JeraSoft Billing 3.16

In this article

JeraSoft is excited to present a new major release **3.16.0**. Our system has gone through a series of significant improvements to provide our customers with even more progressive system functional capabilities. The full list of changes is as follows:

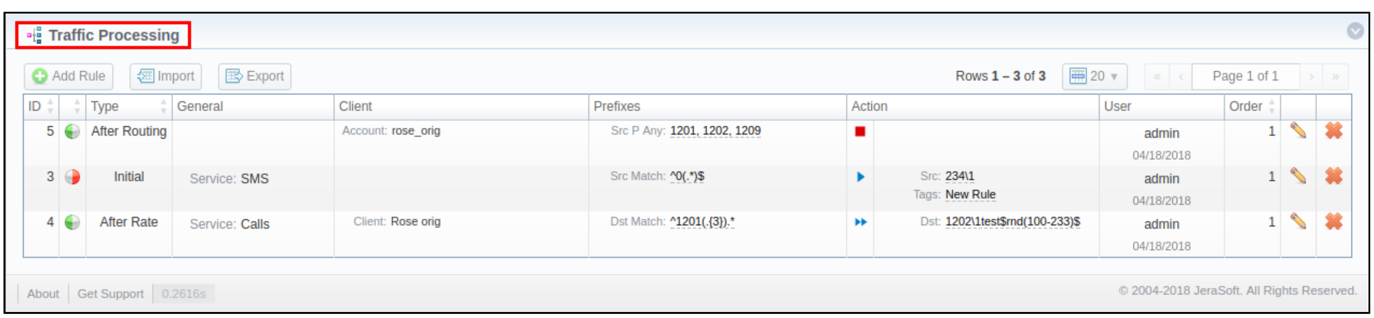
Major Updates

Traffic Processing/Preset

By far the most important change that has been made to the system regard **Traffic Processing** and **Preset** sections. As a result of considerable rework, the two sections have been merged into a single **Traffic Processing** section that included functional capabilities of two. It must be admitted that not a single feature from the sections has been removed. On the contrary, not only did it include a full range of previous functional characteristics, but also provides users with a greater freedom for personal customization of their billing. To read a detailed description of **Traffic Processing**, check out our updated User Guide article. Below, you will find only a handful of features, the new **Traffic Processing** section has to offer:

- In old **Preset** section, user could indicate both Origination and Termination clients/accounts for the same rule. ***Origin*** field in the new **Traffic Processing** section allows choosing only one side: either Origination of Termination. Therefore, while updating our clients to version **3.16.0**, for those customers who had presets for both types of clients/accounts at once, **two traffic processing rules will be created**.
- **$rnd(xxx-yyy)$** variable for ***Src/Dst Replace*** has migrated to the new section unchanged.
- Now, for LNP/MNP rules **$lnp_original_number$** variable can be used.
- To create a typical preset rule from earlier versions, in a new traffic processing creation form, user needs to choose ***After Rate*** type and ***Deny*** mode.

Screenshot: Traffic Processing section



Attention

Be advised that with **VCS 3.16.0** update, **Presets** counters in **Factors Watcher** section will be reset.

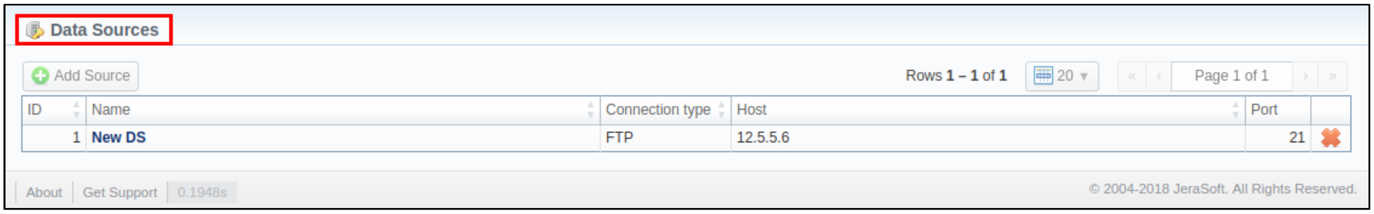
Data Sources

Another huge update in version **3.16.0** is a new Integration section - **Data Sources**. In previous VCS versions, data sources parameters, mostly regarding data import, were segmented into separate settings of the following sections:

