

Release 3.15.0

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JeraSoft Development is excited to announce the major release of **VCS 3.15.0**. 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

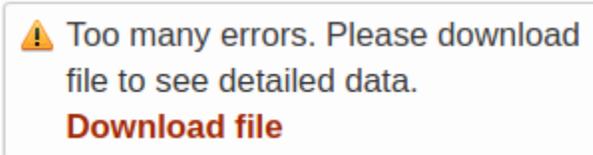
We'd like to remind you about a key change that took place in **3.14.0** - support of **XML-RPC protocol** in **Management API** was deprecated and it will be completely removed in **3.16.0**. At the same time, **JSON-RPC** is and will be further supported.

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 |

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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>⚠ Note</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 has 'Type' set to 'Plain with total'. The table below shows a 'Total' row with values for various metrics. A red arrow points from the 'Plain with total' dropdown to the 'Total' row.

| Service | 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 |
|--------------|------|----------------|----------------|------------|--------------------|-----------|---------------|--------------------|-----------|---------------|----------|------------|--------------|--------------|----------|---------|------|------------|-------|---------|---------|---------|---------|
| Total | | | | | 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.

Screenshot: Taxes column in Invoices Templates

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: all resellers

Allowed for: all resellers

Code Deck:

Tags:

Additional DR plan:

TERM Client:

Reset Search

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

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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 |

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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 | orig | Name: orig | |
| 177 | Term Client #1 | term | Name: term | |
| 179 | Term Client #1 | term2 | IP: 100.100.14.1 | |
| 178 | Term Client #2 | term2 | Name: term2 | |
| 180 | Term Client #1 | term3 | Name: term3 | |

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Name / ANI / IP:
 Tech Prefix:
 Origination:
 Orig Rate Table:
 Routing Plan:
 Tags:
 Termination:
 Term Rate Table:
 Tags:
 Client Type:
 Client:

Get Support

Now, reaching our support team has become even easier with a new **Get Support** option. By clicking on **Get Support** button (see screenshot below) in the bottom-left corner of any page you will be forwarded to the page where you can send trouble ticket by filling in the corresponding form.

Code Decks

[+ New Code Deck](#)

Rows 1 - 1 of 1 Page 1 of 1

| ID | Deck Name | Reseller | Codes | | |
|----|----------------|---------------|-------|--|--|
| 1 | DEFAULT | All Resellers | 123 | | |

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