



# ManageEngine OpManager – sendQuick Integration Guide Version 1.1

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# **REVISION SHEET**

Release No.	Date	Description
1.0	04/11/2019	First published version
1.1	18/02/2021	Revised with new format



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# ManageEngine OpManager – sendQuick Integration Guide

# **1.0 Introduction**

## 1.1 About TalariaX Pte Ltd

TalariaX<sup>™</sup> 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 is a guide on how to integrate sendQuick with ManageEngine OpManager to send SMS alerts. In this guide, we will be using sendQuick Alert Plus for the integration.

There are several ways to send alert messages from ManageEngine OpManager to sendQuick systems. You can use any of the following methods

- SMTP Delivery (email method)
- SMS Delivery (http method)





# 2.0 Send Email to sendQuick (SMTP Delivery)

When any device is down or there is a need to send a notification alert, OpManager can trigger an email to sendQuick. sendQuick will then convert the email message to SMS. For this setup, sendQuick has a built-in SMTP that OpManager can use as the SMTP Mail Server.

## 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: Setting up Email filter on sendQuick

#### Click on Add New Record.

You can then create a new record to define the email address OpManager should send to. In our example, we will use **OpManager**@alertplus64.sendquick.messenger

The user email can be anything meaningful that you choose but the domain name of the email address must correspond to your domain name of your sendQuick system.

Fill in the **Description, Mail To, Mail From** (Optional) and for **Match Mode**, check on **ANY**. Once done, click **Save**.



Image: Image

dd Mail Filter Ru	le		×
Description	ManageEngine OpManager		
Mail To 🗹	Variables Usage OpManager@alertplus64.sendquick.mess enger		
Mail From 🗹	notification@obmanager.com		
Subject 🗌			
Message 🗌			
Match Mode 🤇	O ALL <sup>®</sup> ANY		
Priority	5 ~		
		Sa	Cancel

Figure 2: Configure the email filter rule

### Click on $\ensuremath{\textit{View}}$ for the record that you have created :

## sendQuick<sup>®</sup> AlertPlus Server Admin

Filter Rules > Email Filter

11					Date					
No	Description	To 🕼	From 11	Subject	Message	Priority	Created	Match	Alert	
1	ManageEngine OpManager <i>⊠</i>	OpManager@alertplus64.sendquick.messenger	notification@opmanager.com			5	30/09/2019	Any	View	





### Then click on Add New Record

J≞ No	Manual Input	Phone Book User	Manual Input 🏦	Phone Book User	Alert Message	R
ĮĿ						
	Δler	rt SMS	Alert Email		11	
Show	10 V entries					
		Match Mode	ANY			
		Subject				
		Mail From	notification@opmana	ger.com		
		Mail To	OpManager@alertpl	us64.sendquick.messenger		
		Description	ManageEngine OpM	anager		
		Description	E ManageEngine OpM	mail Filter Rules		

Figure 4: To configure receiver of alerts

You can then add multiple numbers, emails, or even pre-defined groups to receive the notification alerts.

		Email Filter Rules
	Description	ManageEngine OpManager
	Mail To	OpManager@alertplus64.sendquick.messenger
	Mail From	notification@opmanager.com
	Subject	
	Message	
	Match Mode	ANY
Alert Message	ASCII Text (ISO-8895-1) V	The default message is: xFRx:xSUBx:xMSGx where:
	xFRx:xSUBx:xMSGx	<ul> <li>xFRx is From (Email)</li> <li>xSUBx is the Email subject</li> </ul>
		<ul> <li>xMSGx is the Email message</li> </ul>
Alert Recover	Mobile Number to Receive A	lert Email to Receive Alert
	93873088	andyhun@talariax.com
$\zeta$	93873088	andyhun@talariax.com

Figure 5: Adding mobile numbers to receive alerts for this filter rule

After you have keyed in the information, click on **Save** to continue.



*Quicktip* - To check your host and domain name, you can find the value in the sendQuick dashboard under **System Overview** under **Host** and **Domain**.