- **Gateways** section - **Files Downloader** and ***Gateway Type*** field in Gateway settings
- **Resellers** section - **Email Rates Import Setting** in Reseller's profile
- **Rate Tables** section - **Automatic Email Import *(login/password)*** in rate tables Parameters tab

As a result, VCS user was forced to jump between sections to configure all these parameters. In **3.16.0**, these settings have been either reworked or moved to the **Data Source** section, allowing to work with them in one place. This makes it easier for a user to create and configure one data source, and then use it throughout the whole system. A detailed description of a new section can be found here.

Screenshot: Data Sources section



Management API - XML-RPC removal

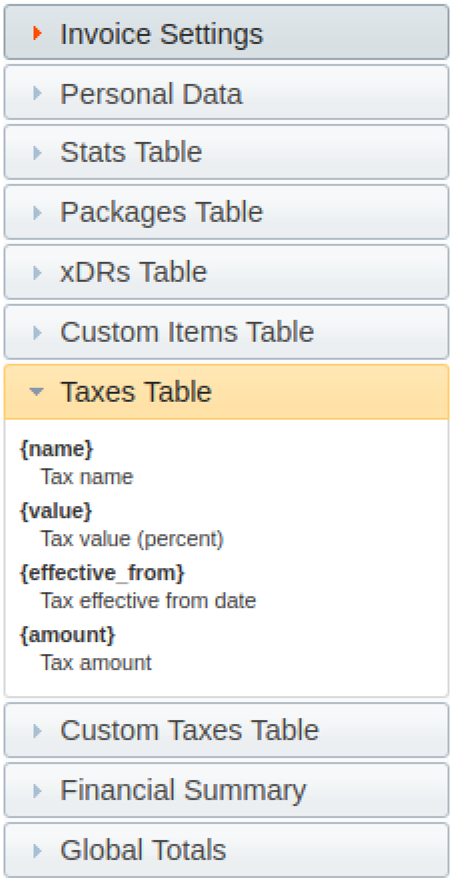
As it was announced in previous Release Notes of JeraSoft VoIP Carrier Suit, starting from this version, **XML-RPC protocol** in **Management API** has been completely removed. Currently, only **JSON-RPC** is supported.

Invoices Templates

While creating a new PDF template in **Invoices Templates** section, user can now work with a new **Taxes Table** group of functional variables to display collected taxes in an invoice. **Taxes Table** consists of the following variables:

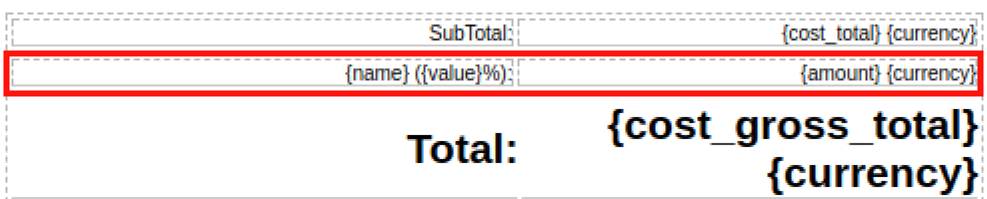
- **{name}** - Tax name
- **{value}** - Tax value in percents
- **{effective_from}** - Tax effective from date
- **{amount}** - Tax amount

Screenshot: Taxes Table



In addition, a new ***default with taxes details template*** with included **Taxes Table** functional variables (see screenshot below) has been added to **Invoices Templates** section.

