Template:SMS and Email alerts Triggered by BAT120

The information in this page is updated in accordance with **00.07.08** firmware version .

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Introduction

This article provides a guide on how to configure **SMS** and **Email** alerts using **I/O Juggler** on **Teltonika Networks** Routers and Gateways when the main power supply is being cut and the device switches onto the Backup Power from - **BAT120**.

If you're having trouble finding this page or some of the parameters described here on your device's WebUI, you should turn on **"Advanced WebUI" mode.** You can do that by clicking the "Advanced" button, located at the top of the WebUI.

Prerequisites

For this particular configuration you will need:

- One of Teltonika Networks **Routers** or **Gateways** (**RUT955** is being used in the example)
- **BAT120**
- **2 SIM card**, that allows sending SMS messages(One used by RUT956 and one by the client at the receiving end)
- **2 Email accounts** (Two accounts are being used in this example: one Google Mail and one Teltonika)

Preparation

- Connect Power Supply to **BAT120 IN PWR**
- Connect **BAT120 OUT PWR** to **RUT956** Power Socket

Use Case Topology

Scenario:
1.Power is being cut from the **main Power Supply** for **BAT120**
2.Once **BAT120** recognizes that **IN PWR** is no longer receiving any Input from **Main Power supply**, it sends a **12 VDC** alarm via its **OUT PWR**
3. RUT956 receives an **Alarm Signal** from **BAT120** via its **INPUT PIN 3**, which changes the pin state from **Low** to **High**
4. An E-mail and SMS alerts are being sent to the end user

Configuration

Adding e-mail user

1. Navigate to **System -> Administration -> Recipients -> E-mail Users (1)** type in the **Name (2)** and **add (3)** a New Instance

2. An advanced configuration window will open, in there, type in the details for your E-mail account. In this example, Gmail account is being used, therefore the following configuration is required:

1. Secure Connection: **on**
2. SMTP Server: **smtp.gmail.com**
3. SMTP Server Port: **587**
4. Credentials: **on**
5. Username: **e-mail username**
6. Password: **e-mail account password**
7. Senders email: **Usually it is the Username**
8. **Save & Apply** configuration

Note: It also might be required to allow **"less secure apps"** to access your email account, which is being used to send the letter. This can be changed via your email settings.

I/O Juggler actions Configuration

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1. Open your **Routers (RUT956)** WebUI
2. Navigate to: **Services -> Input/Output -> I/O Juggler -> Actions (1) -> Add two New Instances (2)**: one with type SMS and another one with type Email **(3)**. A configuration window will open, you need to select accordingly.
2.1 Adding SMS Action:

2.2 Configuring SMS Action:

1. Type: **SMS**
2. Text Message: **Your Preferred SMS text**
3. Recipients: **Number of recipients**
4. Recipient's phone number: **Phone number of the recipient** with the country code, for example, +370...
5. Click **Save & Apply**.

Note: You could send the SMS alerts to **more than one phone number** as well, this is called **Phone Groups**. To create one, the process is very similar to creating an Email Recipient described above, you would need to navigate to **System -> Administration -> Recipients -> Phone Groups**. Once created, your created Phone groups will be available for selection within our I/O Juggler.

2.3 Adding Email Action:

2.4 Configuring Email Action:


1. Type: **Email**
2. Subject: **Your preferred subject**
3. Text message: **Your preferred text message**
4. Email account: **Recipient (Created earlier)**
5. Recipient’s email address: **Recipient’s e-mail address**
6. **Save & Apply** configuration

2.5 Once finished, your configuration should look like this: 

I/O Juggler General Configuration

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1. Navigate to: **Services -> Input/Output -> General (1) -> Add new Instance (2) -> Select Role Input (3)** and click on **Add (4)**

2. Another configuration window will open, you would need to select:


1. Enabled: **on**
2. Trigger: **Rising**
3. Add actions: **BAT_SMS** and **BAT_Email** that you have configured previously.
4. Click **Save & Apply**.

Verification

Once Configured according to this example, in the case of RUT955 (or any other Teltonika Networks Router/Gateway) losing connection to its main Power Source **BAT120** will take over and will forward an up to **12V Alarm Signal** to **INPUT PIN 3**.
This Alarm Signal will work as a trigger for I/O Juggler and you should receive alarms similar to the ones bellow.

SMS Alert:

Email Alert:


See Also

- https://wiki.teltonika-networks.com/view/RUT955_Powering_Options
- https://wiki.teltonika-networks.com/view/RUT955_Input/Output#I.2FO_Juggler