

## 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*
















**Routing Plans**

 New Routing Plan

Rows 1 – 7 of 7
 

 20

« ‹
 Page 1 of 1
 › »

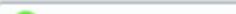

ID	Name	Reseller	Code Deck	Rules Hunting	DR Order	Rules		
5	DR: Complex LCR	Reseller 1	—	longest only	by code / appeal	1		
4	DR: Complex Quality	Reseller 1	—	longest only	by code / appeal	1		
6	DR: DID + Simple LCR	Reseller 1	—	longest only	by code / appeal	2		
3	DR: Proportional	Reseller 1	—	longest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

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

Reseller: 

all resellers

Allowed for: 

all resellers

Code Deck:

Tags:

Additional DR plan:

TERM Client:

Reset

Search

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 <b>Origination Limit</b> 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 <b>Additional Routing Plan</b> 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

Routing Plans

GENERAL INFORMATION

Name:

New Routing Plan

Reseller:

Reseller 1

Additional Routing Plan:

Routing Plan 

×

Code Deck:

DEFAULT

Origination Limit:

Termination Limit:

☒ Routing loop protection

RULES PROCESSING

Rules Hunting:

longest only

DR Order:

by code / appeal

PM:

0 [USD / %]

Vendor Limit:

OK

Cancel

Apply

Information Block	Fields Description
-------------------	--------------------

<b>General Information</b>	General routing plan information	
	<b>Name</b>	Title of a routing plan
	<b>Reseller</b>	Define the reseller/owner of a current routing plan
	<b>Additional Routing Plan</b>	Specify a DR plan, which will be additional for a current plan
	<b>Code Deck</b>	Select a Code Deck if you wish to have names of your code to be specified in the <b>Code Name</b> field
	<b>Origination Limits</b>	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.
	<b>Termination Limits</b>	Select the company or companies, which will have a limit in termination for vendors who use it (sub-companies are not included)
	<b>Routing Loop Protection</b> 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 <b>enabled</b> by default.
<b>Rules Processing</b>	Options of rules processing	
	<b>Rules Hunting</b>	Select a hunting mode (the way how rules will be executed). They are as follows: <ul style="list-style-type: none"> <li>• <b>longest only</b> – routing will find only the longest matching code</li> <li>• <b>all matching</b> – all possible matches will be found, including even the shortest codes</li> </ul> By default, the <b>longest only</b> option is set.
	<b>DR Order</b>	Specify a method of routes sorting in a routing table. The options are: <ul style="list-style-type: none"> <li>• <b>by appeal/code</b> – routes will be sorted according to their resulting appeal value and then grouped by codes</li> <li>• <b>by code/appeal</b> – routes will be grouped by codes and then sorted by appeal value</li> </ul> By default, the <b>by code/appeal</b> option is set.
	<b>PM</b>	Define a Profit Margin value for a current rule here. It can be specified either as a percent value (e.g., <b>16%</b> ), or in a system currency (e.g., <b>5</b> for <b>5 USD</b> ).
	<b>Vendor Limit</b>	Determine the number of allowed routes for the same vendor to use (if a vendor has multiple accounts). You can set the <b>limit only for accepted account routes</b> , 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		