For e.g. our domain name is *alertplus64.sendquick.messenger* 

Account:		sendOuick <sup>®</sup> AlertPlus Server Admin				
Imin		Dashboard				
Dashboard						
Server Setup	>	System Overview	System Usage M	Aodem Status		
Messaging Setup	>					
Modem Setup	>	Host	alertplus64			
Filter Rules	>	Domain	sendquick.messenge	er.		
etwork Monitor	>	Gateway	192.168.1.1			
Security Setup	>	DNS Server	127.0.0.1			
		System Version Figure 6: System	Version: 20150606 m Overview			



## 2.2 Configure SMTP Delivery on OpManager

On the dashboard of OpManager, navigate to the following item :

#### Settings > General Settings > Mail server settings

OpManager						O License will expire in 26 days	uest Demo 🚀		
Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps Apps	Workflow Setti	ngs	Reports
Overview	<ul> <li>✓ Net</li> </ul>	work ~	Servers	<ul> <li>Virtualization</li> </ul>	~ (	Mail server settings	General Settings	>	
		Creat	e your own Dasht	ooard: You can add custon	n dashboa	SMS Server Settings	Discovery	>	add now. 🛞
						Proxy Server Settings	Configuration	>	
Business Vie	ew					User Management	Monitoring	$\rightarrow$	
TEST.	the second second	NE	BRASKA	Chicago -		Server Settings	Notifications	>	
	EVADA	United Sta	es	OHIO	NO DE	SSH Settings	Tools	>	

Figure 7: Confgure settings on OpManager

In the **Mail Server Settings** section, key in your sendQuick IP address in the **Server Name** field as shown in the screenshot below. Enter a **Time Out** interval. For the **To Email ID** fill in the email address you have used for the email filter as in the previous section (*Section 2.1 Configure Email Filter in sendQuick*) In our example, we have configured OpManager@alertplus64.sendquick.messenger

OpManager					() License	e will expire in 2	6 days 🔇 Get Quote 🌘	🔋 Purchase 回 Requ
Dashboard Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings
General Settings Discovery	Configuration	Monitoring	Notifications	Tools				
General Settings	Mail Server	Settings						
Mail server settings	Server Name			Port		Time Out	(sec)	
SMS Server Settings	192.168.1.87			25		30		
Proxy Server Settings	From Email ID (opt	ional)		To Email ID			?	
User Management	notification@opr	nanager.com		OpManage	r@alertplus64	.sendquick.r	nessenger	
Server Settings								
SSH Settings	Authentication De	etails (optional)						
System Settings	User Name			Password				
Database Maintenance								
Rebranding	Secure Connection	n Details						
REST API	SSI Enabled	TI S Enable	d 🦱 None					
Device Snapshot Settings	JSE Enabled							
Security Settings	Add a secon	dary mail server (d	optional) ?			Ser	nd Test Email	
Privacy Settings								
Third Party Integrations								
Self Monitoring					Cance	21	Save	

Figure 8: Configure mail server settings

By default, the **Port** is 25. Leave the **Authentication Details - User Name** and **Password** 



fields blank.

For **Secure Connection Details**, you can select any of the methods listed provided they are installed in both OpManager and sendQuick. If you are unsure if the protocols are installed on your servers, select "*None*"

