

# Integration with sendQuick Alert Plus and WhatsUpGold 2017 Guide

Prepared by

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# Integration with sendQuick Alert Plus and WhatsUpGold Guide

# **1.0 INTRODUCTION**

This document is prepared as a guide to integrate with sendQuick Alert Plus and WhatsUpGold to send SMS.

There are three different ways to send alert messages from WhatsUpGold to sendQuick appliance. You can use one of the following methods.

- Send alerts to sendQuick appliance using CURL program(Command Line).
- Send Email to sendQuick
- Send Syslog trap to sendQuick

# 2.0 Send alerts to sendQuick appliance using CURL program

The sendQuick will receive alerts from WhatsUpGold and convert to SMS.

Please follow the steps below







Step 2 – To add the Program Action, goto 'Action Library' and click on '+' sign.

ipsw	vitch > WUG2017	DISCOVER	MY NETWORK	ANALYZE	SETTINGS		
	Active Script Action	L					
۵.	Beeper Action						
	Configuration Mana	agement Action					
	E-mail Action						
- 9 <sup>6</sup>	Log To Text File						
. 🐂	Pager Action						
-	PowerShell						
	Program Action						
- 5	Service Restart Acti	on					
<b>90</b>	SMS Action						
-	SMS Direct						
- B.	SNMP Set						
۹,	Sound Action						
	SSH Action						
=	Syslog Action						
-	Text to Speech Act	on					
- 🔍	VMware						
۹,	Web Alarm						
6	Windows Event Log						
+	× 4 🛍						
	CURL	Default Web	Email to SMS	Sound-Dowm20	Sound-Down5	Sound-Up5	
		Alarm					

Figure 2 – Add Program Action

Step 3 – Download and install curl program in your computer. Type the following as shown in Figure 3.

#### **Program file name:**

C:\Program Files\curl\bin\curl.exe

#### Working patch:

C:\Program Files\curl\bin\

#### **Program arguments:**

--data-urlencode "tar\_num=91234567" --data-urlencode "tar\_msg=%Device.HostName, %System.Date, %Device.State" <u>http://192.168.1.56/cmd/system/api/sendsms.cgi</u>

(http://<sendQuickIP/host+domain)/cmd/system/api/sendsms.cgi)

# Strictly Private and Confidential

<u> </u>					
	Switch > WUG2017 DISCOVER MY NETWORK ANALYZE SETTINGS      Anne:   Loton Policies   Mane: CURL   Joan SMS CURL Barrier Action   Joan SMS CURL Bagription:   Joan SMS CURL Bagription:   Joan SMS CURL Bagription:   Joan SMS CURL Program Action   Curls    Loton Ibrary CiProgram Files\curl\bin\curl.exe   Working path: C:Program files\curl\bin\curl.exe				
Actions and Po					
Action Policies					
					Edit Program Action
Name					Name-
Down SMS CURL					
Notification Policy					CORE
down sms email					De <u>s</u> cription:
					Program Action
					Program file name:
					C:\Program Files\curl\bin\curl.exe
					Working path:
Action Library					c:\Program Files\quid\bin\
According to the second s					
+/00					Program <u>a</u> rguments:
					-data-urlencode "tar_num=91072730"data-ur
•	(())				
	Default Web	Email to SMS	Sound-Down20	Sound-Down5	OK Cancel
CONL	Alarm	STORE OF STOL	John Some Some Log	John County	

Figure 3 – Program and Action

Step 4 – Add New Action Policy by clicking on '+' sign.

