How to forward the remote user's PPTP traffic to the Lan to LanIPSec Tunnel Before the scenario hands-on, we assume that the readers already along with following abilities and resource:

1. The simple routing concept

2. The basic concept for LAN-to-LAN IPSEC. You can refer the KM, DK0600062 for the detail configuration.

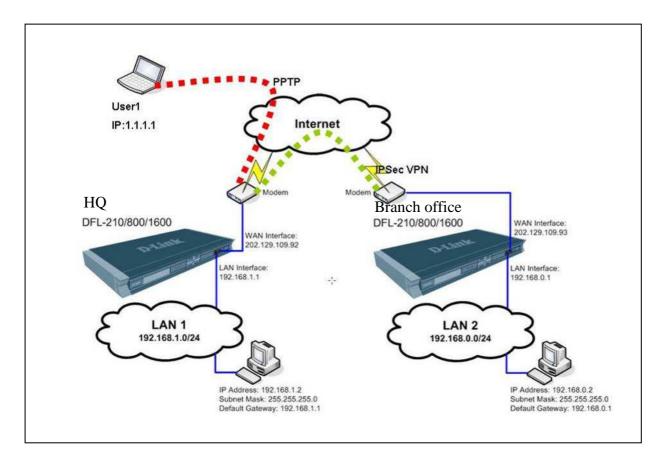
Scenario summary:

DFL model f/w v2.12 or later

1. Establish a IPSEC tunnels between both DFL model

2. Establish PPTP tunnel between the user1 and DFL IP: 202.129.109.92, and this

DFL device will forward the PPTP to LAN2



Requirement:

- 1. Set PPTP connection.
- 2. Set IP rule to forward traffic.

HQ firewall

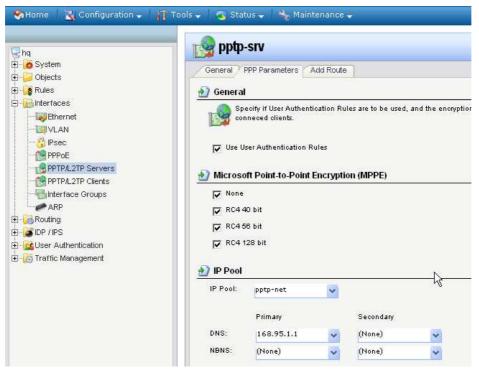
Step 1. Set up IPSEC tunnel. Please refer the KM, DK0600062 for the detail configuration.

Step 2. Create two address objects for PPTP server.

2 hg	🗧 🙀 Address Book	
🗐 🐻 System		
	The Address Book contains syr	nbolic names for various types of addresses, including IP netwo
🖻 🔐 Address Book		
	Add 🗸	
🖗 Services		
📆 Schedules	Name 👻	Address 😽
	😡 all-nets	0.0.0/0
😟 🎇 VPN Objects	🔛 InterfaceAddresses	
Dulas	8 pptp-net	10.1.1.10-10.1.1.20
- 🛃 Rules		

Step 3. Create a PPTP server as the following.

SHome 🛛 💥 Configuration 🗸 🗌	🍸 Tools 🗸 🛛 💁 Status 🗸 🔌	Maintenance 🗸
P hq ⊕ jo System ⊕ jo Objects ⊕ jo Rules ⊕ jo Rules	General PPP Paramet	ers Add Route
PPOE	Name: Inner IP Address:	pptp-srv 10.1.1.1
PPTP/L2TP Clients	Tunnel Protocol: Outer Interface Filter:	PPTP 💙
E G IDP / IPS	Server IP:	wan_jp 🗸
	Comments Comments:	

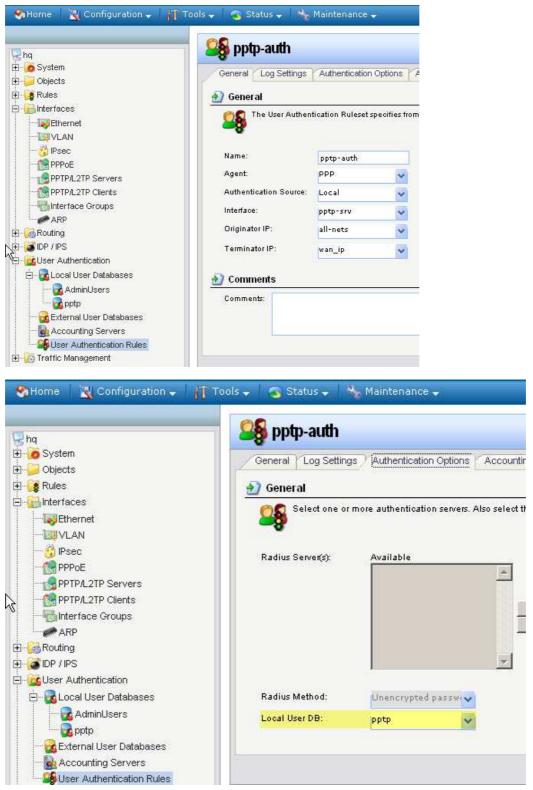


Step 4. Create a local user database, named "pptp" and add a user object in it.