Screenshot: Default with taxes details template

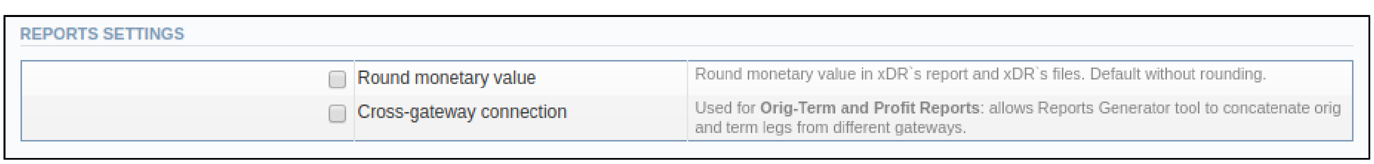


Reports Settings

In VCS 3.16.0, in **Settings** section, a new **Reports Settings** information block appeared. Currently, it consists of two checkboxes:

- ***Round monetary value*** checkbox - the checkbox has been moved from **System Settings** information block to **Reports Settings**.
- ***Cross-gateway connection*** checkbox - applies to **Orig-Term** and **Profit Reports**. When marked, it allows concatenating of orig and term records from **different** gateways by Reports Generator tool.

Screenshot: Reports Settings

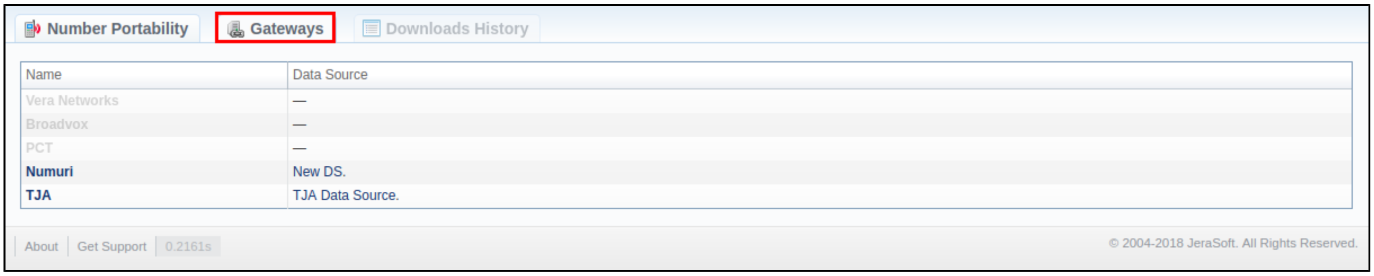


Number Portability

Number Portability section now obtained two additional tabs: **Gateways** and **Downloads History**

- **Gateway** tab contains a list of 5 standard LNP/MNP gateways with the indication of its name and assigned data source (see screenshot below).
- **Downloads History** tab displays the list of files, downloaded through LNP/MNP gateways.

