APC Data Center Expert – sendQuick Integration Guide
Version 1.0

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1.0 Introduction

1.1 About TalariaX Pte Ltd

TalariaX™ develops and offers **enterprise mobile messaging solutions** to facilitate and improve business workflow and communication, and is widely used in areas such as IT alerts & notifications, secure remote access via 2-Factor Authentication, emergency & broadcast messaging, business process automation and system availability monitoring.

In addition to functionality, TalariaX's messaging solutions have also been developed with other key features in mind. These include **security** and **confidentiality** of company information, and **ease in mitigating disruption** during unplanned system downtime such as that arising from cyberattacks.

1.2 About sendQuick

sendQuick is a comprehensive Short Messaging Service (SMS) and Mobile Instant Messaging (MIM) gateway that is available in the form of an **appliance** or as a **cloud-based** solution. **sendQuick** is used by more than 1,500 businesses, including many Fortune Global 500 companies, in 40 countries and across industries such as banking, finance, insurance, manufacturing, retail, government, education, and healthcare.

1.3 Purpose of Document

This document provides steps on how to integrate sendQuick with APC (Schneider Electric) Data Center Expert to send SMS alerts. In this guide, we will be using sendQuick Alert Plus for the integration.

There are three ways to send alert messages from Data Center Expert to sendQuick systems. You can use any of the following methods:
- SMTP Delivery (Email Method)
- SMS Delivery (HTTP Method)
- SNMP Trap

2.0 Send Email to sendQuick (SMTP)

When any device is down or there is a need to send a notification alert, Data Center Expert can trigger an email to sendQuick. sendQuick will then convert the email message to SMS.

2.1 Configure Email Filter in sendQuick

sendQuick allows you to configure alerts to be sent to multiple phone numbers, groups or even combination of Emails and SMS. To explore this feature, navigate on the sendQuick dashboard to:

Filter Rules > Email Filter

Figure 1: sendQuick Dashboard

Click on **Add New Record**.
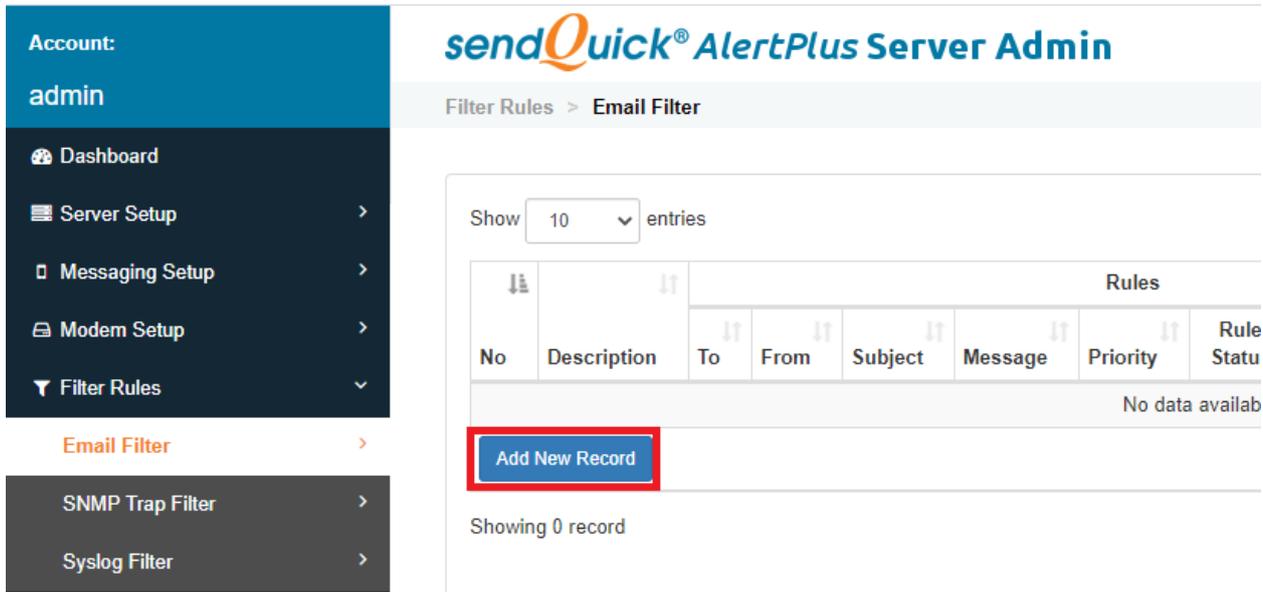
Figure 2: Email Filter Page

You can then create a new record to define the email address Data Center Expert should send to in the format of **anyname@sendQuickIP** (in our example, we will use **alerts@192.168.1.96**)

Fill in the **Description**, **Mail To** and for **Match Mode**, check **ANY**

Once done, click **Save**.
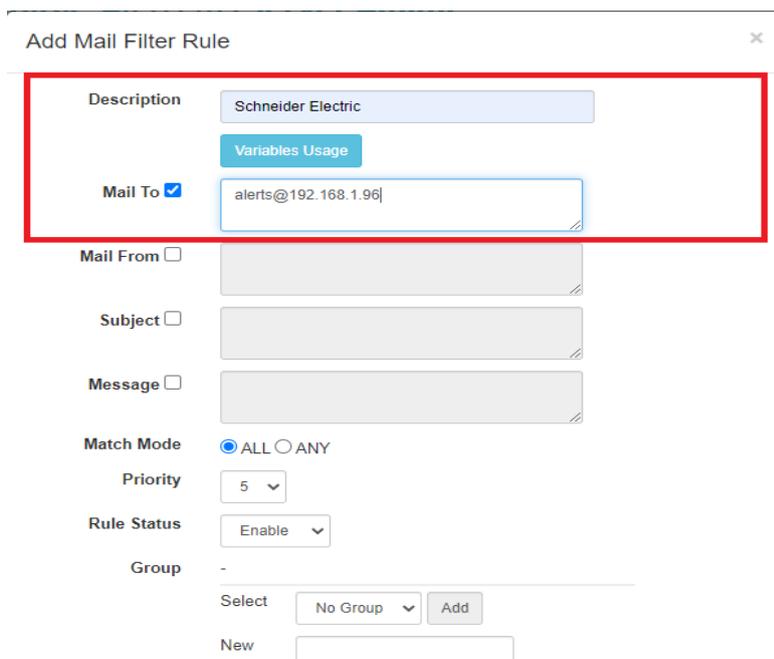
Figure 3: Add Email Filter Rule Page

Click on **View** for the record that you have created

No	Description	To	From	Subject	Message	Priority	Status	Group	Buffer	Created	Match	Alert	☐
1	Schneider Electric ✎	alerts@192.168.1.96				5	Enable		Yes	15/12/2020	ALL	View ⧉	☐

Figure 4: View Record

Click on **Add New Record**

Show [5 ▾] entries   Search: [_____]

No ⇵	Message Receiver	Alert Template	Edit	☐
	No data available in table			

Add New Record   Delete

Showing 0 record   Previous   Next

Figure 5: Add New Record

Add in the phone number to receive the alerts under **Mobile Number to Receive Alert**.

