

Routing Plans

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Section overview

The **Routing Plans** section is available if your JeraSoft VCS includes the **Routing Module**. To access *Routing Plans* section, please log in to your system and go to **Routing > Routing Plans**.

This section allows to manage your routing rules for customers, providers and destinations. Each routing plan should be assigned to a respective customer (originator) for proper work of the routing process.

You can combine both routing rules (**dynamic** and **static**) while creating a routing plan, also assign separate rules to each destination. Here you can find a list of created routing plans.

Screenshot: *Routing Plans* section

ID	Name	Reseller	Code Deck	Rules Hunting	DR Order	Rules		
5	DR: Complex LCR	Reseller 1	—	longest only	by code / appeal	1		
4	DR: Complex Quality	Reseller 1	—	longest only	by code / appeal	1		
6	DR: DID + Simple LCR	Reseller 1	—	longest only	by code / appeal	2		
3	DR: Proportional	Reseller 1	—	longest only	by code / appeal	1		
2	DR: Simple LCR	Reseller 1	—	longest only	by code / appeal	1		
1	DR: Simple Quality	Reseller 1	—	longest only	by code / appeal	1		
7	Routing Plan	Reseller 1	DEFAULT	longest only	by code / appeal	2		

Column	Description
ID	ID number of a routing plan
Name	Name of a routing plan
Reseller	Name of a reseller, a corresponding routing plan has been assigned to as owner
Code Deck	Name of code deck that has been applied to a corresponding routing plan
Rules Hunting	A respective hunting rule that has been applied to a routing plan
DR Order	A name of dynamic routing order that has been selected to organize routing rules
Rules	An amount of rules specified in a respective routing plan

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

Button/Icon	Description
	Allows to create a new routing plan
	Allows to copy an existing routing plan to the section

Advanced Search

In the top right corner of the section above the table, an **Advanced Search** drop-down menu is located. By clicking on a blue downwards arrow icon, a drop-down menu with the following structure is displayed:

Screenshot: Advanced Search drop-down menu

Field	Description
Reseller	Select from the list of all Resellers, Sub-resellers and Managers registered in the system
Allowed for	Select from the list of all Resellers, Sub-resellers and Managers that are assigned to a routing plan in the Origination Limit field
Code Deck	Select from the list of all Code Decks in the system
Tags	Specify a certain Tag that was added to a routing plan
Additional DR Plan	Select a routing plan that was assigned as an additional in the Additional Routing Plan field
TERM Client	Specify a termination client that was assigned to any routing plan rule

To apply the specified search criteria, click the **Search** button; to cancel the applied parameters, click the **Reset** button.

Adding a New Routing Plan

To create a new routing plan, click the **New Routing Plan** button, and fill in the following fields in the pop-up window.

Screenshot: Routing Plans window

Information Block	Fields Description

General Information	General routing plan information	
	Name	Title of a routing plan
	Reseller	Define the reseller/owner of a current routing plan
	Additional Routing Plan	Specify a DR plan, which will be additional for a current plan
	Code Deck	Select a Code Deck if you wish to have names of your code to be specified in the Code Name field
	Origination Limits	Define the company or companies, which will have access to this routing plan (also this restriction will be extended to their sub-companies). If there is no specified company, the following routing plan is available for all companies.
	Termination Limits	Select the company or companies, which will have a limit in termination for vendors who use it (sub-companies are not included)
	Routing Loop Protection checkbox	Excludes originating client from the list of terminators. If it is unchecked, it will be possible to route calls between different accounts of the same client. It is enabled by default.
Rules Processing	Options of rules processing	
	Rules Hunting	Select a hunting mode (the way how rules will be executed). They are as follows: <ul style="list-style-type: none"> • longest only – routing will find only the longest matching code • all matching – all possible matches will be found, including even the shortest codes By default, the longest only option is set.
	DR Order	Specify a method of routes sorting in a routing table. The options are: <ul style="list-style-type: none"> • by appeal/code – routes will be sorted according to their resulting appeal value and then grouped by codes • by code/appeal – routes will be grouped by codes and then sorted by appeal value By default, the by code/appeal option is set.
	PM	Define a Profit Margin value for a current rule here. It can be specified either as a percent value (e.g., 16%), or in a system currency (e.g., 5 for 5 USD).
	Vendor Limit	Determine the number of allowed routes for the same vendor to use (if a vendor has multiple accounts). You can set the limit only for accepted account routes , not including the accounts blocked by the term groups. If the field is left empty, the number is unlimited.