Select an action from the Action Library : CURL Execute the action on the following state change: Down

Actions and Pol				
Action Policies				(
+/=@				Action Builder
Name				Select an action from the Action Library:
Notification Policy				Default Web Alarm ge:
down sms email				Email to SMS Sound-Down20
				Sound-Down5
				Sound-Up5
				Blackout Schedule
Action Library				Repeat action:
+/20				Repeat every: minutes -
ipswitch > WUG2007       DISCOVER       MY METWORK       AMALYZE       SETTINGS         Actions and Policies <ul> <li>Action Policies</li> <li>Image: Curl</li> <li>Northication Policy</li> <li>Odown sms email</li> </ul> <ul> <li>Action Builder</li> <li>Select an action from the Action Library:</li> <li>Curl</li> <li>Defuelt Web Alarm</li> <li>Brail to SMS</li> <li>Sound-Down20</li> </ul>				
CURL	Default Web Alarm	Email to SMS	Sound-Down20	Sound-Down5 Sound-Up5
			Figure 4	– Action Policy

WhatsUp Gold triggered alert to sendQuick appliance when the monitored device was down.

ipswitch > WUG2017 DISCOVER	MY NETWORK	ANALYZE SETTINGS	Q 🖡 🌲 admir	HELP
Ago Catom My Network	ork		► Group Membership	≡' 🛱 
		192.168.3.86	Credentals - 0 192.168.3.1	•

### Figure 5

The sendQuick appliance received the alert from WhatsUpgold and converted to SMS. We do not need to do any configuration in sendQuick SMS gateway for it.

(i) 192.168.1.56/appliance/usagelog.ph	p	C <sup>d</sup> Q, Search	☆ 自 ♥ ♣ 余
Account:	sendQuick® AlertPlus Server Admin	English	<ul> <li>ウ Shutdown CRestart ● Logout</li> </ul>
admin	Usage Logs > SMS Sent (Outbox)		
🚯 Dashboard			
■ Server Setup >	Search From 19/10/2016 To 19/10/2016		
□ Messaging Setup >	Show 100 v records	C Q Search A A A C C Q Search C C Copyright © 2002-2016, TalariaX Pte Ltd, Singapore. All Rights Reserved. Wed, 19 Oct 2016 15:06	
Account:       English       © Shutdown       CRestant       © Logut         admin       Usage Logs       SMS Sent (Outbox)       Usage Logs       Search       Image Logs			
▼ Filter Rules >	1         19/10/2016         15:05:18         19/10/2016         15:05:20         192.168.3.84	91072730 PC-PC, October 19, 2016, Do	wn 357784041649409 9
Network Monitor	Save CSV Save Excel Refresh		Empty Outbox Delete
Security Setup			Conviewe de Newi
& Password Management	Showing 1 to 1 of total 1 records		Previous T INEXL
😵 Backup & Diagnostic >		Copyright © 2002-2016, TalariaX Pte Ltd, Singapore.	All Rights Reserved. Wed, 19 Oct 2016 15:06
🏼 Usage Logs 🛛 👻			
SMS Sent (Outbox)			
Sqoope Message Log			
SMS Queue			
SMS Inbox			
Unsent SMS			



# 3.0 Send Email to sendQuick

When the monitored device is down, WhatsUpGold will email to sendquick sms gateway.

Step 1 - To add the Email Action, goto 'Action Library' and click on '+' sign.

ipsw	itch > WUG2017	DISCOVER	MY NETWORK	ANALYZE	SETTINGS		
<u> </u>	Active Script Action	1					
٦.	Beeper Action						
۰	Configuration Mana	agement Action					
5	E-mail Action						
2 <sup>6</sup>	Log To Text File						
	Pager Action						
	PowerShell						
	Program Action						
- 9	Service Restart Acti	on					
<b>9</b>	SMS Action						
-	SMS Direct						
۰.	SNMP Set						
۹,	Sound Action						
-	SSH Action						
-	Syslog Action						
-	Text to Speech Act	ion					
	VMware						
- 0	Web Alarm						
- 📾	Windows Event Log	1					
+	/ 🔁 🛍						
	CURL	Default Web Alarm	Email to SMS	Sound-Down20	Sound-Down5	Sound-Up5	

Step 2 -

Figure 7 – Adding Email Action

SMTP Server: 192.168.1.56 (put the ip address of sendQuick device. we use sendQuick sms gateway as smtp)

Port 25

Mail to: <u>alert@alertplus77.talariax.com</u> (<u>anyname@sendQuick</u> host name + domain)

