RUT241 Events Reporting

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Contents

- 1 Summary
- 2 Events Reporting Rules
- 3 Events Reporting Configuration
  - 3.1 Send SMS
  - 3.2 Send email

Summary

The **Events Reporting** feature provides the possibility to configure rules that inform via SMS or email when certain trigger events occur.

This page is an overview of the Events Reporting section for RUT241 devices.

Events Reporting Rules

The **Events Reporting Rules** section is used to manage existing Events Reporting rules and to add new ones. Events Reporting Rules trigger on certain, user specified events and send an SMS message or email to a specified number informing of the occurred event.

All possible trigger events are listed in the table below.

Event	Event subtype
Config change	Informs on changes to the device's configuration. Possible triggers are: • *Any config change* • *Specific config change*
Mobile data	Informs on changes to the state of the device's mobile connection. Possible triggers are: • *Connected* • *Disconnected* • *All*
New DHCP client	Informs on new DHCP lease give outs. Possible triggers are: • *Connected from LAN* • *Connected from WiFi*

Ports state	Informs on Ethernet port state (plugged in or unplugged) or speed (100 Mbps or 1000 Mbps) changes. Possible triggers are: • *Link speed* • *Link state* • *Unplugged* • *Plugged in* • *LAN1* • *WAN*
Reboot	Informs after device reboot occurrences. Possible triggers are: • *From button* • *From Input/Output* • *From Ping Reboot* • *From wget Reboot* • *From Reboot Scheduler* • *From WebUI* • *From SMS* • *All*
Startup	Informs when device startup completed. Possible triggers are: • *Device startup completed*
Signal strength	Informs on signal strength changes. Possible triggers are: • *- 121 dBm - 113 dBm* • *- 113 dBm - 98 dBm* • *- 98 dBm - 93 dBm* • *- 93 dBm - 75 dBm* • *- 75 dBm - 60 dBm* • *- 60 dBm - 50 dBm* • *All*
SMS	Informs on received SMS messages. Possible triggers are: • *SMS received*
SSH	Informs on successful or unsuccessful SSH login attempts. Possible triggers are: • *Successful authentication* • *Unsuccessful authentication* • *All*
Topology state	Informs on changes to the device's network topology. Possible triggers are: • *Topology changes*
WAN failover	Informs on WAN failover occurrences. Possible triggers are: • *Switched to failover* • *Switched to main* • *All*
WebUI	Informs on successful or unsuccessful HTTP/HTTPS login attempts. Possible triggers are: • *Successful authentication* • *Unsuccessful authentication* • *All*
New WiFi client	Informs on new WiFi clients. Possible triggers are: • *Connected* • *Disconnected* • *All*

Events Reporting Configuration

The Events Reporting Rules list is empty by default. Before you can begin configuration you must add at least one new rule. This can be done by clicking the 'Add' button:

After adding a rule you should be redirected to its configuration page.

Send SMS

One of the two Events Reporting types is **via SMS messages**. When an Events Reporting rule is configured to send SMS, the devices will send out an SMS message from the currently active SIM card to the phone number specified in a rule's configuration.

Field	Value	Description
Enable	off | on; default: **off**	Turns the rule on or off.
Event type	Config change | New DHCP client | Startup | Mobile data | SMS | Signal Strength | Reboot | SSH | WebUI | New WiFi client| Ports state | Topology changes| WAN Failover; default: **Config change**	Event that will trigger the rule.
Event subtype	Varies	More specific event type that will trigger the rule.
Action	Send SMS | Send email; default: **Send Email**	Selects the method of reporting on the specified event.
Message text on Event	string; default: **Router name - %rn; Event type - %et; Event text - %ex; Time stamp - %ts;**	Text to be included in the body of the report message.
Recipients	Single | Group; default: **Single**	Specifies whether the recipient should be a single number or a group of numbers.
Recipient's phone number	phone number; default: **none**	Phone number of the recipient. The phone number must be entered in the international format, without spaces or other symbols (for example: *+37068163951*)

Send email

When an Events Reporting rule is configured to **send emails**, the device (this RUT241) will connect to an existing email account when a user specified trigger event occurs and send an email to another email address informing of the occurred event.

In order to send emails, the device requires access to an existing email account. You can configure email accounts in the **System → Administration → Recipients** page. Allowing access to less secure apps may be required for some email service providers.

Field	Value	Description
Enable	off | on; default: **on**	Turns the rule on or off.
Event type	Config change | Startup | New DHCP client | Mobile data | SMS | Signal Strength | Reboot | SSH | WebUI | Ports state | Topology changes| WAN Failover| New WiFi client; default: **Config change**	Event that will trigger the rule.
Event subtype	Varies	More specific event type that will trigger the rule.
Action	Send SMS |Send email; default: **Send email**	Selects the method of reporting on the specified event.
Subject	string; default: **none**	Subject of the sent email.
Message text on Event	string; default: **Router name - %rn; Event type - %et; Event text - %ex; Time stamp - %ts;**	Text to be included in the body of the report email.
Email account	email account; default: **none**	The account that will be used to send an email.
Recipient's email address	email address; default: **none**	Email address of the recipient.
Send test email	- (interactive button)	Sends an email based on the current configuration. This is used to test whether the configuration works as intended.