Quicktip - To following item of	check what you on the sendQuick	installed or dashboard	n sendQuick, navigate to d :	the
Security Setup	0 > 55L Setup >	SSL Proto	DCOI	
Account:	sendQuick® Entera	Server Admin	🔯 English 💌 🕻	් Shutdow
admin	Security Setup > SSL Setup			
2 Dashboard				
E Server Setup >			Z Enable SSL service.	
0 Messaging Setup		Please make sure th	he following data is valid. Else SSL service will fail to start	
Modern Setup	SSL	Кеу		
C Phone Book & Roster		REGIN RSA PRIVATE KEY		
▼ Filter Rules	MII 14e	EpAIBAAKCAQEAyEWZSzr49Er9Z0 mamTar+XyETvb3mFjc7o16dBRzB1	ayEbkT3upOnI0V71A3GG7o2REx/HrZz35bP aa/SrC42RQWnzafGBUDt795F5CbSaShq3e	
Network Monitor	/sw IUC	HHe1Nny3ywOFvOD3n9QRDnQLji2 hygHGSHSs1wOfjye9PJi8B/BEA/L	2szpnMHQVuRVLHGfAZHVx9xvATBwLw+Zdl/ JjgMgX+E6ZyYpiZGA03cOnC8kSGObxmf1r	
A Security Setup	W5 693	WQ6ZvALNFY/TWXps1RYqw50K5F 3gDj98GMvRBAT4WlhFUbScpvQYd	xzStxct0w70kKnN3z9Y1xxw3bCmGykzZ2qcF irHpkJrDNQIDAQABAoIBACOxQ8DEodnoA4Ee	
HTTP Host Permission >	2ft/ Kni	ND1mRNy0elRMV4VjPtxw1BfLTUZN 00QceE+U0nNFr2UATWeSialzyQw0	NnrWMchCLKgAvWxT3NhhMAw19Al7JYcqe8 Ix9cGC4vAv5XvwflEQL6WZ8ofpo6CPzf9o5	
SMTP Host Permission	INt WE	pZMGhMCWICX/RJqXAVOTNdDqF/ PilmmT16H2Od+85ZZekMiQz5dVd/	AUQxMxXoCHhg+JDqH6ZKdfUsue0CK2MKCBUz Od1qRS/NibG3WyvCiW15Kv36srnC6Cr0YYE	
Email User Permission	724 v/9	JeWMiXyQvRnXwn3/aNcF3HLauLYj FVAECgYEA72r098RmqS5tDxGMB	y2kG1ScNPADEUV1ZUqfEsH9bulQ/IRWX79Q 1368euukHQp6iL/rg6wt21K2qiQKtpKRpOs0	
Relay Host Permission	ykj kB	<pre>KYYEDg8wo6fksChXFqK1Bm8J0Ry +X3ivTuFurwbAwpAczYWpNxK/+Fki</pre>	/7gSt0uwqWqpopBHPxQXTeUwYwiejCz2A/Q JawLWIGNCW10UjIPNY+n8fbnkCgYEA1ISw	
Database Connection Permission	tvJ	8tfwm7jsO27EhWfNpWBeNLvV9JK	rTb8vV8ARvWJEIBlyZw+9PAg3klommncn3	
Mobile Number Permission	SSL	Certificate		
System Services		SSL CA	🛛 Use CA File	
SSH Remote Access			<ul> <li>Use Existing server.ca (09/09/2019 10:45:42)</li> </ul>	
SSL Setup			ALL (TLSv1 and TLSv1.2)     o file selected.	
Token Management		SSL Cipher Strength	TLSv1 TLSv1.2 (Recommended)	
J	5' 0.0'	SSL Protocol	ALL (TLSv1 and TLSv1.2)	
	Figure 9: SS	SL Setup on se	naQuick	

After the configuration, click on the **Send Test Email** to test if the setup is correct.

Rebranding	Secure Connection Details ?			
REST API	SSI Enabled TLS Enabled None			
Device Snapshot Settings				
Security Settings	Add a secondary mail server (optional) ?		Send Test Email	
Privacy Settings				
Third Party Integrations				
Self Monitoring			_	
		Cancel	Save	
	Figure 10: Send Test Email			



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 **Sent** tab and **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.

