

# Swap Deals

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### Section overview

The **Swap Deals** section has been created since version 3.20 of the JeraSoft Billing. Its purpose is to comprise all the bilateral agreements for further monitoring and analysis. The section is presented as a table like the one below:

Screenshot: *Swap Deals* section

Swap Deals

New Swap Deal

Rows 1 – 2 of 2

20

Page 1 of 1

| ID | Name        | Status     | Period                  | Forecast Date | Live Profit   | Progress       | Client                     |
|----|-------------|------------|-------------------------|---------------|---------------|----------------|----------------------------|
| 2  | Swap Deal   | In-process | 11/01/2019 – 12/31/2019 | 10/29/2019    | 30 855.00 USD | <div>60%</div> | Test Client   Test Account |
| 3  | swap deal 2 | archive    | 11/28/2019 – 12/13/2019 | —             | 0.00 USD      |                | Test Client   Test Account |

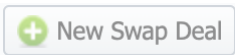
About

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| Column Name   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID            | ID of the Swap Deal                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alert         | This column is showing whether the Swap Deal goes as planned. If the current traffic speed is insufficient to close the deal as planned, there will be a  icon to let you know.                                                                                                                                                                                                  |
| Name          | Name of the Swap Deal                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Status        | The deal's status. It can be either one of the following: <ul style="list-style-type: none"><li>▪ <b>pending</b> - the Swap Deal's start day is in the future</li><li>▪ <b>in process</b> - meaning the Swap Deal is in process of completing</li><li>▪ <b>archive</b> - inactive Swap Deal</li><li>▪ <b>success</b> - the result status after the success deal's completion</li><li>▪ <b>fail</b> - the result status after the failed deal's completion</li></ul> |
| Period        | Period of the Swap Deal                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Forecast Date | The forecasted date of the Swap Deal completion with the current speed                                                                                                                                                                                                                                                                                                                                                                                              |
| Live Profit   | The sum of inbound and outbound live revenue                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Progress      | The progress bar for the Swap Deal, shows the percentage of completion                                                                                                                                                                                                                                                                                                                                                                                              |
| Client        | The Client's name and its Account, with whom the deal was agreed                                                                                                                                                                                                                                                                                                                                                                                                    |

Functional buttons and icons, presented in the section, are as follows:

| Button/Icon                                                                         | Description                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------|
|  | Allows adding a new Swap Deal to the system |
|  | Allows editing a Swap Deal                  |
|  | Allows deleting a Swap Deal from the system |

## Adding a New Swap Deal

To add a new swap deal, click the **Add Swap Deal** button and define the respective values in a pop-up window:

Screenshot: Adding a New Swap Deal

Swap Deals

GENERAL

Name:

Status:

Active

Currency:

USD

Client:

Account:

PERIOD SETTINGS

Period:

day(s)

Start Date:

OK

Cancel

Apply

| Field           |            | Description                                                                                                                          |
|-----------------|------------|--------------------------------------------------------------------------------------------------------------------------------------|
| General         | Name       | Define the name for the Swap Deal                                                                                                    |
|                 | Status     | Specify the Swap Deal status. There are two options: <ul style="list-style-type: none"><li>active</li><li>archive</li></ul>          |
|                 | Currency   | Specify the Swap Deal currency                                                                                                       |
|                 | Client     | Select the Client for the current Swap Deal <div>Note that the <b>Client</b> and <b>Account</b> fields are mutually exclusive.</div> |
|                 | Account    | Select the Account for the current Swap Deal                                                                                         |
| Period Settings | Period     | Indicate a period in days or months for this Swap Deal                                                                               |
|                 | Start Date | Indicate a start date for this Swap Deal                                                                                             |

## Items List tab

Inside of the Swap Deal entity, there are **Items** - the agreements on traffic volumes and pricing per destination. The Items are in the **Items List** tab of the current Swap Deal. This tab looks like this:

