N3uron Notifier

[N3uron](#) is a modern and universal IoT platform specializing in data collection.

☐

Contents

Introduction

This article contains instructions on how to:

- Install N3uron software on a windows operating system
- Configure SMPP Notifier on N3uron platform (node)
- Configure SMPP server on RUT device

Prerequisites

You will need:

- A Teltonika device which supports SMPP service and has mobile data connectivity
- An end device to host a N3uron node

N3uron software installation

This example covers installation process for Windows operating system.

- Visit https://n3uron.com/downloads/ and download N3uron software suited for your operating system.

- Extract downloaded archive, run the installation file and proceed through installation steps.

- After arriving at Select components step, check **Notifier: Mail (SMTP) and SMS (SMPP) tag event and alaram notifications** component and press **Next**.

- Press **Install** button and wait for installation process to finish.

- After arriving at the final step, keep all boxes checked and hit **Finish**.

If everything was done correctly you should have N3uron service running. You should also have N3uron node login web page in front of you.

N3uron SMPP Notifier configuration

N3uron node is managed through web interface by visiting http://localhost:8003 or https://localhost:8443/ URLs.

1. To login, enter default credentials. User - **admin**, password - **n3uron**. Afterwards you will be redirected to N3uron node window.

2. Next, navigate to **Config -> Modules** and create a new Module. Name it **Notifier_1**.

3. Near property **Module type** select **Notifier** value and click **Save** at the bottom of the page.

4. Now navigate to newly created module and create **New Message** in **Model** window. Call it **Message_1**

5. Next, at the **Notifiers** property click on . Add a **New SMPPNotifier** and call it **SMPP_Notifier_1**.

6. Let's configure **SMPP_Notifier_1**. Main changes are described below.

   1. **Enabled** - enable the notifier by selecting **Yes** value.
   2. **Host** - host of the SMPP server. In this case it will be RUT (public or private) IP address.
   3. **Port** - port that will be used by the SMPP server. Default value is 2775.
   4. **System ID** - this property specifies the username for SMPP server authentication.
   5. **Password** - password used for SMPP server authentication.
   6. **Destinatary** - enter cell phone number of the recipient.
   7. **Body** - this body permits to include a text in the message. For this example **N3uron test** is used.

   Apply changes by pressing button.

   The final step is to add a **trigger** for SMPP Notifier. For simplicity a periodic trigger is configured.

7. Add **New Periodic** trigger. Name it **Periodic_1**.

   1. Set **Scan rate** to desired period in milliseconds. Default value can be used.
   2. Change **Type** to **Fixed interval**.

N3uron SMPP Notifier will now send messages to SMPP server.
Note: Since we are using trial (demo) license for N3uron's Notifier there is a time limit of two hours. Upon expiration , module will automatically stop running. This period can be reset by restarting the expired module (in this case - N3uron Notifier). The demo period may be restarted any number of times.

SMPP server configuration on RUT device

In this configuration example device **RUTX12** is used.

To begin configuring SMPP server, login to your RUT device. Also, **make sure device has mobile data connectivity** for SMPP service to work.

8. Navigate to **Services -> Package manager** and install **SMPP** service.

9. SMPP configuration can be found in **Services -> Mobile utilities -> SMS gateway -> SMPP**. Values must match the ones set in N3uron SMPP Notifier.

    1. Enable SMPP service.
    2. **Username** as in N3uron SMPP Notifier's **System ID**.
    3. **Password** as in N3uron SMPP Notifier's **Password**.
    4. **Server port** as in N3uron SMPP Notifier's **Port**.
    5. **Modem** - modem used to send SMS to the recipient.*

    ○ - *Modem* option is available only on RUTX12 device.

At this point SMPP server is configured and recipient should receive an SMS with a body set in N3uron SMPP Notifier. In order to stop receiving messages simply disable the SMPP server on RUT device.