Account:	sendQuick® AlertPlus Server Admin	🕅 English	〜 Ů Shutdown	C Restart	🕒 Logout
admin	Usage Logs > Message Log				
🚯 Dashboard					
Server Setup >	Queue Sent Upsent Inbox				
Messaging Setup >					
⇔ Modem Setup >	SMS Sqoope				
▼ Filter Rules >	Search From 30/09/2019 To 30/09/2019				
Network Monitor	Show 100 v entries		Search:		
A Security Setup >	13 Data 8 10 Delivery 12 Turnaround 12 10 Mobile 10				
♣ Password Management >	No Timo Dato Timo Sondor Number Meesago	1	IMEI	Driority	
Sackup & Diagnostic	1         30/09/2019         30/09/2019         00:15         notification@opmanager.com         93873088         notification@opmanager           11:16:08         11:16:11         (ManageEngine OpManager)         Mail:OpManager Testing Prima	r.com:Test ary Mail Please	3591800835056	82 5	
Usage Logs	ignore				
Message Log >	Save CSV Save Excel Save PDF Keiresn		Empty	OUTDOX	Delete
Conversation Summary >	Showing 1 to 1 of total 1 records		Pre	evious 1	Next
Email Log >					
Alert Log >	Copyright © 2002-2019, TalariaX Pte L	.td, Singapore. Al	II Rights Reserved.	Mon, 30 Sep	2019 11:16

Figure 11: Message log on sendQuick



## 2.3 Configure Email Based SMS Notification Profile

Next, configure the notification templates that can be used by notification triggers. In the ManageEngine OpManager dashboard, navigate to :

#### Settings > Notifications > Add Profile



Figure 12: Add Notification Profile on OpManager

Select the **Email based SMS Notification Profile**. It's important to use the same email address configured in Section 2.1 for the Mail Filter for the **To Email Address** field.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps Apps
General Settings	Discovery	Configuration	Monitoring	Notifications	Tools	
Prot	Profile Type		Criteria		Device	Selection
Notificatio	on Profile					0
	E	Ē	(***)			=
Email	Email based SMS	SMS	Chat	Run System Command	Run Program	Log a Ticket
Mail Compositi	on					
From Email Addr	ress		To Email Add	Iress ?		
notification@o	pmanager.com		OpManage	er@alertplus64.sendq	uick.messenger	
Subject		?	Subject Varia	able		
\$stringseverity	/ - \$displayName		Select Subj	ect Variables		•

Figure 13: Select Email based SMS notification profile

Configure the email **Subject** and **Message** with the relevant parameters that you want to appear in your alert messages. Click on **Next.** 



Next, select the criteria that will trigger the alerts.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings
General Settings	Discovery	Configuration	Monitorin	g Notifications	Tools				
Pro	ofile Type		Criteria		De	evice Selection			Schedule
	Ø		<u> </u>			-0			
Send Ema Choose the criteria Criteria	il - Choose the atobe satisfied for a n	he criteria otification profile to be	triggered. Learn mo	re					
Hardware	in problematic cond	lition ?							
□ Interface	or switch port has so	me problems 🥐							
When any	Selected (0 17	) Service is down							
When any	Selected (0 15	) Windows Service	e is down						
When any	Selected (0 6)	Printer Monitor is	down						
		Fig	ure 14: Ch	noose criteria	to trigge	er alerts			

Select the **Severity** level to reach before notification is sent. After your selection, click on **Next**.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps
General Settings	Discovery	Configuration	Monitorin	g Notifications	Tools	
Pro	file Type		Criteria		Devi	ce Selection
Send Emai Choose the criteria	l - Choose th to be satisfied for a no	ne criteria	triggered. Learn mo	re		
When any	NFA alarm is trigger	ed				
When any	Storage Alarm is trig	gered				
When any	interface bandwidth	exceeds its speed				
Notify when	en the alarm is cleare	d ?				
Notify only wher	n severity is					
Critical	🖊 Trouble 🗸 🧳	Attention 🖌 Ser	vice Down			
Back				Cancel	Next	





You should already have used OpManager earlier to discover devices in your network and have them in the **Inventory.** Select the **Devices** that are in the Inventory to attach this notification profile.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings
General Settings	Discovery	Configuration	Monitoring	Notifications	Tools				
Prof	file Type		Criteria		De	evice Selection			Schedule
	$\oslash$		$\overline{\bigcirc}$						-0
Send Emai	l - Associate	Notification	n Profile						
		Select		Ψ					
		Available De	vices		Selected Devic	ces			
		192.168.1.8	9	^	192.168.3.85				
		192.168.1.9	5	•					
		192.168.1.9	6						
		192.168.1.9	8						
		192.168.3.1							
		dnscache1.s	ingnet.com.sg	~					