This is the page to also add other phone numbers, emails or groups to receive the same notification alerts. Once completed, click on **Save**.

Alert Receiver

Mobile Number to Receive Alert	Email to Receive Alert	Voice to Receive Alert	Group to Receive Alert
901234567 890123456 912345678 891234567			
Select from Phone Book	Select from Phone Book	Select from Phone Book	Select from Phone Book

Save   Cancel

Figure 6: Add Mobile Numbers

2.2 Configure Email Settings in Data Center Expert

To configure the Email Settings in Data Center Expert, navigate to the following

System > Server Administration Settings > E-mail Settings
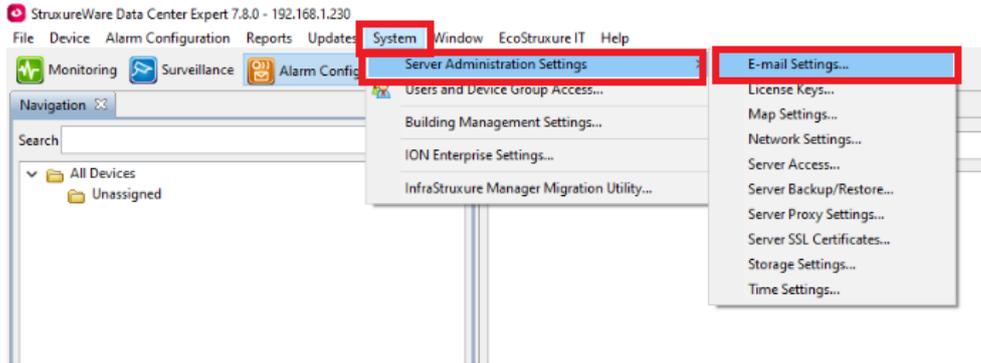
Figure 7: Data Center Expert Dashboard

Enter any email address of your choice (in this example, we are using **SchneiderElectric@company.com**) under **"From"** address.

Enter the IP address of a sendQuick device (in this example, we are using **192.168.1.96**) under **SMTP Server**

By default, the **Port** number will be 25. Click **OK**
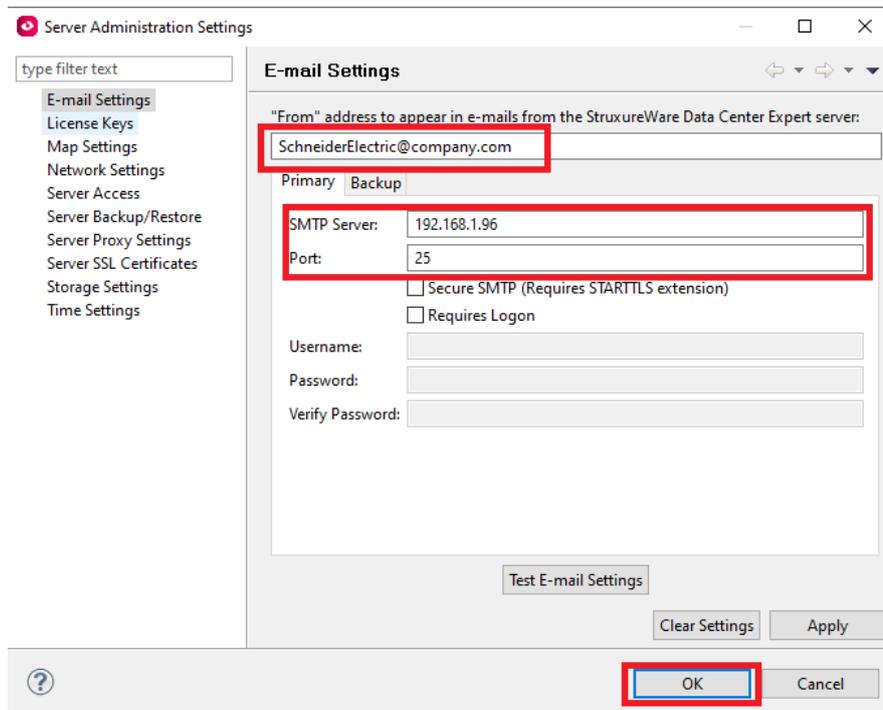
Figure 8: Email Settings Page

2.3 Configure Alarm Actions in Data Center Expert to send Email

Next, configure the alarm actions. In the Data Center Expert dashboard, navigate to

Alarm Configuration > Manage Alarm Actions
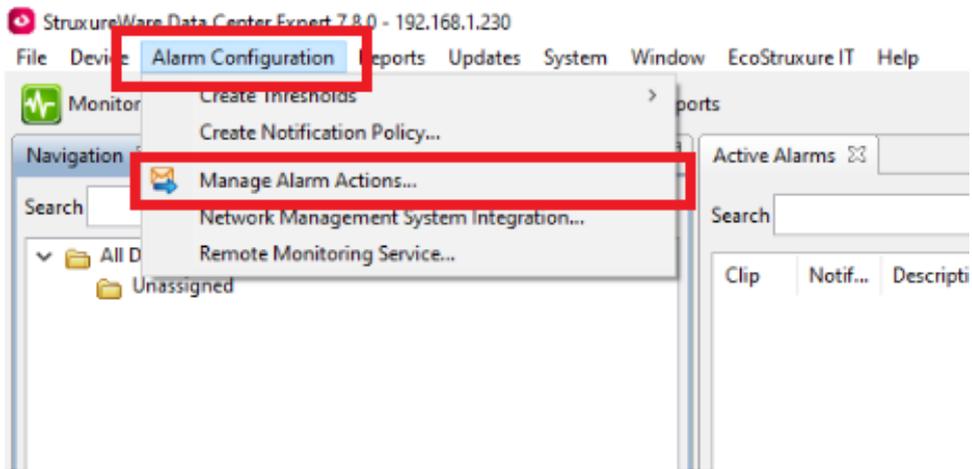
Figure 9: Data Center Expert Dashboard