 **Attention**

Please note that the **Origination Limit** and **Termination Limit** fields are visible only during:

- new routing plan creation;
- editing of already created routing plan if a specified *Reseller* of this routing plan has **at least one sub-reseller or manager**.

Routing Rules tab

Once a routing plan has been created, routing rules are to be determined (see screenshot below). To do that, click on a routing plan's name and you will enter **Routing Rules** tab, then, click the **Add rule** button and fill in the following fields:

Screenshot: *Routing Rules tab*

Routing Rules Import / Export Routing Plan DR: Complex LCR Search...

+ add rule Rows 1 - 1 of 1 20 Page 1 of 1

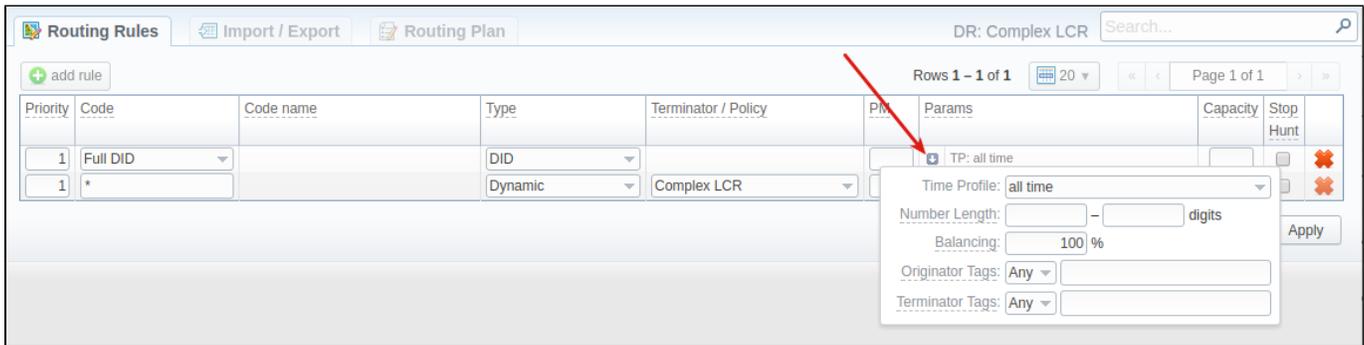
Priority	Code	Code name	Type	Terminator / Policy	PM	Params	Capacity	Stop Hunt
1	*		Dynamic	Complex LCR		TP: all time		<input type="checkbox"/>

OK Cancel Apply

Field	Description						
Priority	Define a priority of rule execution if two or more rules have similar code or code name specified						
Code	<p>Enter a code, which will be used in a current routing rule, use * as wildcard.</p> <p>If a DID type for a current routing rule is selected, you may specify a code:</p> <ul style="list-style-type: none"> Any destination – rules with longer codes will be ahead of a DID route, possibly leaving it out entirely if the longest only mode is used (* wildcard will be used as a DID code) Full DID – a DID route will always be the first route (an entire DID number will be used as a code) <p>By default, the Full DID option is selected.</p>						
Code Name	If you have a code deck assigned to this routing plan, a corresponding code name, specified in the Code field, will be displayed automatically. If no code deck is attached, the field will remain empty.						
Type	<p>Select a type of routing for a current rule:</p> <ul style="list-style-type: none"> Static Client - if selected, in the Terminator/Policy field you can specify a certain termination client Static Account - if selected, in the Terminator/Policy field you can specify a certain termination account of a client Dynamic - if selected, in the Terminator/Policy field you can specify a certain dynamic policy for the rule DID - if selected, the Terminator/Policy field becomes inactive, and the Code field is automatically changed to Full DID 						
Terminator/Policy	If you selected static type, you may specify a termination client/account here; if you selected dynamic type, specify routing policy for the current rule						
PM	<p>Define a <i>Profit Margin</i> value for a current rule here.</p> <p>Attention</p> <p>If the PM field has been specified both for the entire routing plan and for a certain rule, the latter has a higher priority.</p>						
Params	<p>A number of additional parameters available by clicking the  icon (see screenshot below)</p> <table border="1"> <tbody> <tr> <td>Time Profile</td> <td>Specify a time profile from the list</td> </tr> <tr> <td>Number Length</td> <td>Set minimum and maximum length of destination number that will be matched by this routing rule</td> </tr> <tr> <td>Balancing</td> <td> <p>Define percentage or proportion amount of traffic, which will be sent to a respective vendor who participates in balancing</p> <p>Attention</p> <p>Please note that after changing <i>balancing value</i>, it is needed to restart SIP and/or RADIUS daemons.</p> </td> </tr> </tbody> </table>	Time Profile	Specify a time profile from the list	Number Length	Set minimum and maximum length of destination number that will be matched by this routing rule	Balancing	<p>Define percentage or proportion amount of traffic, which will be sent to a respective vendor who participates in balancing</p> <p>Attention</p> <p>Please note that after changing <i>balancing value</i>, it is needed to restart SIP and/or RADIUS daemons.</p>
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	<ul style="list-style-type: none"> Originator Tags You can specify respective originator tags here. If nothing is specified, it works for all. all - applies for originators if all specified tags are present. any - applies for originators if at least one of the specified tags is presented.
	<ul style="list-style-type: none"> Terminator Tags Here you can add terminator tags that that will be used for terminators. If nothing is indicated, it works only for terminators without tags. Please note, this parameter is available only for dynamic rules
Capacity	Limit capacity for the current rule (leave blank for unlimited)
Stop Hunt checkbox	If this field is checked, this means that rule search will be stopped when matched with the current one and all the consecutive rules will not be executed for a current call

