# **Routing Analysis**

## Routing Analysis

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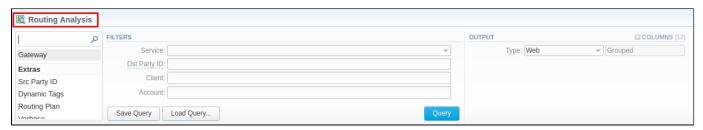
#### Section overview

In this article

This section represents a **route analyzer tool** that allows to manage dynamical routes and simulate different routing models without hurting live voice traffic. It should be noted that this tool can be used only in a case when you are using **Dynamic Routing feature**.

The Routing Analysis section represents a query form with the following parameters:

Screenshot: Routing Analysis form



#### Attention

Please note that if there are changes in *the Term Rate Table*, you need to launch *Dynamic Routing Manager* in the Task Scheduler section (System > Task Scheduler). Routing Analysis shows routes based on routing table built on the last run of the *Dynamic Routing Manager*. So you won't be able to see the latest changes regarding Routing Rules until Dynamic Routing Manager is **restarted**.

### Creating a Routing Analysis Report:

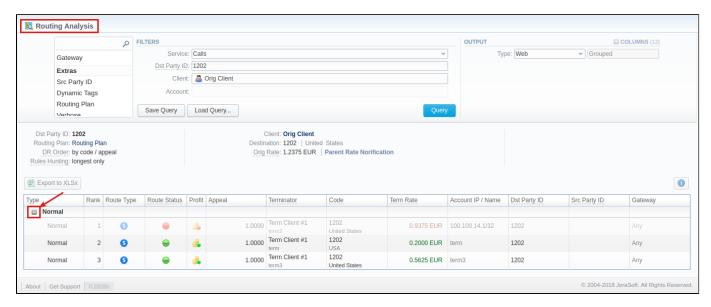
To generate routing analysis, enter the next parameters in the query form:

Section	Field Description		
Filters	In the Filters menu, select desired parameters for the report. To cancel any filter, click the delete icon 🍀 next to the filter.		
	You can use a <b>quick search</b> by typing filters' names in the respective field at the top of the filters list.		
	Service	Select the service for the report. By default, the field value is set to <b>Calls</b> . This field is mandatory.	
	Dst Party ID	Enter the destination party ID to define a destination. This field is mandatory.	
	Client	Select a client for the report. Also, you can specify respective <b>call shops</b> . This field is mandatory.	
	Account	Select an account for the report.	
	Additional Filters		
	There are the following accessible additional filters:  • Events: Gateway.  • Extras: Src Party ID; Dynamic Tags; Routing Plan; Verbose.		
	Events Settings		
	Gateway	Define a gateway specified in the term account	
	Extra Settings		
	Dynamic Tags	Enter additional dynamic tags for this routing	

	Routing Plan	Enter the plan with a respective routing rule	
	Src Party ID	Specify a source number or any other source identification to check the translations	
	Verbose	Select, which routes should be displayed (active, active and non-profit, or all routes).	
Output	This form contains settings of the output data of the report.		
	Click the pl	us icon 🖾 near <b>Columns</b> to select respective columns to output report data. Also, you can cancel any chosen item.	
	Accessib	le columns in the report	
	_	additional columns can be added to the report: Rank, Route Type, Route Status, Profit, Appeal, Termination, Code, Termount IP/Name, Dst Party ID, Src Party ID, Gateway.	
	Rank	Vendor position during routing. It's applicable and the system puts values in order when route status is accepted.	
	Route Type	Type of the route that includes: destination, policy and rule properties (balancing, priority), time profile, orig groups, term groups, debug information	
		A blue S icon in the column shows a static route	
		A violet ## icon indicates a <b>DID route</b>	
		A green icon in the column shows a <i>dynamic route</i>	
		To view detailed information on a route type hover over a corresponding icon in the column.	
		Screenshot: Detailed information on a route type	
		Rule Destination:	
		1202   Static route Rule Properties:	
		Balancing: 100% Priority: 1	
		Debug Info:	
		#1 {DST#1202 TP#1 P#1 RP#7 T#s C#12 "Term Client #1 / term"}	
	Route Status	The following information is displayed in the column: the state of the route, routing rule capacity, termination client /account/reseller capacity	
		e for accepted	
		for <b>no capacity</b>	
		error denied (for example, not matched Reseller/number length limit)	
		To view detailed information on a route status hover over a corresponding icon in the column.	
		Screenshot: Detailed information on a route status	
		Route Status:	
		accepted Routing Rule Capacity	
		— 0 active sessions	
		Terminator Account Capacity: — 0 active sessions	
		Terminator Client Capacity:	
		— 0 active sessions  Terminator Reseller Capacity:	
		— 0 active sessions	

