



Purpose

This document describes how to integrate the MTR API found on a MultiConnect® rCell Series Router from MultiTech with Nagios XI. It will work with Nagios XI version 5.5 and newer. Nagios XI uses this API to send text notifications to recipients.

Target Audience

This document is intended for use by Nagios Administrators experienced with installing and configuring network devices.

MultiTech MTR API

More information on MultiTech's MTR API can be found at:

<http://www.multitech.net/developer/software/mtr-software/mtr-api-reference/>

Configure The MTR

The Nagios MTR component connects to the MTR device's HTTPS interface to send SMS messages. This is enabled by default and uses port 443. The port is configurable under **Administration > Access Configuration > Web Server > HTTPS > Port**.

MULTITECH MultiConnect® rCell - Intelligent Cellular Router
MTR-H5 Firmware 4.0.5

Home
Save And Restart
Setup
Cellular
Wireless
Firewall
SMS
Tunnels
Administration
User Accounts
Access Configuration
RADIUS Configuration

ACCESS CONFIGURATION ⓘ

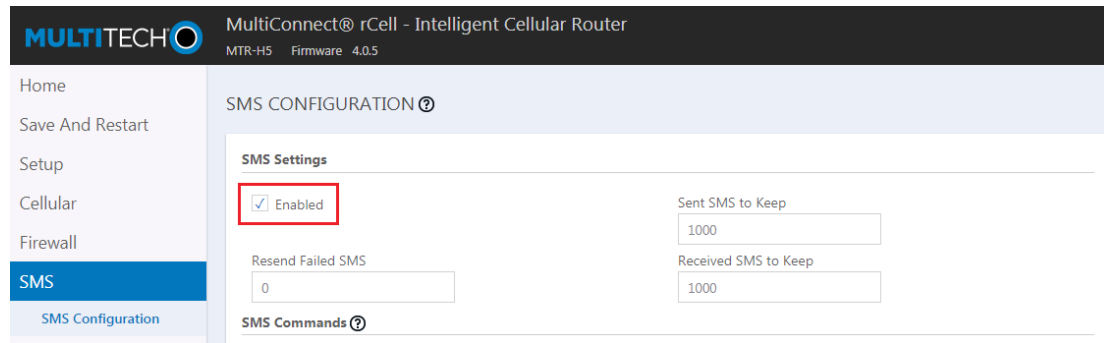
Web Server

HTTP	HTTPS	Authorization
<input checked="" type="checkbox"/> Enabled	<input type="checkbox"/> Via WAN	Session Timeout (minutes)
<input checked="" type="checkbox"/> Redirect to HTTPS	Port	5
<input checked="" type="checkbox"/> Via LAN	443	
<input type="checkbox"/> Via WAN	Port	
	80	

SSH Settings

<input checked="" type="checkbox"/> Enabled	Port	<input checked="" type="checkbox"/> Via LAN	<input type="checkbox"/> Via WAN
	22		

SMS must also be enabled if it is not already under **SMS > SMS Configuration > SMS Settings**.