OK

Cancel

Apply

Field	Description						
<b>Priority</b>	Define a priority of rule execution if two or more rules have similar code or code name specified						
<b>Code</b>	<p>Enter a code, which will be used in a current routing rule, use * as wildcard.</p> <p>If a <b>DID type</b> for a current routing rule is selected, you may specify a <b>code</b>:</p> <ul style="list-style-type: none"> <li><b>Any destination</b> – rules with longer codes will be ahead of a DID route, possibly leaving it out entirely if the <b>longest only</b> mode is used ( * wildcard will be used as a DID code)</li> <li><b>Full DID</b> – a DID route will always be the first route (an entire DID number will be used as a code)</li> </ul> <p>By default, the <b>Full DID</b> option is selected.</p>						
<b>Code Name</b>	If you have a code deck assigned to this routing plan, a corresponding code name, specified in the <b>Code</b> field, will be displayed automatically. If no code deck is attached, the field will remain empty.						
<b>Type</b>	<p>Select a type of routing for a current rule:</p> <ul style="list-style-type: none"> <li><b>Static Client</b> - if selected, in the <b>Terminator/Policy</b> field you can specify a certain termination client</li> <li><b>Static Account</b> - if selected, in the <b>Terminator/Policy</b> field you can specify a certain termination account of a client</li> <li><b>Dynamic</b> - if selected, in the <b>Terminator/Policy</b> field you can specify a certain dynamic policy for the rule</li> <li><b>DID</b> - if selected, the <b>Terminator/Policy</b> field becomes inactive, and the <b>Code</b> field is automatically changed to <b>Full DID</b></li> </ul>						
<b>Terminator/Policy</b>	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						
<b>PM</b>	<p>Define a <i>Profit Margin</i> value for a current rule here.</p> <div> <b>Attention</b> </div> <p>If the <b>PM</b> field has been specified both for the entire routing plan and for a certain rule, <b>the latter has a higher priority</b>.</p>						
<b>Params</b>	<p>A number of additional parameters available by clicking the  icon (see screenshot below)</p> <table> <tr> <td> <ul style="list-style-type: none"> <li><b>Time Profile</b></li> </ul> </td><td>Specify a time profile from the list</td></tr> <tr> <td> <ul style="list-style-type: none"> <li><b>Number Length</b></li> </ul> </td><td>Set <b>minimum</b> and <b>maximum</b> length of destination number that will be matched by this routing rule</td></tr> <tr> <td> <ul style="list-style-type: none"> <li><b>Balancing</b></li> </ul> </td><td> <p>Define percentage or proportion amount of traffic, which will be sent to a respective vendor who participates in balancing</p> <div> <b>Attention</b> </div> <p>Please note that after changing <i>balancing value</i>, it is needed to restart SIP and/or RADIUS daemons.</p> </td></tr> </table>	<ul style="list-style-type: none"> <li><b>Time Profile</b></li> </ul>	Specify a time profile from the list	<ul style="list-style-type: none"> <li><b>Number Length</b></li> </ul>	Set <b>minimum</b> and <b>maximum</b> length of destination number that will be matched by this routing rule	<ul style="list-style-type: none"> <li><b>Balancing</b></li> </ul>	<p>Define percentage or proportion amount of traffic, which will be sent to a respective vendor who participates in balancing</p> <div> <b>Attention</b> </div> <p>Please note that after changing <i>balancing value</i>, it is needed to restart SIP and/or RADIUS daemons.</p>
<ul style="list-style-type: none"> <li><b>Time Profile</b></li> </ul>	Specify a time profile from the list						
<ul style="list-style-type: none"> <li><b>Number Length</b></li> </ul>	Set <b>minimum</b> and <b>maximum</b> length of destination number that will be matched by this routing rule						
<ul style="list-style-type: none"> <li><b>Balancing</b></li> </ul>	<p>Define percentage or proportion amount of traffic, which will be sent to a respective vendor who participates in balancing</p> <div> <b>Attention</b> </div> <p>Please note that after changing <i>balancing value</i>, it is needed to restart SIP and/or RADIUS daemons.</p>						

	<ul style="list-style-type: none"> <li><b>Originator Tags</b></li> </ul> <p>You can specify respective originator tags here. If nothing is specified, it works for all.</p> <p><b>all</b> - applies for originators if all specified tags are present.  <b>any</b> - applies for originators if at least one of the specified tags is presented.</p>
	<ul style="list-style-type: none"> <li><b>Terminator Tags</b></li> </ul> <p>Here you can add terminator tags that that will be used for terminators. If nothing is indicated, it works only for terminators <b>without</b> tags. Please note, this parameter is available only for dynamic rules</p>
<b>Capacity</b>	Limit capacity for the current rule (leave blank for unlimited)
<b>Stop Hunt checkbox</b>	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

Routing Rules

Import / Export

Routing Plan

DR: Complex LCR

GENERAL INFORMATION

Name:DR: Complex LCR

Reseller:Reseller 1

Additional Routing Plan:

Code Deck:

Origination Limit:

Termination Limit:

☒ Routing loop protection

RULES PROCESSING

Rules Hunting:longest only

DR Order:by code / appeal

PM:0 [USD / %]

Vendor Limit:

OK

Cancel

Apply

Knowledge Base Articles

Error rendering macro 'contentbylabel'

parameters should not be empty