Click on **Create**
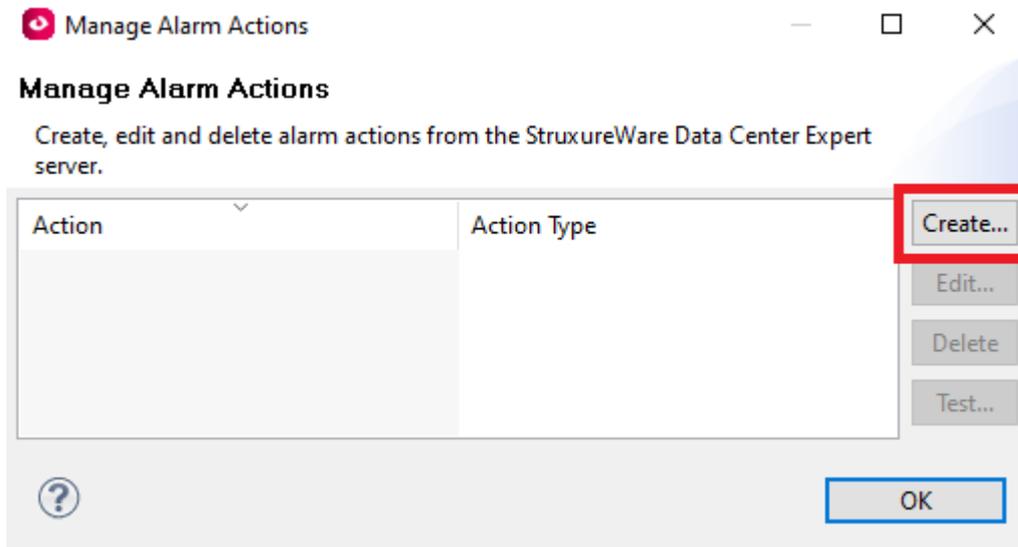
Figure 10: Manage Alarm Actions Page

Select **Send E-mail** under **Alarm Action Type** and click **Next**
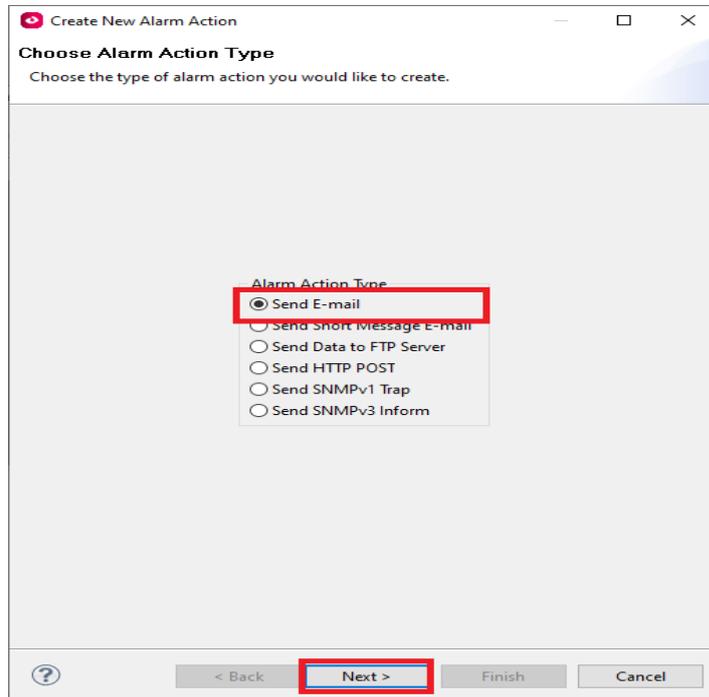
Figure 11: Create New Alarm Action Page

Enter any name under **E-mail Action Name** and click **Add**
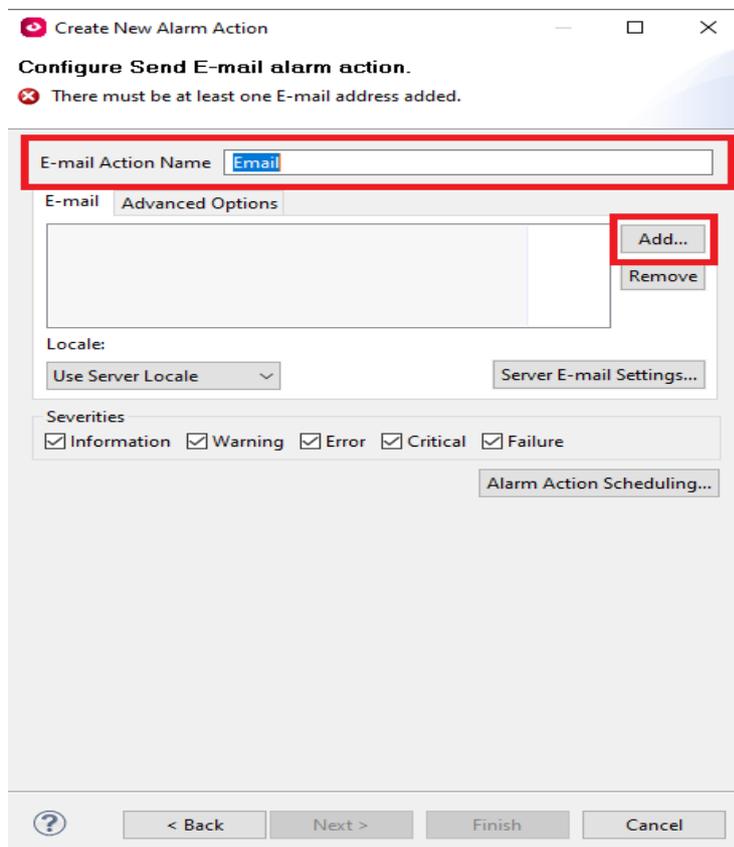
Figure 12: Configure E-mail Alarm Action

For the e-mail address, enter the email that was configured as the email address that was used in the Email Filter in Figure 3 and click **OK**
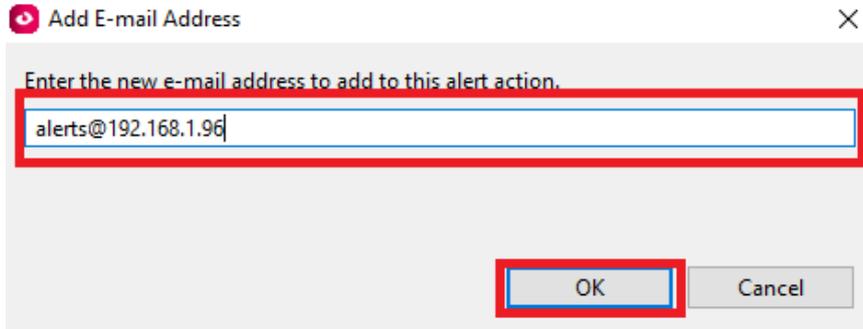
Figure 13: Add E-mail Address