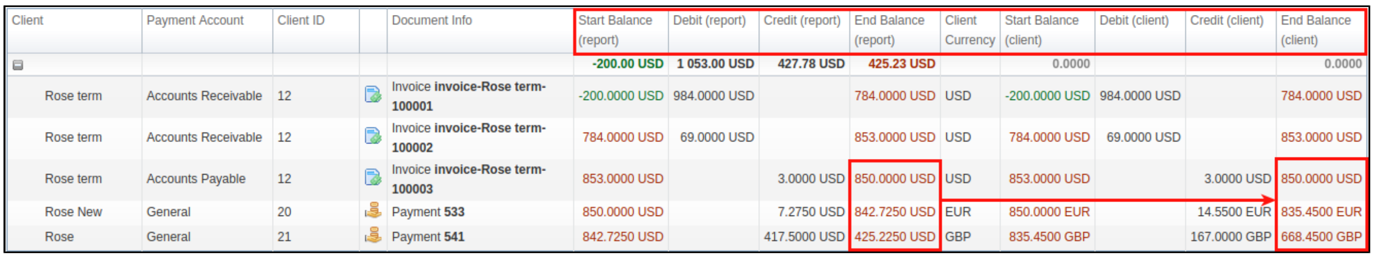
Screenshot: Gateways tab



Balance Report

Prior to **VCS 3.16.0**, if **Balance Report** currency was, for instance, **USD**, and Client's currency - **EUR**, both currencies would be displayed in 4 report columns: **Start Balance, Debit, Credit,** and **End Balance**. Now, Balance Report has doubled these columns: the first pair of columns is designed for report currency, the second one - for client's currency. Moreover, an additional **Client Currency** column has been added to the section (see screenshot below). These improvements make interpretation and analysis of report data easier and more convenient for a user.

Screenshot: Balance Report

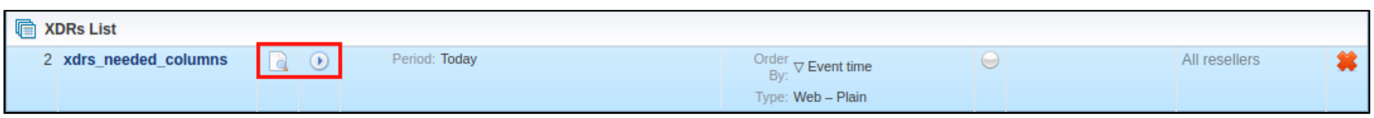


Client	Payment Account	Client ID		Document Info	Start Balance (report)	Debit (report)	Credit (report)	End Balance (report)	Client Currency	Start Balance (client)	Debit (client)	Credit (client)	End Balance (client)
					-200.00 USD	1 053.00 USD	427.78 USD	425.23 USD		0.0000			0.0000
Rose term	Accounts Receivable	12		Invoice **invoice-Rose term-100001**	-200.0000 USD	984.0000 USD		784.0000 USD	USD	-200.0000 USD	984.0000 USD		784.0000 USD
Rose term	Accounts Receivable	12		Invoice **invoice-Rose term-100002**	784.0000 USD	69.0000 USD		853.0000 USD	USD	784.0000 USD	69.0000 USD		853.0000 USD
Rose term	Accounts Payable	12		Invoice **invoice-Rose term-100003**	853.0000 USD		3.0000 USD	850.0000 USD	USD	853.0000 USD		3.0000 USD	850.0000 USD
Rose New	General	20		Payment **533**	850.0000 USD		7.2750 USD	842.7250 USD	EUR	850.0000 EUR		14.5500 EUR	835.4500 EUR
Rose	General	21		Payment **541**	842.7250 USD		417.5000 USD	425.2250 USD	GBP	835.4500 GBP		167.0000 GBP	668.4500 GBP

Report Templates

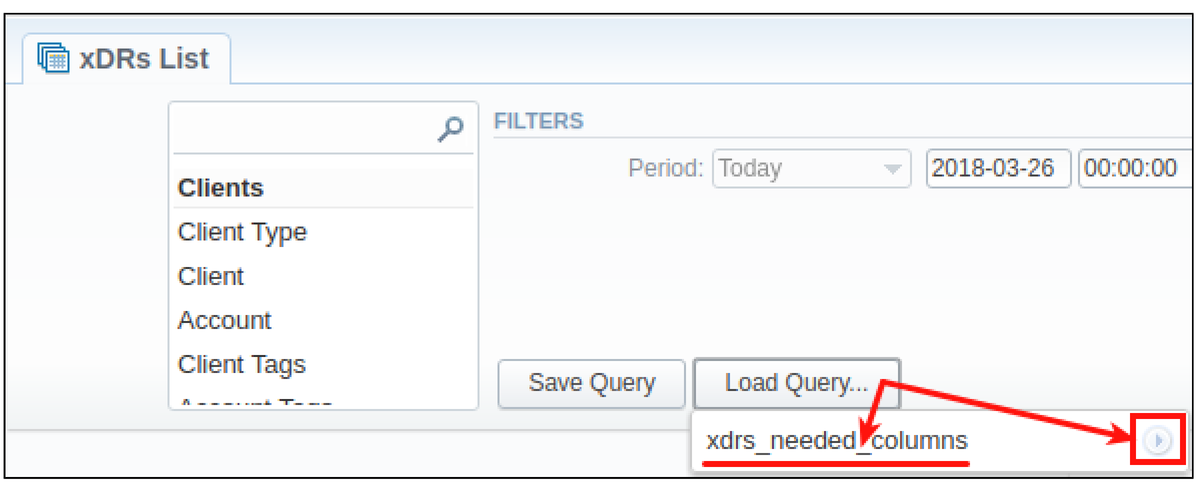
In this version, **Report Templates** and **Load Query** button have been reworked to increase its functional versatility. You can now choose whether you wish to view report template by pressing icon, or to run it with icon.