Figure 16: Select devices to associate the Alert trigger

OpManager allows you to **Schedule** when the alert should be sent. Configure according to your requirements.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings	Reports
General Settings	Discovery	Configuration	Monitoring	g Notifications	Tools					
Prot	file Type		Criteria		D	evice Selection			Schedule	
Send Emai	1		$\odot$			$\odot$				
Time Window										
Apply this	profile 24x7	Apply this profile d	uring specific tim	e window						
Delayed Trigge	r (?									
Trigger after		Minutes								
Do not trig	gger if the alarm is	Acknowledged								
Recurring Trigg	ger ?									
Trigger Interval		Minutes								
Restrict no	umber of triggers t	0	times							
Do not trig	gger if the alarm is	Acknowledged								
			<b>E</b> :	0 1 1			- 1 (			

Figure 17: Configure the schedule of the alert



Finally, you can give a profile name for this Notification Profile.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings	Reports	
General Settings	Discovery	Configuration	Monitori	ng Notification	is Tools						
Pro	file Type		Criteria		C	evice Selectio	on		Schedule		Preview
	Ø					<u>O</u>			⊘		
Send Ema	il based SMS	5									
Notification Typ	e	Send	Email based SM	S							
Notification Det	ails	Subj	ect: \$stringsever	ity - \$displayName							
		To: OnM	lanager@alertnl	us64 sandquick mass	ongor						
		Mes	sage: Message: 9	message Device:	enger						
		\$dis Con	olayName Categ	ory: \$category Error verity Generated at:							
		\$strl	ModTime								
Time Window		24*7	,								
Devices to be as	sociated	10.0	2.15								
Monitors		Polli	ng								
		false									
Give profile nam	e to add		_								
sendQuick Ale	rt										
											_
			Figure 18	3: Create a	profile n	ame foi	r the ale	rt notificat	ion		

To test if the configuration is correctly setup, click on the **Test Action** button.

Profile Type		Criteria		Device Selection	
$\odot$		-0-			
Send Email based SMS					
Monitors	Polling false				
Give profile name to add					
sendQuick Alert					
Back		Cancel	Test Action	Save	

Figure 19: Test notification

After the test is successful, you can **Save** this profile.



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 **Sent** tab and **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.

Account:	send <mark>()</mark> uick	AlertPlus Serv	er Admin		Inglish	• 🖞 Shutdown 🗘	Restart	🕩 Logout
admin	Usage Logs > Mess	age Log						
2 Dashboard								
I Server Setup >	Queue	Unsent Inbox						
0 Messaging Setup								
G Modem Setup     →	SMS Sqoop	e						
▼ Filter Rules >	Search From 30/1	0/2019 <b>To</b> 30/10/2019						
Network Monitor								
Security Setup	Show 100 •	entries				Search:		
A Password Management	No Time	Delivery Turnaround Date Time	Sender	Mobile Number	Message	IMEI	Priority	* 
Backup & Diagnostic	1 30/10/2019 18:15:48	30/10/2019 30:11 18:15:52	notification@opmanager.com (ManageEngine OpManager)	93873088	notification@opmanager.com:\$stringseverity - \$displayName:Msg: \$message Dev: \$displayName Cat: \$category Error Cond: \$stringseverity Gangersted at: \$stringseverity Gangersted at:	359180088005449	5	0
Message Log	Save CSV Sa	ve Excel Save PUF	eiresh		you ingooreiny denerated at. you wou inne	Empty O	utbox	Delete
Conversation Summary	Showing 1 to 1 of to	tal 1 records				Previo	ous 1	Next
Alert Log				Copyri	ight © 2002-2019, TalariaX Pte Ltd, Singapore. All	Rights Reserved. We	id, 30 Oct	2019 18:15

Figure 20: Message log of sendQuick



# 3.0 Send SMS Message via HTTP Method

Alternatively, sms notification alerts can also be sent via sendQuick from OpManager using the HTTP method. You do not need to do any configuration in sendQuick.