Click **OK**
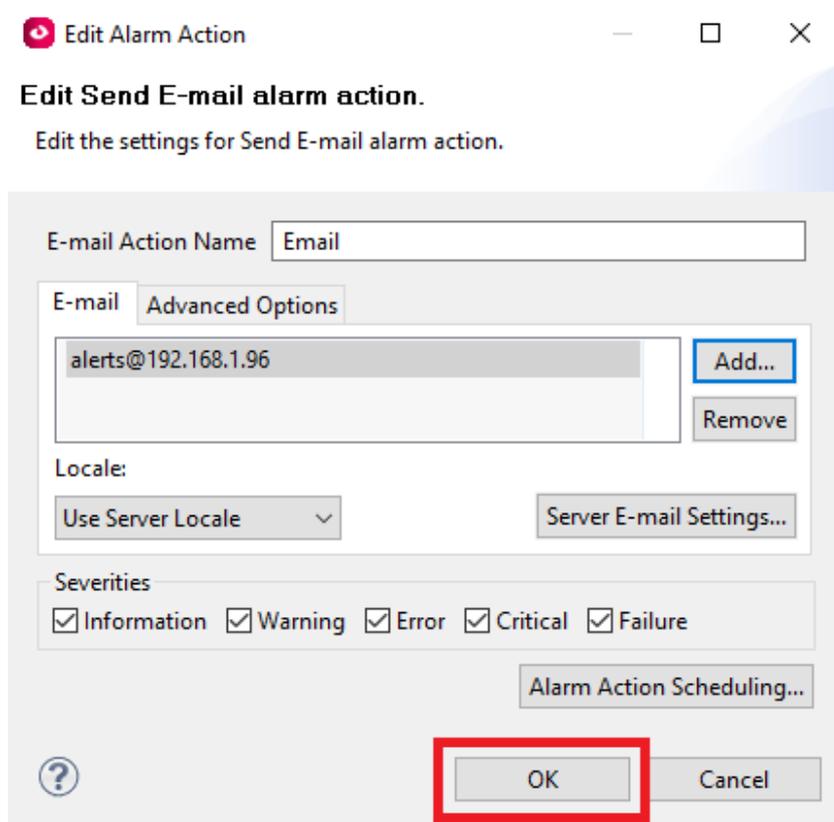
Figure 14: Save E-mail Alarm Action

Select the **Email** Action and click **Test…**
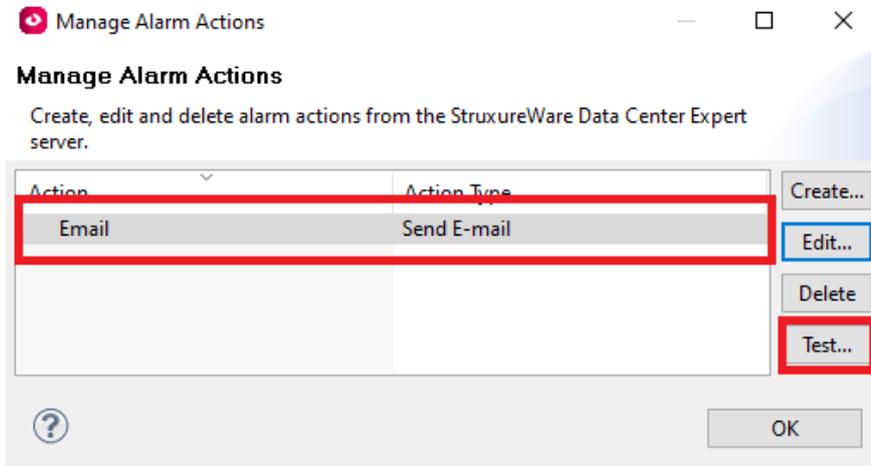
Figure 15: Test Email Alarm Action

If successful, a popup will appear as shown below:
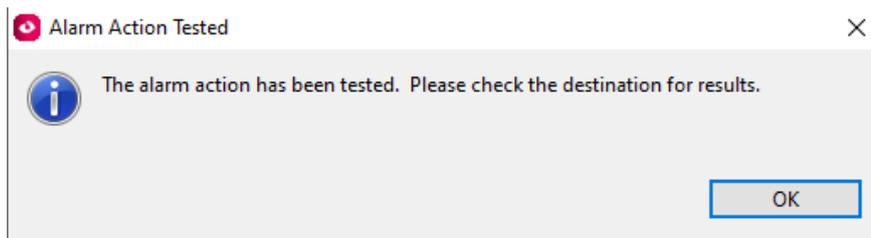
Figure 16: Test Successful on Data Center Expert

To confirm that sendQuick has subsequently received the email and sent out as SMS, go to sendQuick dashboard. Navigate to:

Usage Logs > Message Logs

Click on the **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.
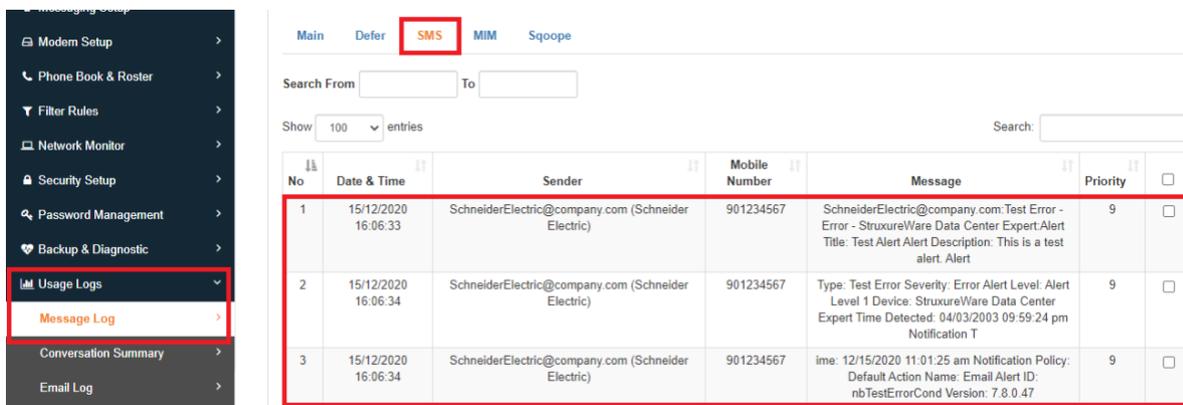
Figure 17: Test Successful on sendQuick

3.0 Send SMS via HTTP Method

Similarly, notification alerts can be sent to sendQuick from Data Center Expert via HTTP method. For this method, no configuration is needed in sendQuick.

