Events Log

In this article

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.**

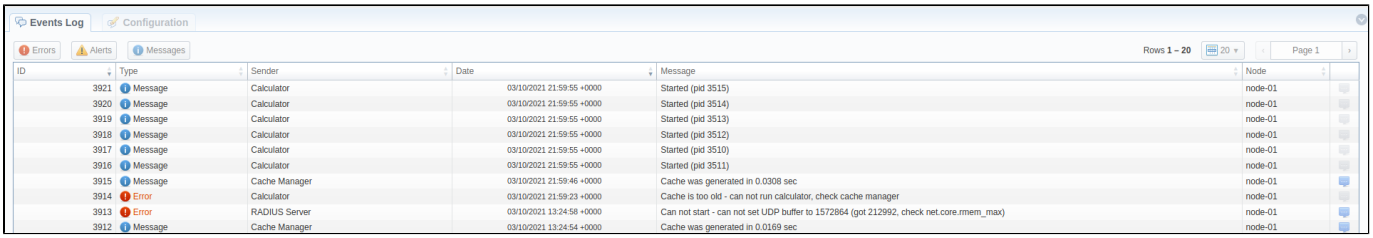
Events Log tab

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.

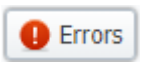
Tab structure is presented in the screenshot below:

Screenshot: Events Log tab



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
Node	Node ID that sent a notification

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

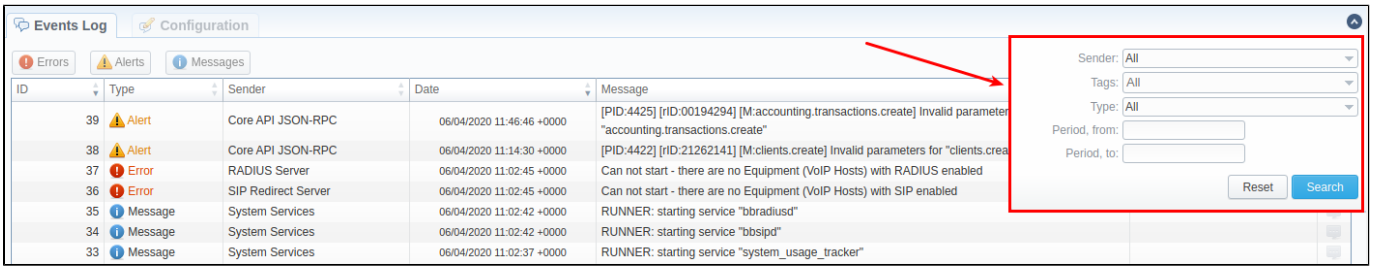
Button/Icon	Description
	Allows to filter the list of events by **errors**
	Allows to filter the list of events by **alerts**
	Allows to filter the list of events by **messages**

	Allows to view a **detailed description** of the event (if possible)

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 d ownward arrow icon to open a menu with the following fields:

Screenshot: Advanced Search drop-down menu



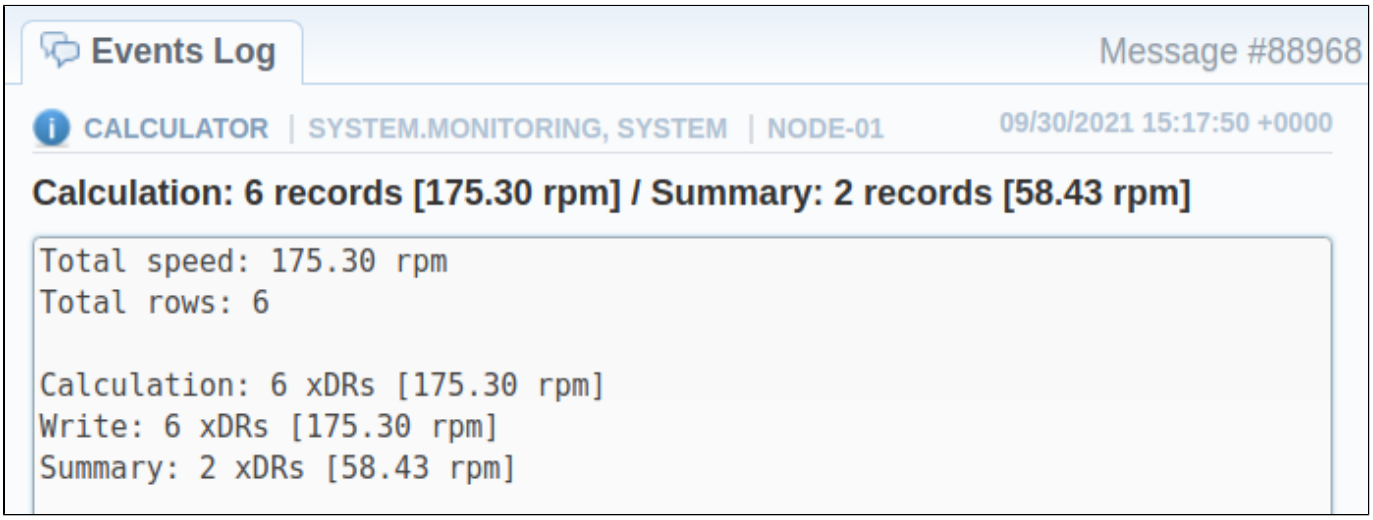
Field	Description
Sender	Select a respective **sender** from the given list. By default, the field value is **All**.
Tags	Select **one or multiple tags** from the provided list. By default, the field value is **All**.
Type	Specify a type of event: **error, alert,** or **message**. By default, the field 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 **Eve nt Description** (see screenshot below):