Screenshot: Report Templates section



The identical functionality has been added to **Load Query** button in all reports sections. Now, by pressing the button, you'll be displayed a drop-down list of all available report templates with icon opposite each of it. To view report template, click on a respective name on the list; to execute it - click on corresponding icon.

Screenshot: Load Query button



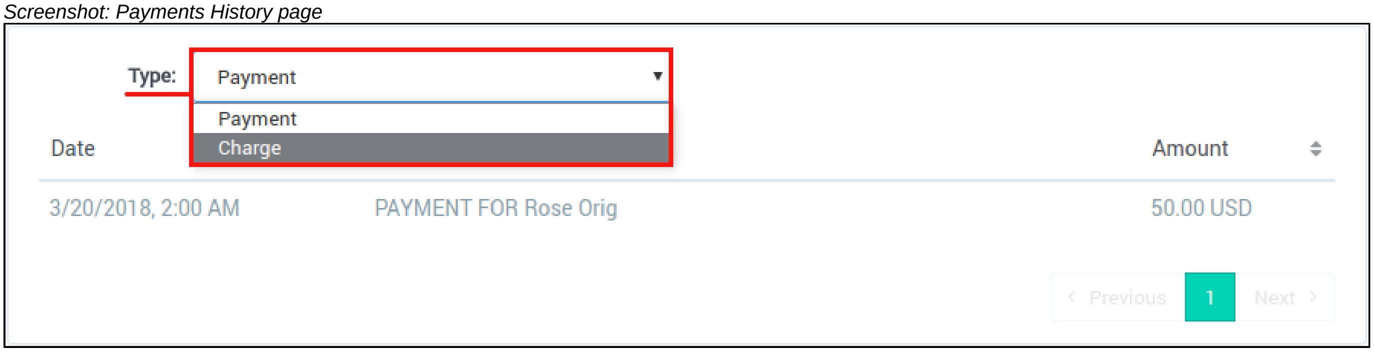
Client Panel

- Now, when logging into **Client Panel**, user can **choose interface language** from a drop-down list.

Screenshot: Login Page

- Previously, on **Payments History** page of **Client Panel,** user could review only transactions with **payments** type. Now, user can choose from the drop-down list whether **payments** or **charges** must be displayed on a page.