3.1 Configure Alarm Action in Data Center Expert to send SMS

In the Data Center Expert dashboard, navigate to

Alarm Configuration > Manage Alarm Actions
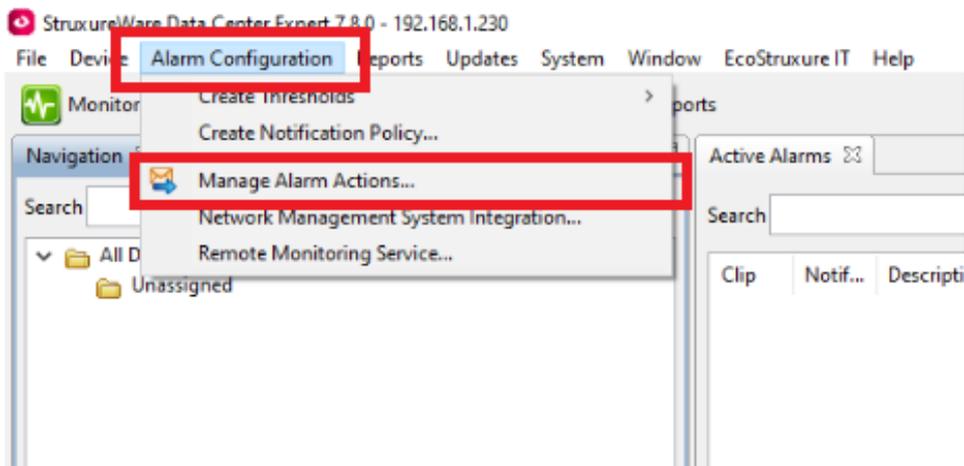
Figure 18: Data Center Expert Dashboard

Click on **Create**
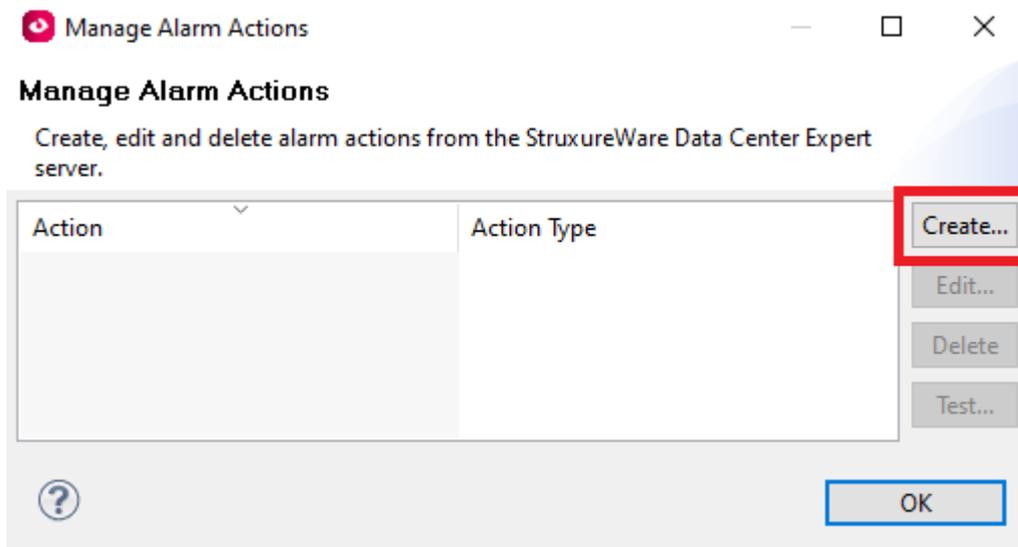
Figure 19: Manage Alarm Actions Page

Select **Send HTTP POST** under **Alarm Action Type** and click **Next**
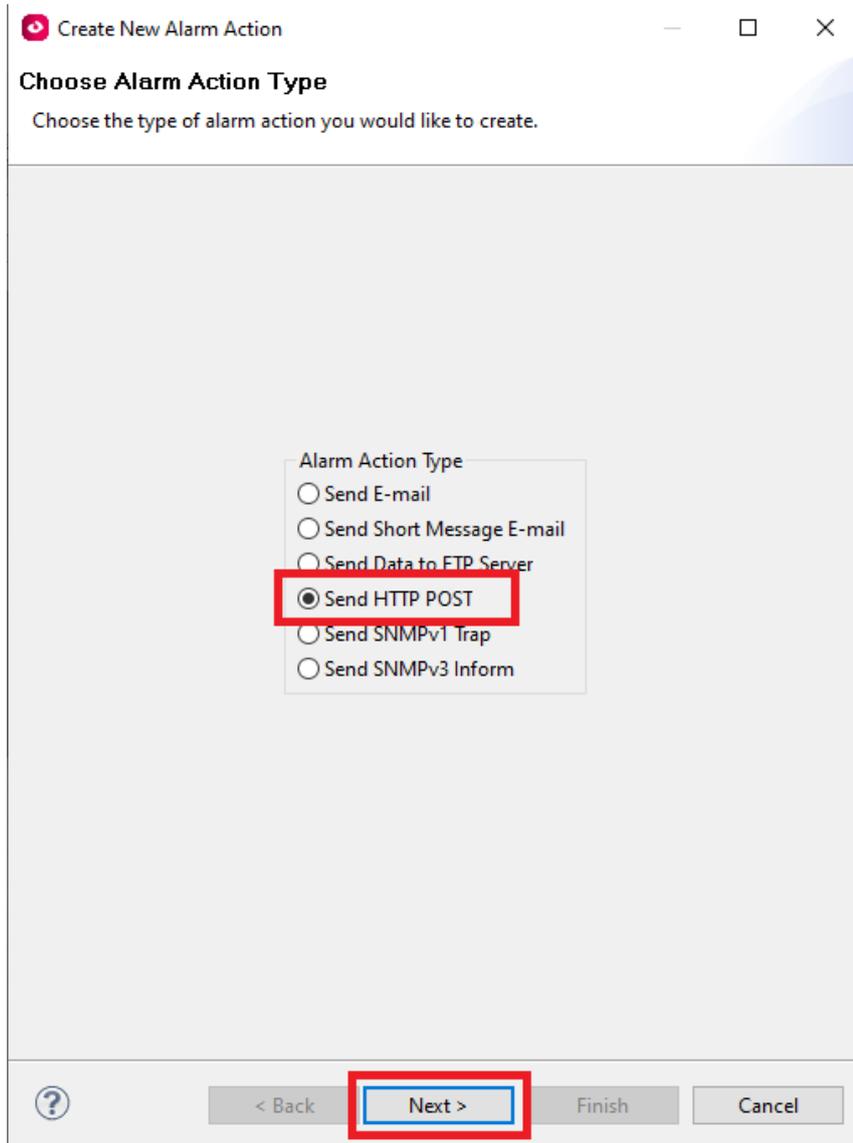
Figure 19: Create New Alarm Action Page