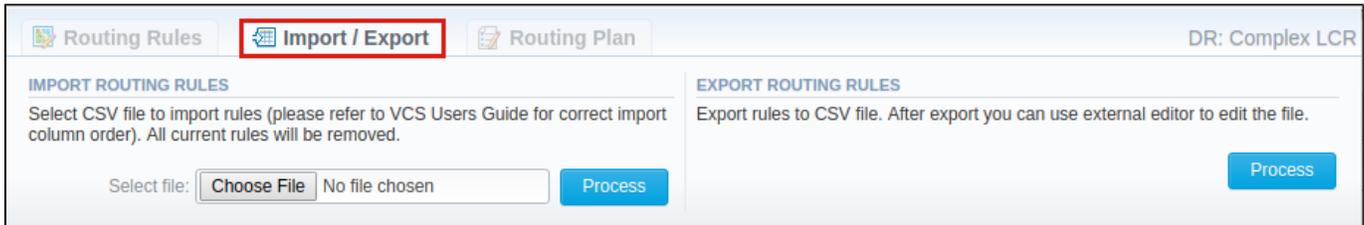
Screenshot: Routing rules settings



Import/Export tab

The Import/Export tab allows a user to either upload desired routing rules (choose a file on a computer through a form and click **Process**), or download current routing plan rules in a .csv file by clicking the **Process** button (see screenshot).

Screenshot: Import/Export tab



Please pay attention that the column order in importing file must correspond to the one presented on the screenshot below.

Screenshot: Importing file format

Code	Code name	Priority	Type	Client	Account	Policy	PM	Time Profile	Number length min	Number length max	Balancing	Originator Tags	Terminator Tags	Capacity	Stop Hunt
1268*		1	Static	Vendor Figaro				all time			100				
7		1	Dynamic			Simple LCR		all time			100				
1758*		1	Static	Vendor Lotos				all time			100				
1		1	Static	Vendor Figaro			5%	all time		15	70				
1		1	Static	Vendor Lotos				all time			30				
1		2	Dynamic			Simple Quality		all time			100	origination group 1	Termination group		
*		2	Dynamic			Simple LCR		all time			100				
2		1	Static	Vendor Figaro				all time			50	origination group 2			
3		1	Static	Vendor Profit				all time			100				
4		1	Static	Vega DID_provider				all time			100				

Attention

After all info has been entered and rules created, you need to go to **Management > Clients/Accounts** sections and assign this routing plan to one or more of your origination clients or client's accounts.

Routing Plan

If you wish to change your routing plan settings, you can always do so by going to the Routing Plan tab. The list of fields in a tab is identical to that on a routing plan creation page (see screenshot below).

Screenshot: Routing Plan tab

The screenshot displays the 'Routing Plan' configuration window for 'DR: Complex LCR'. It features two main sections: 'GENERAL INFORMATION' and 'RULES PROCESSING'. The 'GENERAL INFORMATION' section includes fields for Name (DR: Complex LCR), Reseller (Reseller 1), Additional Routing Plan, Code Deck, Origination Limit, and Termination Limit, along with a checked 'Routing loop protection' checkbox. The 'RULES PROCESSING' section includes dropdowns for Rules Hunting (longest only) and DR Order (by code / appeal), a PM field set to 0 [USD / %], and a Vendor Limit field. At the bottom right, there are 'OK', 'Cancel', and 'Apply' buttons.

Knowledge Base Articles

Error rendering macro 'contentbylabel'

parameters should not be empty