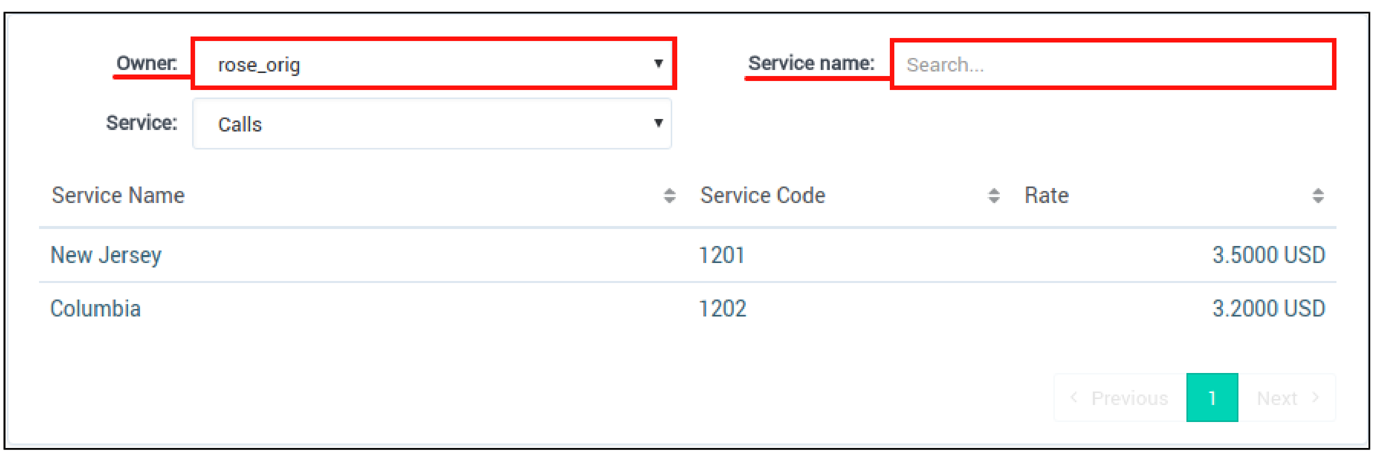
Screenshot: Payments History page



- Two features have been added to **Rates** page of **Client Panel**:

  1. Now, you can choose a target account from a drop-down list of all your accounts in **Owner** field. Therefore, a respective rate table will be displayed.
  2. In ***Service Name*** field, you can filter rate table data not only by **Service Name**, but also by respective **Service Code**.

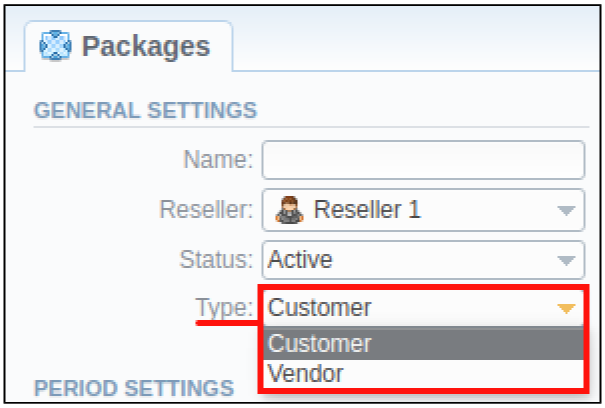
Screenshot: Rates page



Packages

- While creating a new package, you can define its type in ***Type*** field:
  - **Customer** - this type indicates that services are provided to customers by user's company.
  - **Vendor** - this type indicates that services are provided to user's company by vendors.

Screenshot: Type field



Minor Updates

Roles

In the newest version, a set of roles permissions in **Roles** section has been slighly expanded. Now, ***Billing data*** checkbox is available not only for **Summar** and **Orig-Term** Reports, but for **xDRs List** and **Routing Analysis** as well. When **unchecked**, the above-mention reports upon generation **won't contain** any financial data: ***rates, taxes, profit, etc***.

Rate Tables

- On the second step of rates import, in **Import Settings** with enabled **AZ mode**, user now can set a **negative *AZ interval (days)*** field value in order to close active rates with a **past date**.

Screenshot: Import Settings

- Earlier, during rate import, if ***Notes*** field contained any markers, specified in ***Close rates marked by*** field of **Settings** section, such rate would be closed. In **VCS 3.16.0**, this feature has been added to ***Rate*** field as well.

CoreAPI

When receiving **xDRs report response** through CoreAPI, three additional columns have been added:

- ***src_party_id***
- ***rate_total***
- ***custom***

Parameters rendering in batch requests removed
For the purpose of complying with JSON-RPC 2.0 specification, we have deprecated previously existent feature of parameters rendering within batch requests. There is a very little chance that this change may affect you except if you've used CoreAPI integration with batch requests and **{$0.x.y.z}** syntax for substitution of the parameters.