Mail from: WhatsUpGold@YourDomain.com

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	SETTINGS	
ctions and Policies	Edit Email Action	X © م
ction Policies	Email to SMS	
lame own Email-to-SMS	Description: E-mail Action	
ction Library CURL Default Web Alarm	Configuration <u>S</u> MTP Server: 192.168.1.56 Port: 25 Timegut (sec): 30 Mail fo: alert@alertplus77.talariax.com Mail from: WhatsUpGold@YourDomain.com	E

# Figure 8 – Email Configuration

# Step 3 - Email Contact



## Figure 9 – Edit Email Contact

#### Step 4 - Email Action

pswitch > WUG2017 DISCOVER					
Actions and Policies					
Action Policies					
+/=0		Actio	n Ruilder		ØΥ
Name		Actio	n builder		<b>•</b> ~
Device Secold to SMS		Selec	t an action from the Ac	tion Library:	
		Emai	to SMS	-	•
		CUR	L		<b>10</b>
		Defa	ult Web Alarm		ge.
		Sour	nd-Down20		
		Sour	nd-Down5		
		Sour	nd-Up5		
			Blackout Schedule		
Action Library		Repe	at <u>a</u> ction: 🔲		
+/00		Repe	at every: minute	S 👻	
			OK <u>Cancel</u>		
CURL Default Web Alarm	Email to SMS	Sound-Down20	Sound-Down5	Sound-Up5	

Figure 10 – Adding 'Email to SMS' in Action Policies

Step 5 - Create the Filter rule in sendQuick. The sms gateway will trigger SMS when the created rule was matched.

(i) 192.168.1.56/appliance/mailfilter.	php C Q Search ☆ 自 ♥ ↓ 余 :					
Account:	SendQuick <sup>®</sup> AlertPlus Server Admin English 🔍 © Shutdown @Restart @Logout					
• ① 192.168.1.56/appliance/mailfilter.php						
🚳 Dashboard						
Image: Second Secon						
admin       Filter Rules > Email Filter						
⊖ Modem Setup >	No * Filter Name © To © From © Subject © Message © Priority © Date Created © Match Alert					
▼ Filter Rules	Show     10     records     Search:       No     Filter Name     To     From © Subject     Message     Priority     Date Created     Match     Alert       No     Add New Record     Image: Comparison of the Created     Image: Comparison of the Create					
Email Filter	Add New Record Delete					
SNMP Trap Filter	Showing 0 records Previous Next					
Syslog Filter	Email Forwarding Message Time Buffer					
므 Network Monitor >						
Image: Second Seco	Copyright © 2002-2016, TalariaX Pte Ltd, Singapore. All Rights Reserved. Wed, 19 Oct 2016 16:05					
A Password Management						



# Step 6 – Filter by 'To' field

(i) 192.168.1.56/appliance/mailfilter.	ohp		C <sup>e</sup> Q Search	☆□	
Account:	send Quick® AlestPlu	s Server Admin	Engli	sh 🔽 🖱 Shutdown 🥃 Res	tart 🕒 Logout
admin	Filter Rules > Add Mail Filter R	ule	×		5
🚳 Dashboard	Filter Name	MailEilterEorWhateLInCold			
Server Setup >	Show 10			Search:	
□ Messaging Setup >	Mail To 🕅	olate@eletelue77teleriex.com			
🖨 Modem Setup >	No *	alen@alenplus/r.talanax.com	( +	Date Created	Alert
▼ Filter Rules ~					
Email Filter	Mail From				Delete
SNMP Trap Filter	Showing 0 re			Pre	vious Next
Syslog Filter					
□ Network Monitor >	Subject 🗌				
▲ Security Setup >			Singap	oore. All Rights Reserved. Wed, 19	Oct 2016 16:05
♣ Password Management >					
🏶 Backup & Diagnostic 💦 🔸	Message 🗐				
Luu Usage Logs >					
✗ System Test Tools →					
SMS Specifications >	Match Mode	○ ALL			