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SMS Configuration

SMS CONFIGURATION ⓘ

SMS Settings

Enabled

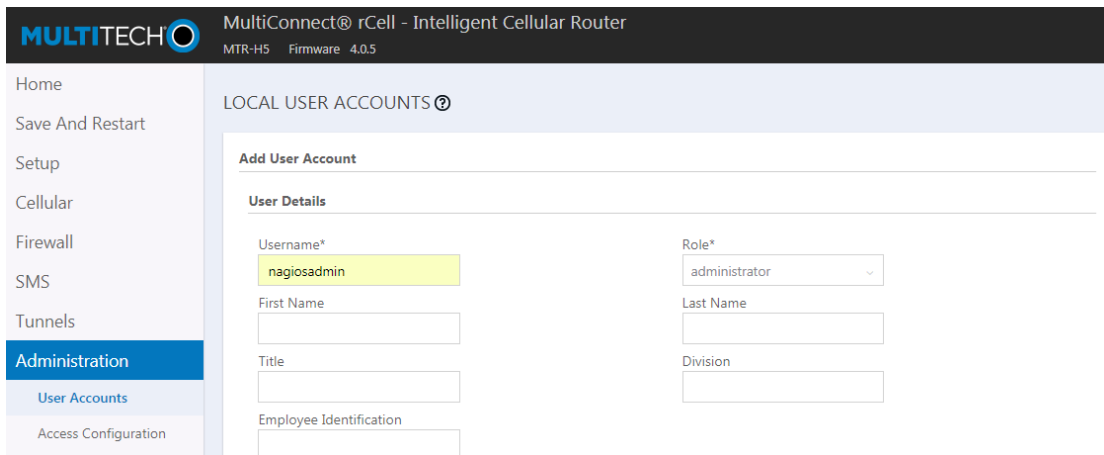
Resend Failed SMS
0

SMS Commands ⓘ

Sent SMS to Keep
1000

Received SMS to Keep
1000

And to help avoid login conflicts, it is recommended to create an administrator account on the device that only the Nagios XI machine will use. The account can be created under **Administration > User Accounts**.



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Access Configuration

LOCAL USER ACCOUNTS ⓘ

Add User Account

User Details

Username*
nagiosadmin

Role*
administrator

First Name

Last Name

Title

Division

Employee Identification

Install The MTR Component

You must install the Nagios XI MTR component (if it isn't already installed) in order to enable SMS notification functionality. To do this, first download the component from the following URL and save it to your local computer:

<https://assets.nagios.com/downloads/nagiosxi/components/xi55/mtr.zip>

Next, login to your Nagios XI server as an administrator and navigate to **Admin > System Extensions > Manage Components**. Upload the component zip file you just downloaded.

Configure The MTR Component

Once the MTR component has been installed in Nagios XI, click the **settings** icon next to the component.

MultiTech MTR Integration
Provides integration with MultiTech MTR devices.
1.0.0 Nagios Enterprises, LLC

User   1.0.0

Which will bring up the MultiTech MTR Integration screen:

On the component settings page, make sure to set the following options:

- Check the **Enable Integration** option
- Supply the **IP Address** or **hostname** of the MTR modem
- Ensure the **HTTPS Port** matches the MTR modem configuration (the default port is **443**)
- Supply the **Username** and **Password** to authenticate to the MTR modem

Click the **Apply Settings** button to save your settings.

The MTR component is now available for use by users. Each user that wants to receive SMS alerts must now enable them, as outlined in the steps on the following page.

MultiTech MTR Integration



Allows integration between Nagios XI and a MultiTech **MTR** device. **Requires** MultiTech **MTR** setup.

Integration Settings

Enable integration

Sender Settings

These settings relate to sending SMS alerts from Nagios XI through the **MTR** API.

Address:

The IP address or hostname of the **MTR**.

HTTPS Port:

The HTTPS port used to access the **MTR** API.

Username:

The username used to authenticate to the **MTR** API.

Password:

The password used to authenticate to the **MTR** API.

Test Message

Phone Number:

Enter a mobile phone number to send a test SMS message to. This is used for testing the Nagios XI and MultiTech **MTR** integration.

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Apply Settings

Cancel

Enabling SMS Alerts For Users

Each user that wants to receive SMS alerts must enable them in their account settings. To do this, select the **Notification Methods** link in your account settings and click on the **MTR** tab.

Check the **SMS Text Message** checkbox and enter your cellphone or mobile device phone number.

Click the **Update Settings** buttons to enable SMS alerts.

Notification Methods

Specify the methods by which you'd like to receive alert messages.

Note: These methods are only used if you have [enabled notifications](#) for your account.

Email Mobile Text (SMS) MTR



- SMS Text Message**
Receive out-of-band SMS alerts via the MultiTech MTR.
-
- Send a test SMS message to the number specified above.

Update Settings

Cancel

Customizing SMS Alert Messages

Each user that receives SMS alerts can choose how the messages should be formatted, and what information they should contain. Click the **Notification Messages** link in your account settings and click the **MTR** tab.

Users can customize message formats for both host and service alert messages they receive.

Messages can contain macros that are substituted with real data when Nagios XI sends an alert. For more information on notification macros please refer to the following documentation:

[Understanding Nagios XI Notification Variables.](#)

Notification Messages

Use this feature to customize the content of the notification messages you receive.

Email Mobile Text (SMS) MTR



SMS Message Settings

Specify the format of the SMS messages you want to receive.

NOTE: The maximum length of SMS text messages is 160 characters. Messages longer than this limit will be trimmed.

Host Alert Message:

Service Alert Message:

Update Settings

Cancel

Finishing Up

This completes the documentation on MultiTech MTR API integration with Nagios XI.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

<https://support.nagios.com/forum>

The Nagios Support Knowledgebase is also a great support resource:

<https://support.nagios.com/kb>