Screenshot: Items List tab

Items List

Edit Swap Deal

Swap Deal

GENERAL

Client: **Test Client** | Test Account

Period: 11/01/2019 – 12/01/2019

Update Time: 11/10/2019 00:00:00 +0000

Status: **In Process**

PROFIT

Planned: 44 800.00 USD

Live: **29 984.00 USD**

Sales: 29 984.00 USD

Margin: 6 060.00 USD

INBOUND

Planned: 50 000.00 USD

Live: 26 500.00 USD

Forecast: **12/01/2019**

Progress: 

53%

OUTBOUND

Planned: -5 200.00 USD

Live: **-3 484.00 USD**

Forecast: 11/30/2019

Progress: 

67%

ITEMS

New Item

| ID | Destination | Rate                    | Volume                         | Revenue                        | Sales Revenue | Run Rate                           | Progress |  |  |
|----|-------------|-------------------------|--------------------------------|--------------------------------|---------------|------------------------------------|----------|--|--|
| 1  | CN: USA     | 0.4000 USD   0.5000 USD | 8 710.00 min of 13 000.00 min  | 4 355.00 USD of 5 200.00 USD   | 4 355.00 USD  | 230.00 min   214.50 min            | 67%      |  |  |
| 2  | CN: UK      | 1.0000 USD   1.1000 USD | 26 500.00 min of 50 000.00 min | 26 500.00 USD of 50 000.00 USD | 29 150.00 USD | <b>1 085.00 min</b>   1 175.00 min | 53%      |  |  |

| Field   |             | Description                                                                                 |
|---------|-------------|---------------------------------------------------------------------------------------------|
| General | Client      | Displays the Client and its Account, with whom the deal was agreed upon                     |
|         | Period      | Shows the period for the current Swap Deal                                                  |
|         | Update Time | Last time the system renewed information for this Swap Deal according to current statistics |
|         | Status      | Displays the current Swap Deal status                                                       |

|                 |                      |                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Profit</b>   | <b>Planned</b>       | The sum of inbound and outbound planned revenue                                                                                                                                                                                                                                                                                                                 |
|                 | <b>Live</b>          | The sum of inbound and outbound live revenue                                                                                                                                                                                                                                                                                                                    |
|                 | <b>Sales</b>         | Shows profit according to current statistics and sales rates <div> <i>Counted like</i><br/> <math display="block">\text{sales profit} = \text{inbound sales revenue} + \text{outbound sales revenue}</math> <p>where inbound sales revenue is a sum of all inbound items' sales revenue and outbound sales revenue is a sum of outbound respectively</p> </div> |
|                 | <b>Margin</b>        | Indicates the Swap Deal efficiency <div> <i>Counted like</i><br/> <math display="block">\text{margin} = \text{live profit} - \text{sales profit}</math> </div>                                                                                                                                                                                                  |
| <b>Inbound</b>  | <b>Planned</b>       | Planned inbound revenue based on Swap Deal volume and price                                                                                                                                                                                                                                                                                                     |
|                 | <b>Live</b>          | Current inbound revenue according to the statistics within the Swap Deal                                                                                                                                                                                                                                                                                        |
|                 | <b>Forecast</b>      | Forecasted end date with current speed (concerning inbound traffic)                                                                                                                                                                                                                                                                                             |
|                 | <b>Progress</b>      | Progress bar based on current inbound traffic                                                                                                                                                                                                                                                                                                                   |
| <b>Outbound</b> | <b>Planned</b>       | Planned outbound revenue based on Swap Deal volume and price                                                                                                                                                                                                                                                                                                    |
|                 | <b>Live</b>          | Current outbound revenue according to the statistics within the Swap Deal                                                                                                                                                                                                                                                                                       |
|                 | <b>Forecast</b>      | Forecasted end date with current speed (concerning outbound traffic)                                                                                                                                                                                                                                                                                            |
|                 | <b>Progress</b>      | Progress bar based on current outbound traffic                                                                                                                                                                                                                                                                                                                  |
| <b>Items</b>    | <b>ID</b>            | ID of the Item                                                                                                                                                                                                                                                                                                                                                  |
|                 | <b>Direction</b>     | Item's direction: <ul style="list-style-type: none"> <li> for inbound traffic;</li> <li> for outbound traffic.</li> </ul>                                                                 |
|                 | <b>Destination</b>   | Dst Code or Code Name                                                                                                                                                                                                                                                                                                                                           |
|                 | <b>Rate</b>          | Indicates the Swap Deal rate (first) and average sales rate (second) for the destination                                                                                                                                                                                                                                                                        |
|                 | <b>Volume, min</b>   | Shows how much traffic from the planned amount is currently within the Swap Deal (Live Volume   Planned Volume)                                                                                                                                                                                                                                                 |
|                 | <b>Revenue</b>       | Shows how much you earned on a specific destination within the Swap Deal from the planned amount (Live Revenue   Planned Revenue)                                                                                                                                                                                                                               |
|                 | <b>Sales Revenue</b> | Shows how much you would have earned on a specific destination without a Swap Deal agreement <div> <i>Counted like</i><br/> <math display="block">\text{sales revenue} = \text{live volume} * \text{sales rate}</math> </div>                                                                                                                                   |
|                 | <b>Alert</b>         | Shows whether the Item's progress goes as planned. If the current traffic speed is insufficient to close the deal as planned, there will be a  icon.                                                                                                                         |
|                 | <b>Run Rate, min</b> | Current speed of filling out the Swap Deal as per this Item (the first is the actual Run Rate, the second is the Required Run Rate)                                                                                                                                                                                                                             |
|                 | <b>Progress, %</b>   | Item's progress                                                                                                                                                                                                                                                                                                                                                 |

