



FortiGate 110C and SendQuick ConeXa One-time-Password (OTP) Configuration Guide

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FORTIGATE 110C AND SENDQUICK CONEXA ONE TIME PASSWORD CONFIGURATION GUIDE

1.0 INTRODUCTION

This document is prepared as a guide to configure FortiGate 110C to integrate with SendQuick Conexa for 2-Factor Authentication with One-time-password via SMS.

The pre-requisite is that SendQuick Conexa OTP server is configured with RADIUS on port 1812. Ensure that both applications are using the same port for radius.

2.0 CONEXA CONFIGURATION

2.1 Client Configuration

To create a new client, Go to Configuration -> Client Configuration -> New Client

2.1.1 Add New Client

			sendUuick [®] Conexa
Server Log		User Management	[Configuration]
[Client Configuration] New Client	VPN Configuration	Remote DB Configuration	LDAP Server Configuration
No		Name	
			Olivert list in seconds.

Radius Server IP	IP address of the FortiGate 110C system.		
Name	Short name of the radius client.		
Secret	Shared secret of the radius client.		



2.2 VPN Configuration

To create a new VPN, Go to Configuration -> VPN Configuration -> New VPN

Server Log				sendQuick® Conexa	
		1 1	User Management	[Configuration]	
Client Configuration [VPN Configuration		[VPN Configuration]	Remote DB Configuration LDAP Server Configuration		
New	VPN				
0	Name	NAS IP	Description	Authentication Type	
				VPN list is empty	

2.2.1 Add New VPN

NAS-IP	192.168.1.234		
Name	Unique name of this VPN.		
Description	Description of this VPN. For reference only.		
Authentication Type	Two Factor Access Challenge		
Authentication Server	LDAP LDAP \rightarrow Authentication through LDAP server such as Active Directory or OpenLDAP. Select LDAP server from list, which are predefined in LDAP Server Configuration page.		
User Contact List	Check on 'Same as authentication server' to use the same user list in authentication server. LDAP \rightarrow Select from a list of predefined LDAP servers. Mobile and email attributes are required.		

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	Add New VPN				
NAS-IP	192.168.1.234	NAS-IP-Address NAS-Identifier			
Name	VMView				
Description	VMWare View 5.1				
Authentication Type	Two Factor Access Challenge				
Authentication Server	LDAP ‡				
LDAP Server	Configuration (Au	ithentication)			
Return Option	 Return LDAP group as Filter-Id (11) Return LDAP group as Class (25) 				
Server	ldap101 🛟				
OTP Prompt Message (Access Challenge)	<pre>Enter OTP: ^M = Mobile number , ^E = Email address</pre>				
ОТР Туре	One Time PIN (OTP)				
OTP Method	SMS 🛟				
OTP Length	4 🛟 🖲 Numer	ic Only 🔾 Alphanumeric			
One Time PIN Validity Period	2 minutes				
Message Template	sendQuick Conexa	One Time password: ^P Expire in: ^E mins E = Validity period (in minutes) , ^D = Date , ^T = Time			
Message Mode	Normal Text	*			
User Contact List	List Same as authentication server				
LDAP Serve	er Configuration (C	Contact List)			
Attribute Name	Mobile	(Mobile)			
	(Email)				
	Submit Reset				

2.3 LDAP Server Configuration

Configuration -> LDAP Server Configuration -> New LDAP Server



2.3.1 Add New LDAP Server

Name	Unique name for LDAP server, which will be used as identifier in VPN configuration .
Description	For reference only.
Server 1 & Port	LDAP Server IP and port number. LDAP default port : 389
Server 2 & Port	LDAP Server IP (Backup/Secondary) and port number. LDAP default port : 389
Service Account Name & Password	Valid login name & password, which will be used for binding and searching.
Login Mode	[Display Name Login ID Email] Type of login ID for this LDAP server.
Base DN	Base DN of the location of user list in LDAP.
Domain	Windows login domain for the user, apply to AD only.