Enter any name under **HTTP POST Action Name.**

Fill the **Target URL** field with the sendQuick HTTP URL string as follows:

http://<sendQuickIP>/cmd/system/api/sendsms.cgi?tar_num=%SMSNUMBER&tar_msg=%SMSTEXT

Replace **<sendQuickIP>** with the IP address of sendQuick system.

Replace **%SMSNUMBER** with the number of your target user.

Replace **%SMSTEXT** with your own message.

Fill up **Target User ID**, and **Password** to confirm the changes made. Click **Finish.**

Figure 20: Configure HTTP Post Alarm Action

Select the **Email** Action and click **Test…**
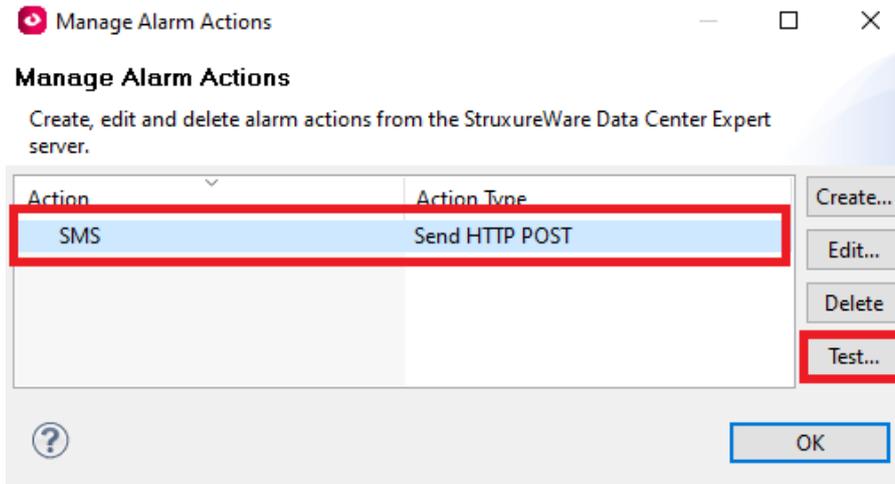
Figure 21: Test HTTP Alarm Action

If successful, a popup will appear as shown below:
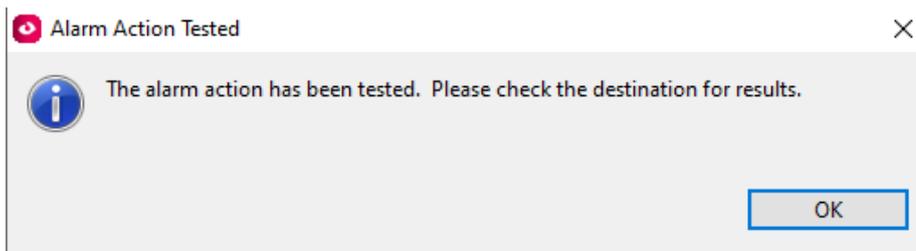
Figure 22: Test Successful on Data Center Expert

To confirm that sendQuick has subsequently sent out the SMS text, on the sendQuick dashboard, navigate to:

Usage Logs > Message Logs

Click on the **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.
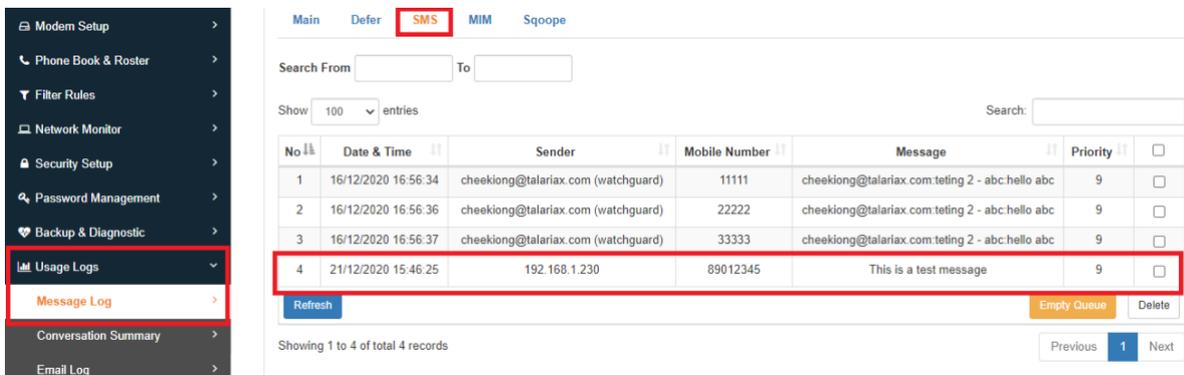
Figure 23: Testing Successful on sendQuick

4.0 Send SNMP Trap to sendQuick

Data Center Expert can also send alerts to sendQuick via SNMP trap. In sendQuick, we create a rule under SNMP Trap filter. On Data Center Expert, create a corresponding Alarm Action to match this filter. Once matched, sendQuick can receive the notification via SNMP trap and subsequently sent it out as SMS.