Figure 12 – Creating Email Filter



(i) 192.168.1.56/appliance/mailfilter	.php					C <sup>d</sup> Q Search			☆ 自		<b>}</b> ∧	=
Account:	senc	dQuick® AlertPl	us Server Admin				Englist	ා 💌 එ Shutdov	vn ∂CRes	tart 🕒	Logout	t -
uumm	LS6/applance/mailfilter,php     LS6/applance/mailfilter,php<											
Dashboard												n
Server Setup >	Show	Show 10 records       Search:         Search:         No * Filter Name * To * From * Subject * Message * Priority * Date Created * Match       Alert       Image: Colspan="4">Image: Colspan="4">Search:         No * Filter Name * To * From * Subject * Message * Priority * Date Created * Match       Alert       Image: Colspan="4">Image: Colspan="4">Image: Colspan="4" Image: Colspa=										
Messaging Setup >		Image: Server Admin       English       © Shutdown       © Restart       © Log         er Rules       Email Filter         Show       10       © records       Search:										
🖨 Modem Setup 🔹 👌	No 1	Filter Name 🗢	To 🗢	From \$	Subject 🗢	Message 🗢	Priority 🖨	Date Created	Match	Alert		
▼ Filter Rules ~	1	MailFilterForWhatsUpGold	alert@alertplus77.talariax.com				5	19/10/2016	Any	<u>View</u>		
Email Filter	Add	d New Record								De	lete	E
SNMP Trap Filter	Showi	ng 1 to 1 of total 1 records							Previous	1 1	Vext	
Syslog Filter												
Show 10     Modern Setup     Modern Setup     Modern Setup     T Filter Rules     T Filter Rules     Show     Show <td< th=""><th></th></td<>												
Security Setup	nin English @ O Shuddown @ Restart @ Logout     nin     Nahoard     asabboard     asabcoard     asabcoard     asabcoard     asabcoard     asabcoard     asabcoard											
A Password Management				Cob	yngin © 2002-2	oro, ruidilaA r u	e eta, olingapoi	io. 7 in Fugilia Reactiv	ou. weu, it	000 201	5 10.05	
😵 Backup & Diagnostic 💦 👌	<image/>											

Figure 13 – Creating Email Filter

## Step 8 - Click on 'Add new record'

Account:	sendQuick® AlertPlus Server Admin						• U	Shutdown	C Restar	t 🕒 Log
admin	Filter Rules	Rules > Email Filter > View Alert								
🚱 Dashboard										
I Server Setup →				Email	Filter Rules					
Messaging Setup >			Filter Name	MailFilterForWhats	UpGold					
⊟ Modem Setup >			Mail To	alert@alertplus77.t	alariax.com					
▼ Filter Rules			Mail From							
Email Filter			Subject							
SNMP Tran Filter			Message							
Cueles Filter			Match Mode	ANY						
Sysiog Filter										
므 Network Monitor >	Show	10 • records					Searc	1:		
Security Setup		Ale	rt SMS	Aler	Email					
د Password Management ،	No 🗖	Manual Input 🗘	Phone Book User 🗢	Manual Input 🗢	Phone Book User 🗢	Alert Message	R¢	E 🌣 🛛 Rpt	e Edit	
🕫 Backup & Diagnostic 💦 👌 👌				No data av	ilable in table					
Juil Usage Logs >	Add N	lew Record							Dele	te

Figure 14 – Add New Record

## Step 9 – Put mobile numbers

(i) 192.168.1.56/appliance/editalert.php			C	Q Search	☆ 自 ♥ ♣ 俞
Account:	sendQuick® AlertPlus	Server Adm	nin	English	💌 🕑 Shutdown 🧭 Restart 😁 Logout
admin	Filter Rules > Email Filter > View Aler	t > Add Alert			
🖚 Dashboard					
I Server Setup >			Email Filter Rules		
Messaging Setup >		Filter Name	MailFilterForWhatsUpGold		
🖴 Modem Setup 🔷 🔸		Mail To	alert@alertplus77.talariax.com		
▼ Filter Rules		Mail From			
Email Filter		Subject			
SNMP Trap Filter		Message			
Svslog Filter		Match Mode	ANY		
Network Monitor	Alert Message ASCII Text (	ISO-8895-1) 👻	The default me	ssage is: xFRx:xSUBx:xM	SGx where:
A Socurity Sotup	xFRxxSUBx	:xMSGx	• xFRx is • xSUBx i	From is the Email subject	
Security Setup			• xMSGx	is the Email message	
Password management					
Backup & Diagnostic	Alert Receiver Mobile Num	ber to Receive Ale	rt Email to Receive Alert	Group to R	eceive Alert
Lutt Usage Logs >	91072730 96946237				
SMS Specifications >					