### **Profit** Information on Profit and Profit Margin in the currency, indicated in the Client's settings, is displayed in the section. Also, it shows Term Rate, Profit and Profit Margin in the system currency only if system currency differs from the one in Client's settings. To view detailed information, hover over the **Profit** icon in the respective column. Screenshot: Routing Analysis/Profit Profit: 0.9875 EUR Profit Margin: 25% Term Rate: 0.2000 USD Profit: 0.7900 USD Profit Margin: 25% Tip Please note, it analyses the profitability by comparing orig and term rates. Therefore, an orig rate should be equal or greater than a term rate and profit margin. **Appeal** Shows the appeal automatically calculated by the system according to the chosen DR Policies (Routing section > DR Policies) **Terminat** The name of the respective terminator or his account name specified in the Client's settings Code Here you can see matched code in the terminator's rate table Rate that is used to terminate the call Term Rate Account The name or IP of the account IP/Name Shows destination party ID that is sent to provider when all matching number translations are performed Dst Party ID Shows source party ID after all number translations Party ID Displays a respective gateway that is specified in the term account Gateway Other output settings Choose a format of the report from a drop-down list: Web/CSV/Excel XLS/Excel XLSx. Type Also, select a look of table view next to the Type field: • Plain - a simple table view Grouped - a table view with grouped data and possibility to collapse it Attention Please note, that the Grouped type of a table view is available only for Excel XLSx and Web formats, it doesn't work with CSV or Excel XLS. If CSV, Excel XLS or Excel XLSx type has been selected, an additional Send to field will be displayed. In this field, you can specify emails of the clients, where the current report in the selected format will be sent.

After selecting all needed parameters, click the Query button and the system will generate a report.

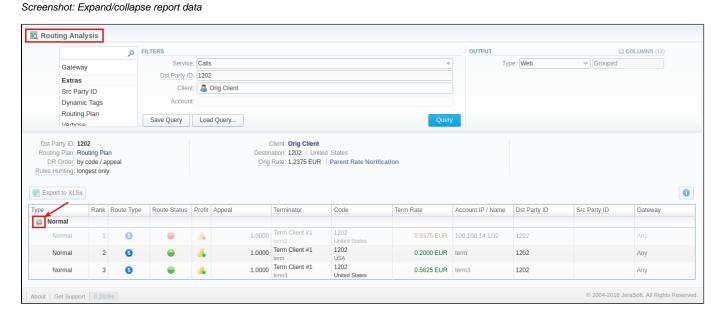


Moreover, you can create (save) and display previously saved report templates by licking **Save Query** and **Load Query** respectively. Keep in mind that the load button will be present only if there is at least one routing analysis report in **Report Templates** section.



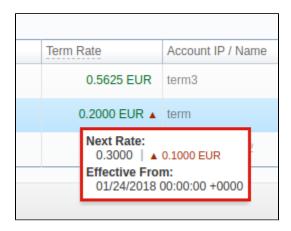
To find more details about templates, please refer to the Report Templates article in our User Guide.

To expand or collapse data in your report, click the plus or minus cons. If the data is Grouped in the report, it will be shown initially collapsed.



If applicable, you can check the Future Terminator's Rate and its effective date in the report, by hovering over a current rate in the Term Rate column.

Screenshot: Future Terminator's Rate



By clicking the Info ucon above the report on the right, user's name and time/date when a report was generated will be displayed in a pop-up window.

Screenshot: Info icon

Generated by: Administrator on 01/24/2018 16:17:47 +0000

#### Export a generated report

You can export report data either in an .xls or .csv file that would contain currently presented data. Click the Export to XLSx or Export to CSV button to download a file of the respective format. Be advised that the Export to CSV button is only available if Output is set to Web/Plain.



Attention

Please note:

- 1. Inactive additive rates with non-zero value (for respective tags) won't be shown. Active additive rates with zero value will be shown.
- 2. If you change the currency in the Settings, you need to restart Dynamic Routing Manager in the Task Scheduler section for immediate Routing Analysis functioning.

## **Knowledge Base Articles**

Error rendering macro 'contentbylabel'

parameters should not be empty