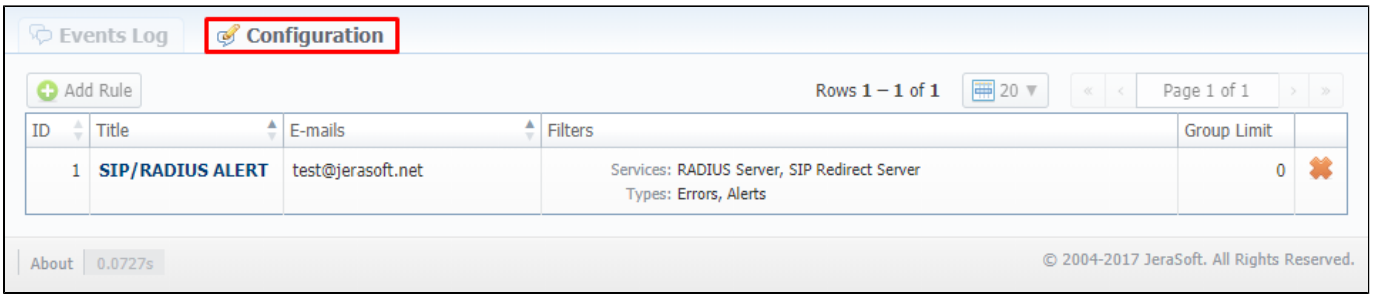
Screenshot: Detailed description of the event



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



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**

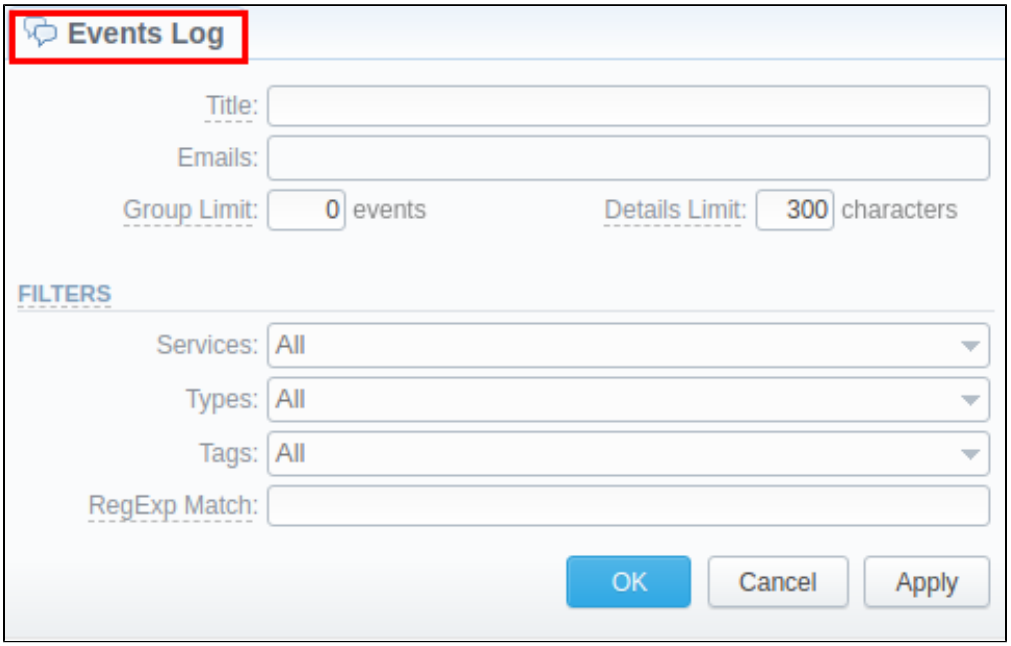
Functional **buttons/icons**, presented in the tab, are as follows:

Button/Icon	Description
Add Rule	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, **Event Log** pop-up window will show up with respective settings (shown below):

Screenshot: Event Log pop-up window



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	Specify billing services that will be included in this event rules. **List of available services:** • 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; • Files Upload Service; • Import Manager; • Invoicing Manager; • JSON-RPC Core API; • Log Rotator; • Jurisdiction Manager; • Mail Manager; • Notificator; • Packages Manager; • Payment Gateways; • Provisioning Manager; • RADIUS Server; • Rates Generator; • Rates Notificator; • Orig-Term Report Generator; • Reports Watcher; • SIP Redirect Server; • Statistics Manager; • Statistic meta info manager; • Swap Deals Manager; • System Services; • Traffic Rules Manager; • Web.
	Types	Specify the category of events for the rule: ***errors, messages, alerts***
	Tags	Set **labels** that will be applied to filter the rule. List of the **available tags**: • **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;

	RegExp 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.