Figure 15 – Put mobile numbers

Step	0 10 -	SMS	Outbox,	the	successfu	l sent	SMS	will b	e dis	pla	ved	in sm	ns outl	box.
------	--------	-----	---------	-----	-----------	--------	-----	--------	-------	-----	-----	-------	---------	------

Account:		se	nd <mark>Q</mark> uic	k <sup>®</sup> Alert	Plus Server Admin		English 💽 🛡	Shutdown 2 Res	start 🕒	Logou	
admin		Usag	Usage Logs > SMS Sent (Outbox)								
🖚 Dashboard											
■ Server Setup	>	Se	earch From 19/	10/2016 <b>To</b>	19/10/2016						
Messaging Setup	Show 100 records Search:										
🖴 Modem Setup	>			Delivery							
▼ Filter Rules	>	N	lo Date & Time	Date & Time	Sender 🖨	Mobile Number≎	Message 🌩	IMEI ¢	Priority \$		
Network Monitor	>		1 19/10/2016	19/10/2016	192.168.3.84	91072730	PC-PC, October 19, 2016, Down	357784041649409	9		
Security Setup	>		15:05:18	15:05:20	100,100,0,01	0.1070700		000000000000000000000000000000000000000		_	
🔩 Password Management	>		2 19/10/2016 15:18:03	19/10/2016 15:18:05	192.168.3.84	91072730	PG-PC, October 19, 2016, Down	357784041649409	9		
😵 Backup & Diagnostic	> ~		3 19/10/2016 16:18:07		WhatsUpGold@YourDomain.com	91072730	WhatsUpGold@YourDomain.com:Windows (Generic) is Down (PC-PC).:Ping is Down on Windows (Generic): PC-PC (192.168.3.56). Details: Monitors that to a dow	357784041649409	5		
SMS Sent (Outbox)			4 19/10/2016 16:18:18		WhatsUpGold@YourDomain.com	91072730	n include: Ping Monitors that are up include: Notes on this device (from device property page): This device were accessed by discusses at 14(0/00)	357784041649409	5		
Sqoope Message Log			E 10/10/2016		Whatel InCold@YourDomain.com	01072720	6 3:67:26 DM This mail	267794041649409	6		
SMS Queue			16:18:28		whatsopoolog fourbornam.com	51072730	was sent on October 19, 2016 at 04:17:58 PM Ipswitch WhatsUp Gold	337704041043403	5		
SMS Inbox Unsent SMS			6 19/10/2016 16:18:35		WhatsUpGold@YourDomain.com	96946237	WhatsUpGold@YourDomain.com:Windows (Generic) is Down (PC-PC).:Ping is Down on Windows (Generic): PC-PC (192 168 3 56). Details: Monitors	357784041649409	5		

Figure 16 – SMS Outbox

# 3.0 Send Syslog from WhatsUP Gold to sendQuick

Step 1- Add Syslog Action in action library by clicking on '+' sign.



```
Message: %Device.HostName, %System.Date, %Device.State
```

Actions and Policies		
Action Policies		
+/==		
Name	Fdit Syslog Action	@ X ]
Down Email-to-SMS		
	Name: Syslog Action	
	Description:	
	Syslog Action	
	<u>S</u> yslog server:	Port:
	192.168.1.56	514
Action Library	Message:	
+/@	%Device.HostName, %System.Date, %D	evice.St
CURL Default Web Email to SMS SNMP Action Alarm	Sound-Down20 Sound-Down5 Sound-Up5	Syslog Action



