

Events Log

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Section overview

Since keeping track of all **events** that occur in the system is crucial, JeraSoft Billing offers you the **Events Log** section where you can view information regarding all **errors**, **alerts**, and **messages**, as well as configure the rules for email notifications sending. The section is divided into two tabs: **Events Log** and **Configuration**.

Events Log tab

Information in the tab is presented in the form of a list of all events recorded by the system. For example, the system records the following events:

- incoming or outgoing events of the client that are not registered within the system;
- number prefixes that are not registered within the system;
- incoming call prices that are higher than outgoing ones;
- incoming or outgoing calls that were rejected and others.

Tab structure is presented in the screenshot below:

Screenshot: Events Log tab

Events Log

Configuration

Errors

Alerts

Messages

Delete Events

Rows 1 – 5

5

Page 1

ID	Type	Sender	Date	Message	Tags
499985	Alert	Task Scheduler	05/22/2017 14:46:02 +0000	CHECK: task jsonrpcd@127.0.0.1 was finished abnormally	
499986	Message	Task Scheduler	05/22/2017 14:46:02 +0000	RUNNER: starting task "calculator"	
499987	Message	Task Scheduler	05/22/2017 14:46:03 +0000	RUNNER: starting task "cache_manager"	
499988	Message	Cache Manager	05/22/2017 14:46:03 +0000	Cache was generated in 0.3313 sec	
499989	Message	Calculator	05/22/2017 14:46:04 +0000	Queue: loaded 0 xDRs from xdrs_queue	


About

0.0633s

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Column Name	Description
ID	Identification number of the event
Type	Category of the event in the system (error , alert , or message)
Sender	Name of the system service that sent the event
Date	Date and time when the event occurred
Message	Description of the event
Tags	Tags that might have been added to the event

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

Button/Icon	Description
	Allows to filter the list of events by errors

	Allows to filter the list of events by alerts
	Allows to filter the list of events by messages
	Allows to delete currently displayed events
	Allows to view a detailed description of the event (if possible)

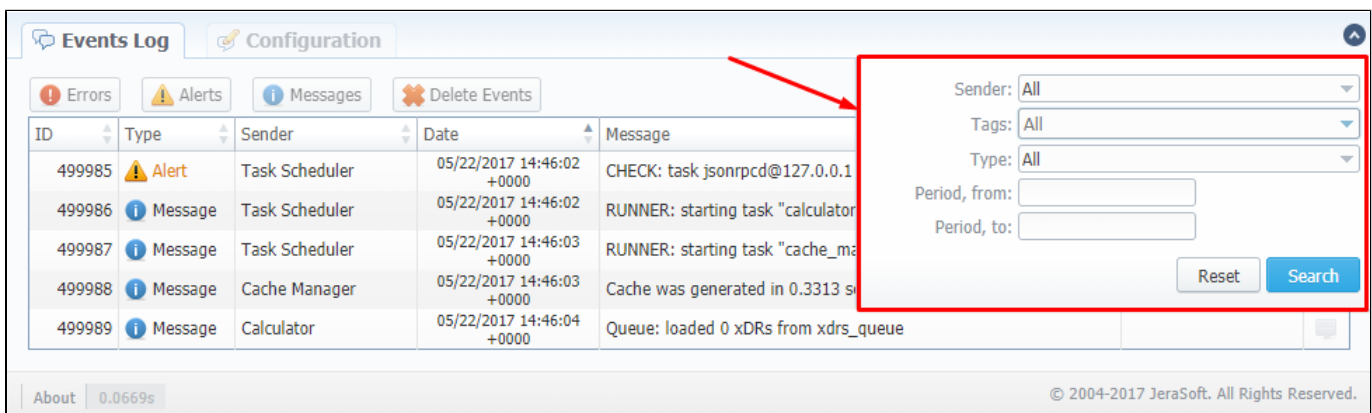
Warning

When you click the **Delete Events** button, **all events** that satisfy the current search query **will be deleted from the system**

Advanced Search

You can find the build-in **Advanced Search** drop-down menu that provides an easy way of navigation between multiple columns of the table. Click a blue downward arrow icon to open a menu with the following fields:

Screenshot: Advanced Search drop-down menu



The screenshot shows the 'Events Log' interface with a table of events. A dropdown menu is open, showing search filters. The filters include:

- Sender: All
- Tags: All
- Type: All
- Period, from: (empty field)
- Period, to: (empty field)
- Buttons: Reset, Search

Field	Description
Sender	Select a respective sender from the given list. By default, the field value is All .
Tags	Select one or multiple tags from the provided list. By default, the field value is All .
Type	Specify a type of event: error , alert , or message . By default, the field value is All .
Period, from:	When search settings are applied, only events whose Date value Period, from value will be displayed
Period, to:	When search settings are applied, only events whose Date value Period, to value will be displayed

When all search criteria have been set, click the **Search** button to apply them. Click **Reset** to cancel the applied search.