## 3.1 Configure SMS Server in OpManager

On the dashboard of OpManager navigate to the following item :

#### Settings > General Settings > SMS Server Settings

Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings	P
Servers	<ul> <li>Virtualization</li> </ul>	n v	Mail server settin	gs	General Settings		
our own Dashl	board: You can add custo	m das'ıboa	SMS Server Settin	igs	Discovery	>	add now.
			Proxy Server Sett	ings	Configuration	>	
			User Managemen	t	Monitoring	>	
SKA IOWA	Chicago		Server Settings		Notifications	>	
	OHIO	MD	SSH Settings		Tools	>	+
INSAS MISSOU	RI VIRGINIA	1	System Settings				

Figure 21: Select SMS Server Settings on OpManager



Under the **SMS Gateway** tab, fill the **HTTP URL** field with the sendQuick *http URL string* as follows:

#### http://<sendQuickIP>/cmd/system/api/sendsms.cgi

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

For the field HTTP Parameters, fill the following

#### tar\_num=\$recipient&tar\_msg=\$message

#### See the example :

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings	l
General Settings	Discovery	Configuration	Monitoring	Notificatio	ns Tools					
General Settin	gs	SMS Server	Settings							
Mail server setting	s									
SMS Server Setting	ţs	SMS Gatew	ay	SMPP						
Proxy Server Setti	ngs					_				
Jser Management			= http://102.1	(9.1.0 <i>6</i> /org.d /ov.sto	m/ani/condeme e			(r)		
erver Settings		1031	* http://192.10	56.1.96/cmd/syste	m/api/sendsms.c	gi				
SH Settings		HTTP Parameters	*					?		
System Settings		tar_num=\$recip	ient&tar_msg=\$me	essage						
Database Mainten	ance									
lebranding		Request Headers						?		
RESTAPI		Content-Type : a Authorization: B	pplication/json asic QWxhZGRpb	pvcGy						
Device Snapshot S	ettings	0.0			<b></b>					
ecurity Settings		Success Response		?	Failure Respo	nse		(Y)		
rivacy Settings		SIMS Sent Succes	sstully		Unable to se	na SIVIS				
Third Party Integra	itions	* Note : Please ensure	e that you read and foll	ow the Terms of Use c	of the provider.					
elf Monitoring										
					Delete	Send Test SM	is s	Save		

Figure 22: Example of SMS server settings

After the configuration, you can do a test to see if it works. Click on **Send Test SMS**. Enter the **Mobile number** to receive the test SMS and click on **Send**.

Test SMS			>
Mobile number (with country code)			
	Cancel	Send	





If the test is successful, a message will appear as follows under **SMS Gateway API Response** :

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow
General Settings	Discovery	Configuration	Monitor	ing Notificati	ions Tools			
General Settin	ngs	SMS Server	Settings					
Mail server setting	ţs	CMC Control		CMDD				
SMS Server Setting	gs	5M5 Gatew	ay	SMPP				
Proxy Server Setti	ngs							
User Management	: [	▲ SMS Gate	way API Res	ponse				$\times$
Server Settings		OKQueued: M9	5ca7081e64f4	4d182de6ba3f2279	295			
SSH Settings								2
System Settings				04/04/04/04/04/04/04	····· · · · · · · · · · · · · · · · ·			
Database Mainten	ance	1051	* nttp://19.	2.168.1.96/cmd/syst	em/api/sendsms.c	gi		
Rebranding		HTTP Parameters	*					?
REST API		tar_num=\$recip	ient&tar_msg=\$	Smessage				
Device Snapshot S	ettings	Fig	gure 24: No	tification of test	t status			

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

#### Usage Logs > Message Logs

Click on the **Sent** tab and **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.