Step 2 – Add Syslog Action in Action Policies

ipswitch > WUG2017			ANALYZE	SETTINGS	
Actions and Pol					
Action Policies					
+ / 1 2					Action Builder
Down Email-to-SMS					Select an action from the Action Library: Syslog Action Execute the action on the following state change: Down Only if the following state was reached: Not dependent on previous state
Action Library					Blackout Schedule Repeat action:
CURL	Default Web Alarm	Email to SMS	SNMP SNMP Action	Sound-Down20	Repeat every:     minutes       OK     Cancel       Sound-Down5     Sound-Op5   Systog Action

Figure 18 – Add syslog action in Action Policies

Step 3 – Create Syslog Filter in sendQuick. Filter by 'From' field.

Account:	sendQuick <sup>®</sup> AlertPlus Server Admin	English 💽 එ S	Shutdown	Restart 0	• Logou
admin	Filter Rules > Syslog Filter				
🖚 Dashboard					
■ Server Setup	Show 10 records		Search:		
Messaging Setup	Rules				
🖨 Modem Setup	No A Filter Name	Date Created 🗢	Match	Alert	
▼ Filter Rules	1 Syslog 27 192.168.3.84 5	14/10/2016	Any	View	
Email Filter	Add New Record			C	elete
SNMP Trap Filter	Showing 1 to 1 of total 1 records		Prev	vious 1	Next
Syslog Filter	Sysico Forwarding Address Message Time Buff	fer			
Network Monitor					
Security Setup	Copyright © 2002-2016, TalariaX Pte	Ltd, Singapore. All Rights	Reserved. Mo	n, 31 Oct 20	016 18:01

Figure 19 – Create a rule in syslog filter

#### Step 3 – Add the user's mobile numbers

Account:	sendQuick®AlertPlus	💌 😃 Shutdown	C Restart	🕒 Logout			
admin	Filter Rules > Syslog Filter > View Al	ert > Edit Alert					
🖚 Dashboard							
I Server Setup >			Syslog Filter Ru	les			
Messaging Setup >		Filter Name	Syslog				
🖴 Modem Setup >		Server IP	192.168.3.84				
▼ Filter Rules ~		Message					
Email Filter		Match Mode	ANY				
SNMP Trap Filter	Alert Message ASCII Text	ISO-8895-1) 👻	The def	ault message is: <i>xFRx:xSUBx:xM</i>	SGx where:		
Syslog Filter	xFRx:xMSG	(	:	xFRx is From xSUBx is the Email subject			
므 Network Monitor >			•	xmoox is the Email message			
Security Setup							
♣ Password Management >	Alert Receiver Mobile Num	ber to Receive Ale	rt Email to Receive Al	ert Group to R	eceive Alert		
😵 Backup & Diagnostic 💦 👌	91072730						
Left Usage Logs							

Figure 20 – Add Mobile Number

# Step 4 – Received an alert message from whatsUp Gold.

Account:	sendQuick® AlertPlus Server Admin English 💽 © Shutdown 🕫	Restart 🕒 Logout
admin	Usage Logs > SMS Queue	
🖀 Dashboard		
I Server Setup →	Search From 31/10/2016 To 31/10/2016	
□ Messaging Setup >	Show 100 • records Search:	
A Modem Setup >	No A Date	Priority 🖨 🔳
▼ Filter Rules >	1 31/10/2016 18:00:51 192.168.3.84 (Syslog) 91072730 192.168.3.84:192.168.3.86, October 31, 2016, Down	5
므 Network Monitor >	Refresh Empty Qu	ieue Delete
▲ Security Setup >	Showing 1 to 1 of total 1 records	ous 1 Next
A: Password Management		
🏶 Backup & Diagnostic 💦 👌 👌	Copyright © 2002-2016, TalariaX Pte Ltd, Singapore. All Rights Reserved. Mon,	, 31 Oct 2016 18:00
📠 Usage Logs 🛛 👻 👻		
SMS Sent (Outbox)		
Sqoope Message Log		
SMS Queue		

Figure 21 – alert message