdrs`
- `/opt/jerasoft/vcs-data/external/cdrs_parsed` folder is now `/opt/jerasoft/vcs-data/external/xdrs_parsed`
- `/opt/jerasoft/vcs-data/external/cdrs_corrupted` folder is now `/opt/jerasoft/vcs-data/external/xdrs_corrupted`

### Orig-Term Report

- Previously, when output type was set to **Plain**, Orig-Term Report always contained **Total** row, where total figures for each column were displayed. With the introduction of a new **Plain with total** output type, it became fully custom. Now, by choosing a desired type, it's you who determine whether a report is going to include a **Total** row or not.

Screenshot: Total row in Orig-Term Report

The screenshot shows the 'Orig-Term Report' interface. The 'OUTPUT' section on the right has 'Type' set to 'Plain with total'. The table below shows a 'Total' row with a red background, indicating that this output type includes a total row. A red arrow points from the 'Plain with total' dropdown to the 'Total' row.

Service Name	Unit	Orig Client	Term Client	Day	Orig Billed Volume	Orig Cost	Orig Avg Rate	Term Billed Volume	Term Cost	Term Avg Rate	Profit	Profit (%)	Total Volume	Total Events	Not Zero	Success	Busy	No Channel	Error	ASR Std	ASR Cur	ACD Std	ACD Cur
<b>Total</b>					152.00	0.00	0.0000	152.00	-71.20	0.4684	-71.20	0.00	152.00	38	38	38	0	0	0	100.00	100.00	4.00	4.00
Calls	min	Orig Client #1	Term Client #1	01/09/2018	148.00	0.0000	0.0000	148.00	-69.4000	0.4689	-69.4000	N/A	148.00	37	37	37	0	0	0	100.00	100.00	4.00	4.00
Calls	min	Orig Client #1	Term Client #1	01/10/2018	4.00	0.0000	0.0000	4.00	-1.8000	0.4500	-1.8000	N/A	4.00	1	1	1	0	0	0	100.00	100.00	4.00	4.00

## Invoices Templates

- While specifying columns that will be included into xDR file, attached to **PDF** invoice in **Invoice Template**, you'll be able to select **Taxes** column starting from this version.

## Transactions

Since it's considered a good practice to regulate the process of adding new payments and charges, the **Author** column has been added to the system. Whenever a new transaction (irrespective of its type) is added **manually** by a user through **Transactions** section in **JeraSoft VCS** or **Refill Balance** page on **JeraSoft Client Portal**, his/her name is displayed in the respective column. In case of automatically generated transaction, however, this column is left empty.

Screenshot: Author column in Transactions section

ID	Payment Account	Client / Reseller	Client ID	Amount	Taxes	Description	Transaction Date	Author
3	Charge: Extra Charges Outgoing	Main Client	13	270.00 USD	—		01/10/2018 13:17:11 +0000	admin
1	Payment: General	Main Client	13	120.00 USD	—		01/10/2018 13:16:41 +0000	admin

## Routing Plan

- Two additional fields have been added to **Advanced Search** drop-down menu ( ) in **Routing Plan** section:
  - Additional DR plan** - only those routing plans that have the selected plan assigned, as an additional one, will be displayed
  - TERM Client** - if the selected termination client is assigned to a plan rule, such DR plan will be displayed

Screenshot: Advanced Search drop-down menu in Routing Plan section

Reseller:

Allowed for:

Code Deck:

Tags:

Additional DR plan:

TERM Client:

## Mismatches Report

To make the process of report creation easier for users, it was decided to relocate **Search** fields from drop-down menu to a **section header** right on top of main area. Moreover, **Query** buttons in main area have been renamed to **Query xDR**.

Screenshot: Mismatches Report

**Mismatches Report**

Period: Custom 2018-01-09 00:00:00 — 2018-01-10 23:59:59 UTC  
 Service: Calls

Query

**UNKNOWN CLIENTS**

	origination	termination	all
Total	0	0	0
Non Zero	0	0	0
Total Volume	0	0	0

Type: all  
 Duration: non-zero  
 Output: Web

Query xDR

**UNKNOWN DESTINATIONS (KNOWN CLIENTS)**

	origination	termination	all
Total	0	0	0
Non Zero	0	0	0
Total Volume	0	0	0

Type: all  
 Duration: non-zero  
 Output: Web

Query xDR

**UNKNOWN DESTINATIONS IN RESELLERS (KNOWN RESELLERS)**

	origination	termination	all
Total	0	0	0
Non Zero	0	0	0
Total Volume	0	0	0

Type: all  
 Duration: non-zero  
 Output: Web

Query xDR

About Get Support 2.5236s © 2004-2018 JeraSoft. All Rights Reserved.

## Clients/Accounts

The following changes have been made to **Advanced Search** drop-down menu ( ) in **Clients** and **Accounts** sections:

- **Clients** section:
  - **Account IP** field has been renamed to **Account Name / ANI / IP**

Screenshot: Advanced Search drop-down menu in Clients section

**Clients** Client's Templates

New Client Export List Mass Edit

ID	Name	Balance		
		Available	Live	Fixed
11	Orig Client	No Limit USD	157.90	119.90
12	Term Client #1	No Limit USD	71.20	0.00
13	Term Client #2	125.00 USD	25.00	25.00

About Get Support 0.3998s

Status: Active  
 Reseller: all resellers  
 Client's Template:  
 Type:  
 Main E-mail:  
 Account Name:  
 Account Name / ANI / IP:  
 Payment Terms:  
 ORIG Rate Table:  
 TERM Rate Table:  
 Routing Plan:  
 Client ID:  
 Tags:















Reset Search

- **Accounts** section:
  - **Name, ANI, and IP** fields have been united into a single **Name / ANI / IP** field

Screenshot: Advanced Search drop-down menu in Accounts section

Accounts

+ New Account

ID	Client		Account	Name / ANI / IP	Tech P
176	Orig Client	  	<b>orig</b>	Name: orig	
177	Term Client #1	  	<b>term</b>	Name: term	
179	Term Client #1	  	<b>term2</b>	IP: 100.100.14.1	
178	Term Client #2	  	<b>term2</b>	Name: term2	
180	Term Client #1	  	<b>term3</b>	Name: term3	

About | Get Support | 0.2840s

Name / ANI / IP:

Tech Prefix:

Origination:

Orig Rate Table:

Routing Plan:

Tags:

Termination:

Term Rate Table:

Tags:

Client Type:

Client:

Reset

Search