

Routing Analysis

In this article

- Section overview
- Creating a Routing Analysis Report:
- Export a generated report

Section overview

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 the **Dynamic Routing feature**.

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

Screenshot: Routing Analysis form

Routing Analysis

Gateway

Extras

Src Party ID

Dynamic Tags

Routing Plan

Version

FILTERS

Service:

Dst Party ID:

Client:

Account:

Save Query

Load Query...

Query

OUTPUT


Type:




















! 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 quick search 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 Calls . 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 call shops . This field is mandatory.
	Account	Select an account for the report.
	Additional Filters	
	There are the following accessible additional filters: <ul style="list-style-type: none">• Events: <i>Gateway.</i>• Extras: <i>Src Party ID; Dynamic Tags; Routing Plan; Verbose.</i>	
	Events Settings	
	Gateway	Define a gateway specified in the term account
	Extra Settings	
Dynamic Tags	Enter additional dynamic tags for this routing	

	<table> <tr> <td>Routing Plan</td><td>Enter the plan with a respective routing rule</td></tr> <tr> <td>Src Party ID</td><td>Specify a source number or any other source identification to check the translations</td></tr> <tr> <td>Verbose</td><td>Select, which routes should be displayed (<i>active, active and non-profit, or all routes</i>).</td></tr> </table>	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 (<i>active, active and non-profit, or all routes</i>).				
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Output	<p>This form contains settings of the output data of the report.</p> <p>Click the plus icon  near Columns to select respective columns to output report data. Also, you can cancel any chosen item.</p> <table> <tr> <td colspan="2">Accessible columns in the report</td></tr> <tr> <td colspan="2"> Following additional columns can be added to the report: <i>Rank, Route Type, Route Status, Profit, Appeal, Termination, Code, Term Rate, Account IP/Name, Dst Party ID, Src Party ID, Gateway.</i> </td></tr> <tr> <td>Rank</td><td>Vendor position during routing. It's applicable and the system puts values in order when route status is accepted.</td></tr> <tr> <td>Route Type</td><td> <p>Type of the route that includes: destination, policy and rule properties (balancing, priority), time profile, orig groups, term groups, debug information</p> <p>A blue  icon in the column shows a static route</p> <p>A violet  icon indicates a DID route</p> <p>A green  icon in the column shows a dynamic route</p> <p>To view detailed information on a route type hover over a corresponding icon in the column.</p> <p><i>Screenshot: Detailed information on a route type</i></p> <div> 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"} </div> </td></tr> <tr> <td>Route Status</td><td> <p>The following information is displayed in the column: the state of the route, routing rule capacity, termination client /account/reseller capacity</p> <p> for accepted</p> <p> for no capacity</p> <p> for denied (for example, not matched Reseller/number length limit)</p> <p>To view detailed information on a route status, hover over a corresponding icon in the column.</p> <p><i>Screenshot: Detailed information on a route status</i></p> <div> 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 </div> </td></tr> </table>	Accessible columns in the report		Following additional columns can be added to the report: <i>Rank, Route Type, Route Status, Profit, Appeal, Termination, Code, Term Rate, Account IP/Name, Dst Party ID, Src Party ID, Gateway.</i>		Rank	Vendor position during routing. It's applicable and the system puts values in order when route status is accepted.	Route Type	<p>Type of the route that includes: destination, policy and rule properties (balancing, priority), time profile, orig groups, term groups, debug information</p> <p>A blue  icon in the column shows a static route</p> <p>A violet  icon indicates a DID route</p> <p>A green  icon in the column shows a dynamic route</p> <p>To view detailed information on a route type hover over a corresponding icon in the column.</p> <p><i>Screenshot: Detailed information on a route type</i></p> <div> 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"} </div>	Route Status	<p>The following information is displayed in the column: the state of the route, routing rule capacity, termination client /account/reseller capacity</p> <p> for accepted</p> <p> for no capacity</p> <p> for denied (for example, not matched Reseller/number length limit)</p> <p>To view detailed information on a route status, hover over a corresponding icon in the column.</p> <p><i>Screenshot: Detailed information on a route status</i></p> <div> 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 </div>
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Profit	<p>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.</p> <p>To view detailed information, hover over the Profit  icon in the respective column.</p> <p><i>Screenshot: Routing Analysis/Profit</i></p> <div data-bbox="362 312 540 672"> <p>Profit: 0.9875 EUR</p> <p>Profit Margin: 25%</p> <p>Term Rate: 0.2000 USD</p> <p>Profit: 0.7900 USD</p> <p>Profit Margin: 25%</p> </div> <div data-bbox="362 699 1485 829"> <p> Tip</p> <p>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.</p> </div>
Appeal	Shows the appeal automatically calculated by the system according to the chosen DR Policies (Routing section > DR Policies)
Terminator	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
Term Rate	Rate that is used to terminate the call
Account IP/Name	The name or IP of the account
Dst Party ID	Shows destination party ID that is sent to the provider when all matching number translations are performed
Src Party ID	Shows source party ID after all number translations
Gateway	Displays a respective gateway that is specified in the term account
Other output settings	
Type	<p>Choose a format of the report from a drop-down list: Web/CSV/Excel XLS/Excel XLSx.</p> <p>Also, select a look of table view next to the Type field:</p> <ul style="list-style-type: none"> • Plain - a simple table view • Grouped - a table view with grouped data and possibility to collapse it <div data-bbox="362 1591 1485 1722"> <p> Attention</p> <p>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.</p> </div> <p>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.</p>

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

Screenshot: Routing Analysis

Routing Analysis

Gateway

Extras

Src Party ID

Dynamic Tags

Routing Plan

Verbs

Service: Calls

Dst Party ID: 1202

Client: Orig Client

Account:

Save Query

Load Query...

Query

OUTPUT

Type: Web

Grouped

COLUMNS (12)

Dst Party ID: 1202

Routing Plan: Routing Plan

DR Order: by code / appeal

Rules Hunting: longest only

Client: Orig Client

Destination: 1202 | United States

Orig Rate: 1.2375 EUR | Parent Rate Norification

Export to XLSx

Type	Rank	Route Type	Route Status	Profit	Appeal	Terminator	Code	Term Rate	Account IP / Name	Dst Party ID	Src Party ID	Gateway
Normal	1	S				Term Client #1 term2	1202 United States	0.9375 EUR	100.100.14.1/32	1202		Any
Normal	2	S				Term Client #1 term	1202 USA	0.2000 EUR	term	1202		Any
Normal	3	S				Term Client #1 term3	1202 United States	0.5625 EUR	term3	1202		Any

About

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Moreover, you can create (save) and display previously saved report templates by clicking **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 the **Report Templates** section.

Tip

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** icons. If the data is **Grouped** in the report, it will be shown **initially collapsed**.

Screenshot: Expand/collapse report data

Routing Analysis

Gateway

Extras

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Service: Calls

Dst Party ID: 1202

Client: Orig Client

Account:

Save Query

Load Query...

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Normal	3	S				Term Client #1 term3	1202 United States	0.5625 EUR	term3	1202		Any

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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

Term Rate	Account IP / Name
0.5625 EUR	term3
0.2000 EUR ▲	term
Next Rate: 0.3000 ▲ 0.1000 EUR Effective From: 01/24/2018 00:00:00 +0000	

By clicking the **Info**  icon 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 a .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