Detailed Description of the Event

You can view detailed descriptions of some events by clicking the icon opposite a respective event on the right. A pop-up window consists of **Title** and **Event Description** (see screenshot below):

Screenshot: Detailed description of the event

Events Log

Message #500033

DYNAMIC ROUTING MANAGER

05/22/2017 14:46:29 +0000

DynRouting table generated: 682735 rows in 0.24 minutes (2815056.53 rpm)

```

Simple LCR: 682734 routes
Complex Quality: 455156 routes
Simple Quality: 113789 routes
DID Routing: 682735 routes
Static Routing: 568945 routes
Complex LCR: 341367 routes
Proportional: 227578 routes

```

Configuration Tab

In the **Configuration** tab, you can create rules for email notifications about respective events within the system. The main window represents a set of rules, presented in the form of a table (screenshot below):

Screenshot: Configuration tab

Events Log

Configuration

+ Add Rule

Rows 1 – 1 of 1

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ID	Title	E-mails	Filters	Group Limit	
1	SIP/RADIUS ALERT	test@jerasoft.net	Services: RADIUS Server, SIP Redirect Server Types: Errors, Alerts	0	

About

0.0727s

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Column Name	Description
ID	Identification number of the rule
Title	Name of the rule
Emails	List of recipients' email addresses
Filters	List of services and types of events added to the respective rule
Group Limit	Number of messages allowed to be sent separately


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

Button/icon	Description
	Allows to add a new rule for email notifications
	Allows to delete an email notification rule

Adding a new rule

For adding a new rule to the system, you need to click the **Add Rule** button. Following this, **Watch Rule** pop-up window will show up with respective settings (shown below):

Screenshot: Watch Rule pop-up window


Watch Rule

Title:

E-mails:

Group Limit:

0

events

Details Limit:

300

characters

FILTERS

Services:

All

Types:

All

Tags:

All

RegExp Match:

OK

Cancel

Apply

Information Block	Field	Description
General	General information block consists of the following fields:	
	Title	Name of the rule that will be put into the subject of the message
	Emails	Email addresses of the recipient
	Group Limit	The boundary to control the number of messages to be sent. If there are more messages available for delivery within one monitoring cycle than the specified value , they will be sent as a single email (set 0 to get all messages separately , or an ultimate high value to receive grouped messages).
	Details Limit	Data will be limited and cut to a specified number of characters in the grouped messages. By default, the field value is set to 300 .
Filters	Fill in this information block to make your rule more detailed and precise .	

Services	<p>Specify billing services that will be included in this event rules.</p> <p>List of available services:</p> <ul style="list-style-type: none"> • Backup Manager; • Balances Manager; • Cache Manager; • Calculator; • Calling Cards Manager; • Cleaner; • Email Rates Manager; • Dynamic Routing Manager; • Events Manager; • Factors Watcher; • Files Collector; • Files Downloader; • Invoicing Manager; • JSON-RPC Core API; • Log Rotator; • Jurisdiction Manager; • Mail Manager; • Notificator; • Packages Manager; • Payment Gateways; • Provisioning Manager; • RADIUS Server; • Rates Notificator; • Report Generator; • Reports Watcher; • SIP Redirect Server; • Statistics Manager; • Task Scheduler; • Web.
Types	Specify the category of events for the rule: errors, messages, alerts
Tags	<p>Set labels that will be applied to filter the rule.</p> <p>List of the available tags:</p> <ul style="list-style-type: none"> • aaa - includes all accounting tags: aaa.fraud; aaa.ident; aaa.ident.client; aaa.ident.rate; aaa.ident.service; aaa.routing; aaa.traffic_processing; • api - includes all API tags: api.core; api.core.jsonrpcd; api.management; api.provisioning; • coreapi; • dids; • factors watcher; • packages - includes all package tags: packages.nofunds; • system - includes all system tags: system.cluster; system.config; system.database; system.license; system.mail; system.monitoring; system.security; system.storage; • transactions - includes all transactions tags: transactions.charge;
RegEx p Match	Regular Expression Match option to filter rules. Use POSIX standart while specifying regular expressions

After clicking **OK**, a new rule will be added to the general list of the **Configuration** tab.