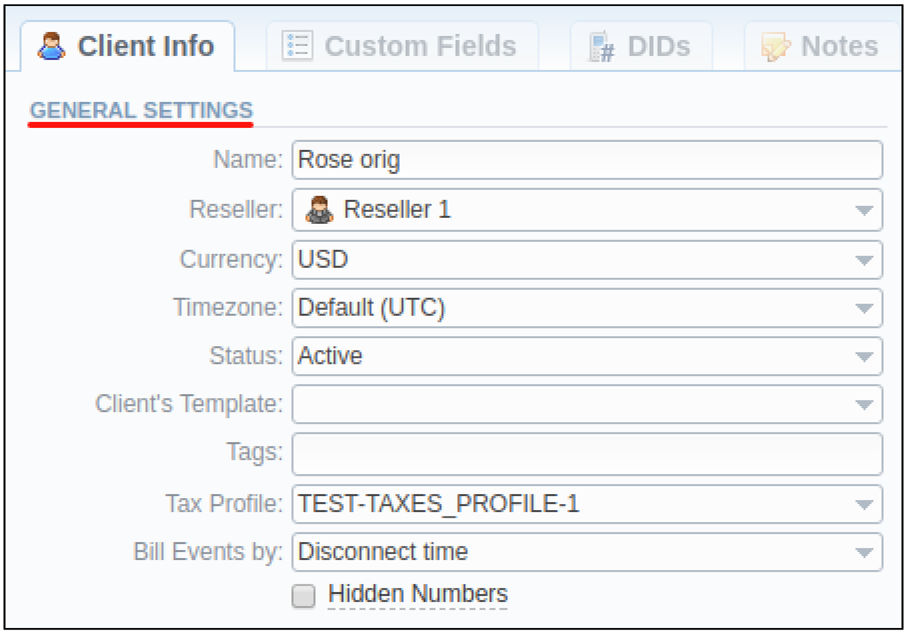
Provisioning API

In order to prevent performance degradation and data inconsistency, affected by external side, **Before** event type has been deprecated from **Provisioning API** section. With an unpdate to the latest version, all existing clients' handlers with **Before** event type will be substituted by identical handlers with **After** event type instead.

Clients

System Inforamation information block in client's profile has been renamed to **General Settings** for a higher convenience.

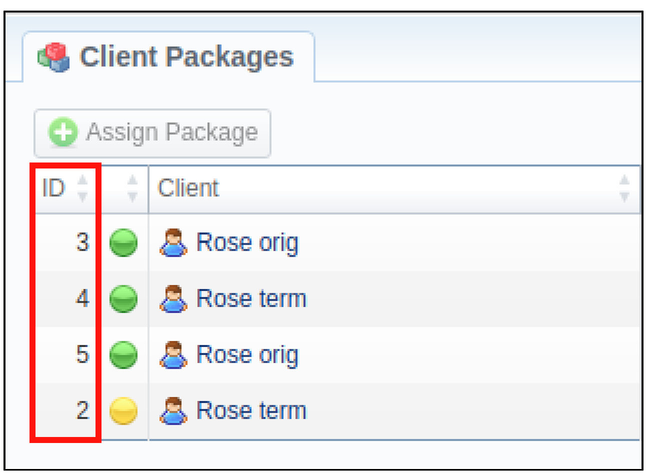
Screenshot: Client's profile



Clients Packages

To facilitate user's experience in the **Clients Packages** section, a new ***ID*** field has been added.

Screenshot: ID field



Archive Management

A range of improvements has been added to the system for the sake of speeding up **Archive Management** page rendering.

Routing Analysis

Service field in **Routing Analysis** section is now mandatory. We advise our customers to check if this field is specified in their **Reports Templates** to avoid any possible issues.