	Edit LDAP Server
Name	Idap101
Description	
Server 1	192.168.1.101 Port 389
Server 2	192.168.1.102 Port 389
Туре	Active Directory
Service Account Bind DN	conexaadmin Test Service Account
Service Account Password	
Login Mode	Login ID
Base DN	dc=mail,dc=sendquickasp,dc=com
Domain	mail
	Submit Reset

3.0 Configuring FortiGate 110C

To configure for the RADIUS authentication protocol, you need to configure a new Radius Server in FortiGate.

Configure a new Radius Server with sendQuick Conexa credentials as shown below:

Name	conexa	
Primary Server Name/IP	10.10.20.249	
Primary Server Secret	•••••	Test
Secondary Server Name/IP		
Secondary Server Secret		Test
Authentication Scheme	Ose Default Authent	cication Scheme
	🔘 Specify Authenticati	on Protocol
	PAP 👻	
NAS IP/Called Station ID	10.10.20.254	
Include in every User Group	📃 Enable	

Insert SendQuick Conexa IP (above example 10.10.20.249) into the IP field. The NASIP (above) as the IP of FortiGate.

Once it is setup, you will see Conexa as Radius server being created, as below:

Name	Server Name/IP
conexa	10.10.20.249

You may require to configure the timeout for Radius using CLI (command line) as below:

conf sys global set remoteauthtimeout 60 end

The next step is the assign a user group (or user realm) to use sendQuick Conexa (conexa radius setting) for the authentication.

Create a Usergroup (eg, Groupname = sendQuick) and assign the group to use 'conexa' as the authentication server. Once setup, you will see similar information as below:

T Group Name	🝸 Group Type	▼ Members					
SendQuick	Firewall	conexa					

You will need to select the Type and the selected Radius server (eg, conexa) for the group. This will ensure that these users will use sendquick Conexa for authentication.

Name	SendQuick	
Туре	💿 Firewall 🔘 Fortinet Single Sign-On (FSSC) 🔘 Guest 🔵 RADIUS Single Sign-On (RSSO)
Members	Click to set	
Remote authentication	servers	
🗿 Add 🛛 🖉 Edit 👘	Delete	
Remote Server	Group Name	
conexa	Any	

Lastly, you may wish to conifgure the Firewall policy to ensure all traffic is supported for the smooth operation of the 2FA with Conexa. The example is as below:

Want - LAN	(50 - 59)								
58	Internal_	WLAN	Internal_solutio	n 🧔 a	lways	Kall			✓ Accept
▣ 59	🗏 all		Internal_solutio	n	>	>		>	>
- 59.1				🧔 a	lways	Kall	SSL	_VPN	✓ Accept
- 59.2				🧔 a	lways	Kall 🖓	🖏 ALL 🖉 Send		✓ Accept
Policy Type Incoming Interfa Remote Address Local Interface Local Protected	ace 5 Subnet	 Firewall • wan1 all LAN Internal_so 	SSL-VPN						
SSL Client C Cipher Strength	ertificate Restrictiv	Any		Ŧ					
Configure SSL	-VPN Authentica	tion Rules							
Create New	🛛 🌌 Edit 🛛 📋 Del	ete							
User/Group	Service	Schedule	Security	SSL-V	PN Portal	L	ogging		Action
SSL_VPN	ALL	always	always -		on_access		0		CCEPT
SendQuick	ALL	always	always -		on_access		Ø 🗸		CCEPT
a ANY	ALL	always	-				-	Ø D	ENY

4.0 Testing the 2FA Integration

First, start the FortiGate 110C secure web browser (HTTPS) and you will see the login page to enter Username and Password. This is the Username and Password in the Active Directory. This is shown in the figure below.

Please Login	
Name:	
Password:	
	Login

One the Username and Password is authenticated, you will receive a SMS OTP. Enter the OTP received on both fields as shown below. Fortigate requires a confirmation of the SMS OTP to be entered in the fields, as shown below.

Please Login	
Enter OTP:	
Answer:	
Confirm answer:	
	Login