



## Purpose

This document describes how to integrate the Multi-Tech iSMS GSM modem with Nagios XI. The iSMS provides out-of-band (OOB) SMS notifications for Nagios XI, thereby increasing the reliability and dependability of receiving critical alerts and notifications.

## Target Audience

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

## Multi-Tech iSMS GSM Modem

More information on Multi-Tech's iSMS products can be found at:

<https://www.multitech.com/brands/multimodem-isms>

The iSMS modem can be purchased at various places online, including:

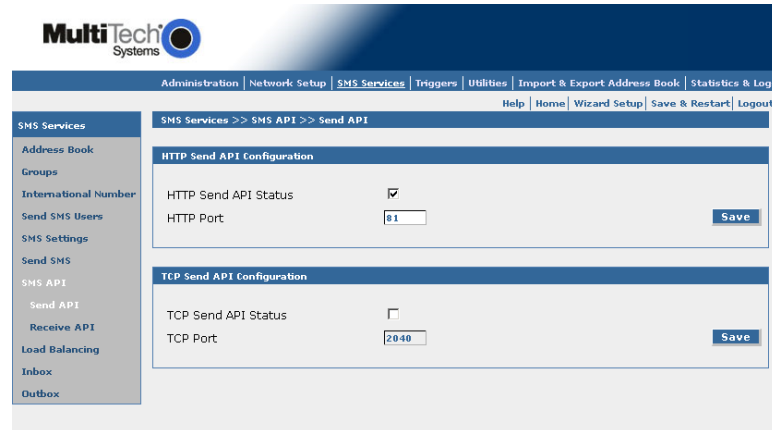
- CDW ([www.cdw.com](http://www.cdw.com))
- Amazon ([www.amazon.com](http://www.amazon.com))
- Multi-Tech distributors and resellers ([www.multitech.com](http://www.multitech.com))

## Configure The iSMS

You must configure the iSMS modem's send and receive APIs to enable Nagios XI integration. The iSMS modem's web configuration interface is used to accomplish the following steps.

To get started, you must enable the iSMS modem's HTTP send API in order to send SMS alerts from Nagios XI. To do this, login to the iSMS administration interface and follow these steps:

- Access the **Send API** configuration screen under the **SMS Services > Send API** menu
- Check the **HTTP Send API Status** checkbox
- Click **Save**



## Install The iSMS Component

You must install the Nagios XI iSMS 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/isms.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 iSMS Component






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

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

- Check the **Enable Integration** option
- Supply the **IP Address** of the iSMS modem
- Ensure the **HTTP Port** matches the iSMS modem configuration (default port = 81)
- Supply the **Username** and **Password** to authenticate to the iSMS modem

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

The iSMS 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.

<b>Minimap</b> Displays a grid-like view of host and service status. Version: 1.2.1 Author: Nagios Enterprises, LLC	User	-	 	1.2.1
<b>Multi-Tech iSMS Integration</b> Provides integration with the Multi-Tech iSMS. <b>Requires</b> Multi-Tech iSMS modem <a href="#">setup</a> . Version: 1.2.1 Author: Nagios Enterprises, LLC	User		 	1.2.1

### Multi-Tech iSMS Integration



Allows integration between Nagios XI and a Multi-Tech iSMS GSM modem. **Requires** Multi-Tech iSMS modem [setup](#).

#### Integration Settings

Enable integration

#### Sender Settings

These settings relate to sending SMS alerts from Nagios XI through the iSMS Send API.

IP Address:

The IP address of the iSMS.

HTTP Port:

The HTTP port used to access the iSMS Send API.

Username:

The username used to authenticate to the iSMS.

Password:

The password used to authenticate to the iSMS.

#### Test Message

Phone Number:

Enter a mobile phone number to send a test SMS message to. This is used for testing the Nagios >

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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 **iSMS** 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.

The screenshot shows the Nagios XI interface. The top navigation bar includes Home, Views, Dashboards, Reports, Configure, Tools, and Help. The left sidebar is expanded to 'My Account', with 'Notification Options' selected. Under 'Notification Options', 'Notification Methods' is chosen. The main content area is titled 'Notification Methods' and contains the following text: '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.' There are three tabs: 'Email', 'Mobile Text (SMS)', and 'iSMS'. The 'iSMS' tab is active. Below the tabs is the MultiTech Systems logo. There are two checkboxes: 'SMS Text Message' (checked) with the text 'Receive out-of-band SMS alerts via the Multi-Tech iSMS.' and a 'Phone number' input field; and 'Send a test SMS message to the number specified above.' (unchecked). At the bottom are 'Update Settings' and 'Cancel' buttons.

## 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 **iSMS** 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.](#)

The screenshot shows the Nagios XI interface. The top navigation bar includes Home, Views, Dashboards, Reports, Configure, Tools, Help, and Admin. The left sidebar is expanded to 'My Account', with 'Notification Options' selected. Under 'Notification Options', 'Notification Messages' is chosen. The main content area is titled 'Notification Messages' and contains the text: 'Use this feature to customize the content of the notification messages you receive.' There are three tabs: 'Email', 'Mobile Text (SMS)', and 'iSMS'. The 'iSMS' tab is active. Below the tabs is the MultiTech Systems logo. The section is titled 'SMS Message Settings'. Below this is the text: '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.' There are two text input fields: 'Host Alert Message:' containing '%host% %type% (%hoststate%) %hostoutput% Addr: %hostaddress% Time: %datetime% Nagios URL: %xiserverurl%' and 'Service Alert Message:' containing '%host% / %service% %type% (%servicestate%) %serviceoutput% Time: %datetime% Nagios URL: %xiserverurl%'. There are vertical ellipsis icons at the bottom right of each input field.

## Finishing Up

This completes the documentation on MultiTech iSMS 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>