Edit Swap Deal tab

To edit the Swap Deal details, there is an Edit Swap Deal tab available. It has the following outlook:

Screenshot: Edit Swap Deal tab

Items List

Edit Swap Deal

Swap Deal

GENERAL

Name: Swap Deal

Status: Active

Currency: USD

Client:

Account: Test Client: Test Account

PERIOD SETTINGS

Period: 30 day(s) | 12/29/2019

Start Date: 2019-11-01

OK

Cancel

Apply

Adding a New Item

To add a new item to the swap deal, click the 

+ New Item

 button in the **Items List** tab and define the respective values in a pop-up window:

Screenshot: Adding a New Item

Swap Deals

Swap Deal

GENERAL

Direction: Outbound

Volume: 50000

Code:

Code Name: UK

RATING

Rate: 1

Sales Rate: 1.1

Service: Calls

OK

Cancel

Apply

| Field   |            | Description                                                                                             |
|---------|------------|---------------------------------------------------------------------------------------------------------|
| General | Direction  | Specify the traffic direction: <ul style="list-style-type: none"><li>Inbound</li><li>Outbound</li></ul> |
|         | Volume     | Indicate an expected volume for the swap deal item.                                                     |
|         | Code       | Indicate a code of the item. <div>Note that the Code and Code Name fields are mutually exclusive.</div> |
|         | Code Name  | Indicate a code name of the item.                                                                       |
| Rating  | Rate       | Indicate a rate that you agreed upon with your partner.                                                 |
|         | Sales Rate | Specify an average rate that would be applied if not for the swap deal.                                 |
|         | Service    | Select a service for this swap deal (calls, SMS, data).                                                 |

## Swap Deals' in-system functioning

Swap Deals work within the billing system using the information on rates and current statistics. There is a separate service in **System Task Scheduler** section - **Swap Deals Manager**. This service updates each Swap Deal's statistics maximum once an hour. It monitors the current statistics and updates the Swap Deal information putting a timestamp of the latest changes to the **Update Time** field in the **General** section of an **Items List** tab.

If the Swap Deals Manager detects during its analysis that any item in a swap deal is performing not as expected, it will generate an alert to **System**

**Events Log**. Such alerts are sent at a frequency of maximum once in 4 hours. Apart from that, you will see an alert  icon in the Swap Deals section of the web interface.

From Events Log, you can configure it so that Swap Deals alerts will be sent to your mailbox upon occurrence. Learn more about how to set this up in the [Events Log](#) article.