4.1 Configure SNMP Trap Filter in sendQuick

Configure the SNMP trap filter on sendQuick. At the sendQuick dashboard, navigate to

Filter Rules > SNMP Trap Filter

Click on **Add New Record.**
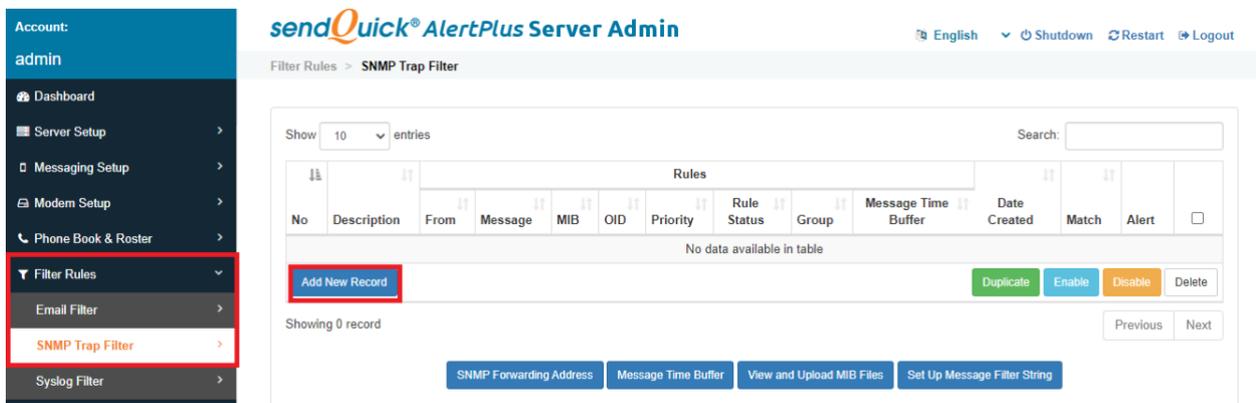
Figure 24: SNMP Trap Filter Page

Give the filter an appropriate name under **Description**.

Key in the IP address of the machine Data Center Expert was installed on under the **From** field.

Click **Save** to continue.

Figure 25: Add SNMP Filter Rule

Click on **View** for the record that you have created

Figure 26: View SNMP Trap Filter Record

Click on **Add New Record**

Figure 27: Add New Record

Add in the phone number to receive the alerts under **Mobile Number to Receive Alert**.

This is the page to also add other phone numbers, emails or groups to receive the same notification alerts.

Once completed, click on **Save**.

Figure 28: Add Mobile Number

4.2 Configure Alarm Action in Data Center Expert

Next, configure the Alarm Action that can be used. In the Data Center Expert dashboard, navigate to:

Alarm Configuration > Manage Alarm Actions
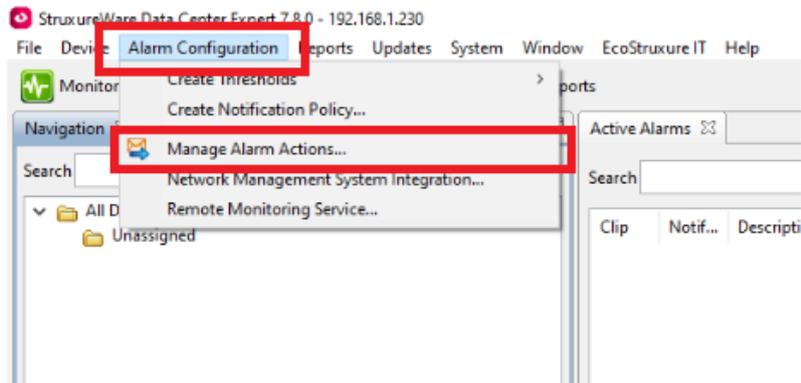
Figure 29: Data Center Expert Dashboard

Click on **Create**
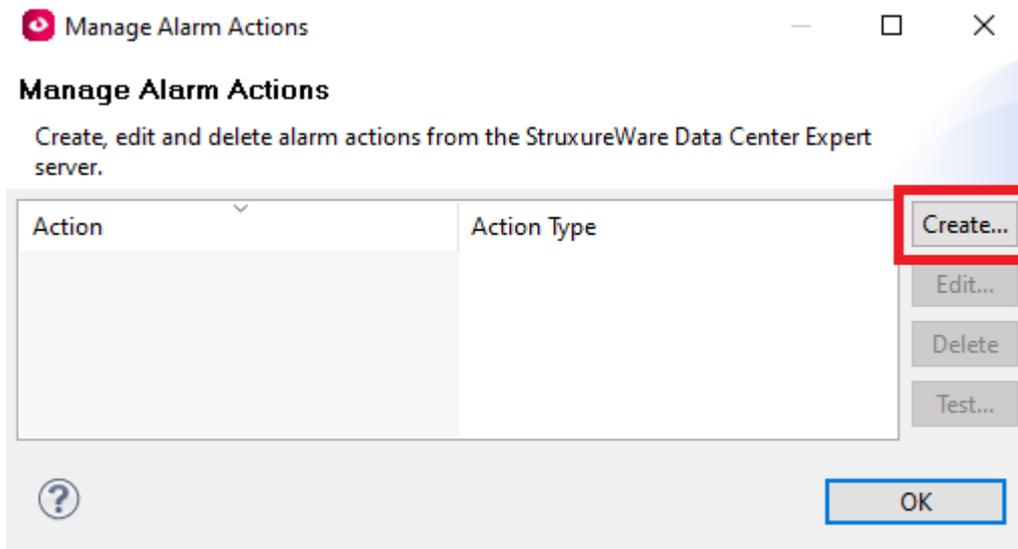
Figure 30: Manage Alarm Actions Page