Account:	send	uick®Al	ertPlus S	Server Ad	dmin		t English	• 🕑 Shutdown	C Restart	(+ Logout
admin	Usage Logs	> Message Lo	9							
🏙 Dashboard										
III Server Setup →	Queue	Sent U	nsent Inb	xox						
0 Messaging Setup	$\frown$									
A Modern Setup	SMS	Sqoope								
▼ Filter Rules	Search Fro	31/10/2019	To 31/10	0/2019						
Network Monitor	Show 10	0 entries						Search:		
A Security Setup										
Revealed Password Management	No	Date & I Time	Date	Turnaround Time	Sender	Number	Message	IMEI	Priority	
♥ Backup & Diagnostic >	1 3	1/10/2019 : 10:28:26	31/10/2019 10:28:27	00:12	192.168.3.69	93873088	Test SMS from OpManager	35918008800544	99	0
Lall Usage Logs 🗸 🗸 🗸	2 3	1/10/2019	31/10/2019	00:11	192.168.3.69	93873088	Test SMS from OpManager	35918008800544	9 9	0
Message Log	0	10:22:41	10:22:42	Determine						Delate
Conversation Summary	Save CS	Save Excel	Save PDF	Hefresh				Empty	Outbox	Delete
Email Log >	Showing 1	to 2 of total 2 re	cords					Pres	rious 1	Next





## 3.2 Configure Notification Templates

Next, configure the notification templates that can be used by notification triggers. In the ManageEngine OpManager dashboard, navigate to :

#### Settings > Notifications > Add Profile

			() License	🔉 License will expire in 29 days 🔇 Get Quote 🨨 Purchase 💷 Request Demo				•		۰	₽	8
Virtu	alization	Alarms	Maps	Apps	Workflow	Settings	Re	ports				:
5	Notifications	Tools			General Settings	s >						
		Der	vice Selection		Discovery	$\rightarrow$			Previe	w		
			_0		Configuration	$\rightarrow$						
					Monitoring	$\rightarrow$						
		Add	d Profile	0	Notifications	>						^
			Add Co		Tools	$\rightarrow$						
							_					

Figure 26: Add Notification profile on OpManager

Select the SMS Notification Profile. Fill in the Mobile number to receive SMS alerts.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps A
General Settings	Discovery	Configuration	Monitori	ing Notifications	Tools	
Prof	- Ile Type		Criteria	1	Devid	ce Selection
Notificatio	n Profile					
		Ţ.	<u></u>			
Email	Email based SMS	SMS	Chat	Run System Command	Run Progran	n Log a Tic
SMS Compositio	on					
Select Gateway			Mobile nu	mber (with country coo	le)	
SMS Gateway		~	938730	88		
Message		?	Select Me	ssage Variables		
Message: \$mess Device: \$display Category: \$cate Error Condition Generated at: \$	sage /Name gory : \$stringseverity strModTime		Select M	lessage Variables		v
				Cancel	Next	





Next, select the criteria that will trigger the alerts. Select the **Severity** level to reach before notification is sent. After your selection, click on **Next**.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps
General Settings	Discovery	Configuration	Monitoring	Notifications	Tools	
Pro	file Type		Criteria		C	Device Selectio
	Ø					-0
Send SMS	- Choose the	criteria				
Choose the criteria	to be satisfied for a no	tification profile to be	triggered. Learn mor	e		
	-					
When any	Configuration is cha	nged				
When any	NFA alarm is trigger	ed				
When any	Storage Alarm is trig	gered				
When any	interface bandwidth	exceeds its speed				
Notify when	en the alarm is cleare	d ?				
Notify only when	n severity is					
<ul> <li>Critical</li> </ul>	/ Trouble /	Attention 🖌 Ser	rvice Down			
Back				Cancel	Ne	xt

Figure 28: Select severity level for this Notification

You should already have used OpManager earlier to discover devices in your network and have them in the **Inventory.** Select the **Devices** that are in the Inventory to attach this notification profile.

General Settings Discovery Profile Type Send SMS - Associate	Configuration Monitor Criteri	ring Notifications	Tools Device Selectio	yn
Profile Type	Criteri	a	Device Selectio	n
Send SMS - Associate	Notification Profile		0	
Send SMS - Associate	Notification Profile			
By Devices	Filter Devices			
	Select	Ψ.		
	Available Devices	^	Selected Devices	0
	192.168.1.102		10.0.2.15	
	192.100.1.114		10.0.2.2	
	192 168 1 122		192.168.1.103	
	192.168.1.133	4	192.168.1.111	
	192.168.1.134		192.168.1.113	
				-

Figure 29: Select devices to associate with this Notification Profile



OpManager allows you to Schedule when the alert should be sent. Configure according to your requirements.

Dashboard	Inventory	Network	Servers	Virtualization	Alarms	Maps	Apps	Workflow	Settings
General Settings	Discovery	Configuration	Monitori	ng Notifications	Tools				
Prof	ile Type		Criteria		Dev	vice Selection			Schedule
	Ø					-Ø			
Send SMS									
Apply this	profile 24x7	Apply this profile c	luring specific tir	me window					
Delayed Trigger	?								
Trigger after		Minutes							
Do not trig	ger if the alarm is	Acknowledged							
Recurring Trigg	ger ?								
Trigger Interval		Minutes							
Restrict nu	Imber of triggers t	to	times						
Do not trig	ger if the alarm is	Acknowledged							
Back				Cancel	Next				

Figure 30: Configure the schedule of the alert

Finally, you can give a profile name for this Notification Profile. To test if the configuration is correctly setup, click on the **Test Action** button.

Dashboard Invent	ory Network	Servers Virtual	zation Alarms	Maps Apps	Workflow Settin	gs Reports	:
General Settings Dis	covery Configuration	Monitoring	Notifications Tools				
Profile Type		Criteria	I	Device Selection	Schedule	P P	review
O		⊘			<u></u>		•••
Send SMS							
Notification Details	Mobil	e No:93873088					^
	Messa \$displ Condi \$strM	ege: Message: \$message ayName Category: \$cate tion: \$stringseverity Ger odTime	Device: gory Error erated at:				
Time Window	24*7						
Devices to be associated	10.0.2	.15,10.0.2.2,192.168.1.1	192.168.1.103,192.168.:	1.111,192.168.1.113			
Monitors	Polling false	3					
Give profile name to add		1					
sendQuick Alert SMS							
Back		Cancel	est Action Sa	ve			3 5

Figure 31: Test the notification profile



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

#### Usage Logs > Message Logs

Click on the **Sent** tab and **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.

Account:	sendQuick <sup>®</sup> AlertPlus Server Admin							• OShutdown	Restart	🕩 Logout
admin	Usage Lo	gs > Message	Log							
B Dashboard		0	1							
Server Setup	Que	ue Sent	Unsent Ini	x						
Messaging Setup	-									
⊖ Modern Setup >	( SM:	Sqoope								
▼ Filter Rules >	Search	From 31/10/20	19 <b>To</b> 31/1	0/2019						
Retwork Monitor										
Security Setup	Show	100 entri	88					Search:		
& Password Management	No	Date &	Delivery	Turnaround Time	Sender	Mobile Number	Message	IMEI	Priority	T
V Backup & Diagnostic >	1	31/10/2019 10:37:05	31/10/2019 10:37:07	00:12	192.168.3.69	93873088	Test sms from OpManager - Thu Oct 31 10:44:31 SGT 2019.	359180088005449	9	
ini Usage Logs		01/10/2010 10:28:26	01/10/2010 10:28:27	00:12	192.168.3.69	00870088	Test SMS from OpManager	359180088005449	9	
Message Log	3	31/10/2019 10:22:41	31/10/2019 10:22:42	00:11	192.168.3.69	93873088	Test SMS from OpManager	359180088005449	9	
Email Log	Sav	CSV Save E	cel Save PDF	Refresh				Empty O	utbox	Delete
Alert Log >	Showi	ng 1 to 3 of total 3	records					Previo	ous 1	Next
System Log >										
AuditLog						C	opyright © 2002-2019, TalariaX Pte Ltd, Singapore. A	Il Rights Reserved. Th	nu, 31 Oct	2019 10:37

Figure 32: Message log of sendQuick