Select **Send SNMPv1 Trap** under **Alarm Action Type** and click **Next**
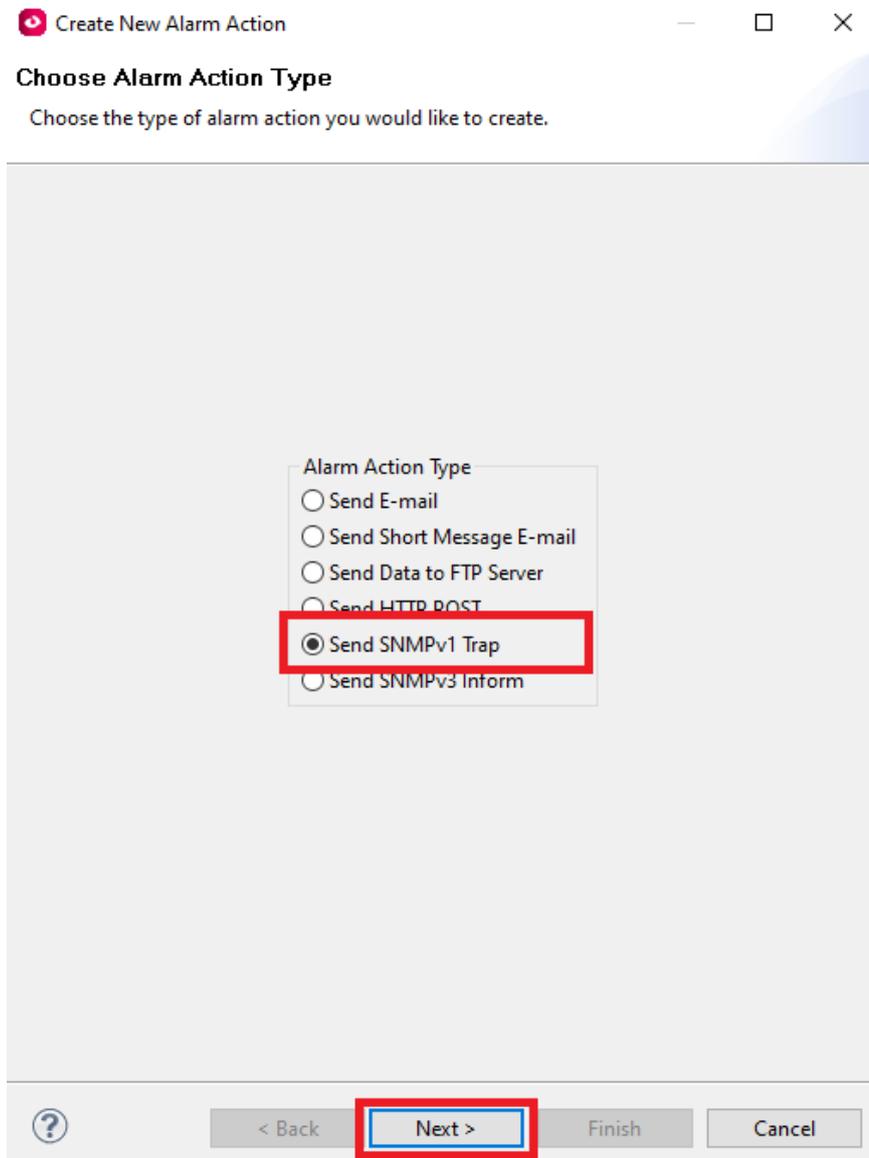
Figure 31: Create New Alarm Action Page

Enter any name of your choice under **SNMPv1 Action Name**

Enter the IP address of sendQuick system under **Target Host Address**.

You can leave the **Trap Port Number** as 162 and public for **Community String**.

Click **Finish**

Figure 32: Configure SNMP Alarm Action

Select **SNMP Trap Action** and click **Test**
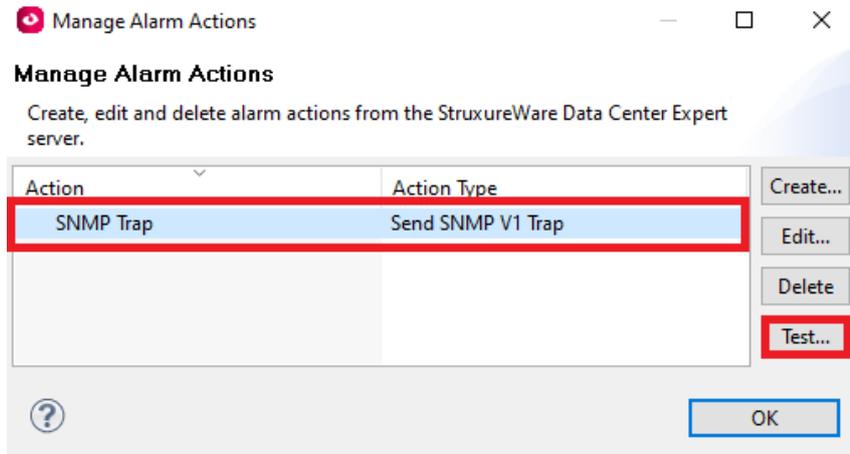
Figure 33: Test SNMP Alarm Action

If successful, a popup will appear as shown below:
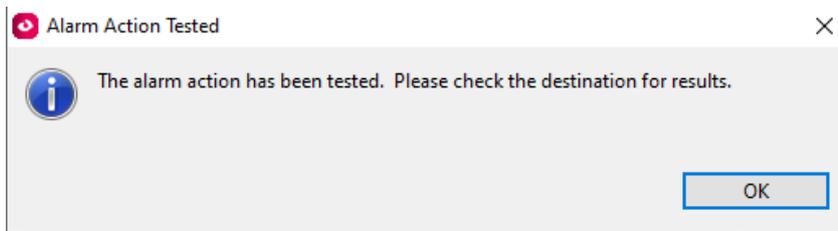
Figure 34: Test Successful on Data Center Expert

To confirm that sendQuick has subsequently received the SNMP Trap and sent out as SMS, go to sendQuick dashboard. Navigate to:

Usage Logs > Message Logs

Click on the **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.
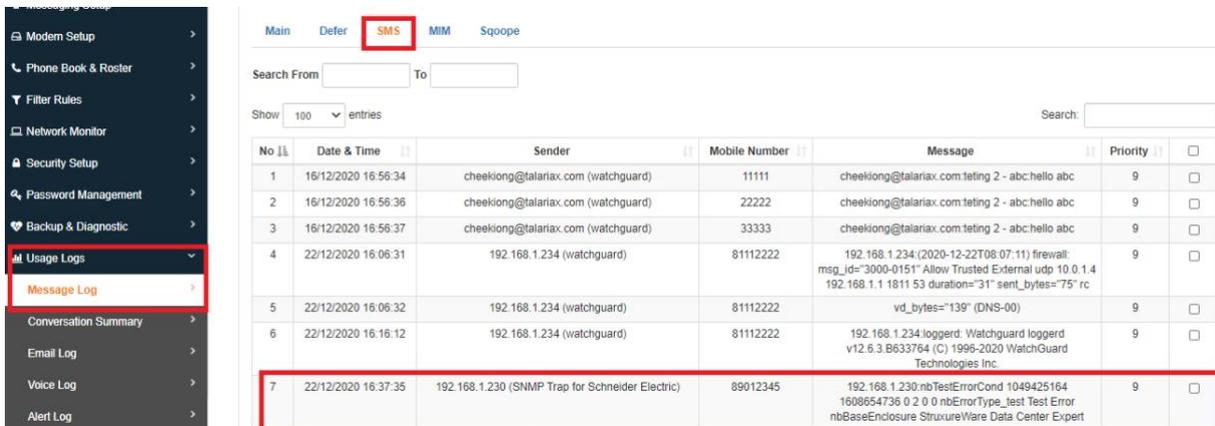
Figure 35: Test Successful on sendQuick