SHome XConfiguration -	👖 Tools 🗸 💁 Status 🗸 🔧 Maintenance 🗸
hq Dipolects Colored Colore	Local User Databases Manage the local user databases and user accounts used for au Add - Mare Coal User Database Name Coal Users AdminUsers Pptp
OP / IPS	
E User Authentication	
E GLocal User Databases	
AdminUsers	



Step 5. To authenticate the remote user, please create a user auth rule as the following.



Step 6. Add pptp-srv interface to ipsec-lan interface group object.

E J Objects E ≰ Rules D Interfaces I INSEthernet	🛃 Genéřal 🕎 Use i	an interface group to combine several interfaces for a simplified security policy.
VLAN Prec PPPoE PPT/L2TP Servers PPTP/L2TP Clients	Name: Mame:	ipsec-lan Security/Transport Equivalent
ARP Control Control C	Available any core dmz wan	Selected lan pptp-srv IPSec-tunnel

Step 7. In IPSec-tunnel object, change Local Network field to subnet1_and_pptp address group.

Image: Product set in the face Address Book Image: Product set in the face Address Book </th <th>SHome 🛛 Configuration 🗸 🎢 Tools 🗸</th> <th>💽 Status 👻 👘</th> <th>1 2º</th> <th>1aintenance 🚽</th> <th></th> <th></th> <th></th>	SHome 🛛 Configuration 🗸 🎢 Tools 🗸	💽 Status 👻 👘	1 2º	1aintenance 🚽			
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Cobjects Co	Ð System	General Authentica	tion	Extended Authe	ntication (XAuth)	Routing	IKE Settings
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	ARP	IKE Life Time					
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User Authentication	DP / IPS	IRees Alessithme	10				
IPsec Life Time	User Authentication	VALUE VERSEN					
Wan_ip 202,129,109,92		IPsec Life Time					
IPsec Life Time wanet 202.129.109.0/24		IPsec Life Time	DE				

Branch office

Step 1. Create tow address objects as the following marked area.

🖳 br	Address Book		
System System Objects Address Book System Address Book Address Book Addresses Services	The Address Book cont	ains symbolic names for various types of address	es, including
Schedules	Name 🕳	Address 🚽	Us
20 Schedules			101110
	🗟 all-nets	0.0.0/0	
	😡 all-nets	0.0.0/0	
		0.0.0.0/0	
Authentication Objects	🙀 InterfaceAddresses		
Authentication Objects ⊕ — WPN Objects ⊕ – Garage Rules	District InterfaceAddresses	10.1.1.10-10.1.1.20	

Step 2. In IPSec-tunnel object, change Remote Network field to subnet1_and_pptp address group.

	0				
br	🎁 IPSec-Tunn	e			
∃ <mark>io</mark> System ∋ <mark>io</mark> Objects	General Authentica	ation	Extended Authen	tication (XAuth)	Routing KE Setting
🖻 🔐 Address Book	🔬 General				
- (2) InterfaceAddresses - (2) ALG - (2) Services	An IPsec tunn	nel iter	n is used to define	IPsec endpoint and	will appear as a logi
Schedules	Name:	IPS	ec-Tunnel	T.	
Authentication Objects	Local Network:	lanne	et 🗸	Ī	
∃ <mark>ig</mark> Rules	Remote Network:	subn	et_1_and_pptp 🎍		
	Remote Endpoint:	Namo	e)	Address	
	8	8	all-nets	0.0.0.0/0	
- WUAN		8	dmz_ip	172.17.100.254	
	Encapsulation Mode	9	dmznet	172.17.100.0/24	
PPPoE		8	lan_ip	192.168.0.1	
	Algorithms	8	lannet	192.168.0.0/24	
PPTP/L2TP Servers	-	18 1	pptp-net	10.1.1.10-10.1.1.2	0
PPTP/L2TP Clients	1112-112 A.P.	R .	subnet_0_and_1	lannet, VPN-Remo	te-LAN
	IKE Algorithms:	R. s	subnet_0_and_2	lannet, subnet_2	
ARP	IKE Life Time	See.	subnet_1_and_ppt	vPN-Remote-LAN,	pptp-net
- 🐻 Routing		8	subnet_2 (m)	192.168.2.0/24	
E IDP / IPS	15	9	VPN-Remote-LAN	192.168.1.0/24	
User Authentication	IPsec Algorithms:	8 .	wan1_ip	202.129.109.93	
	IPsec Life Time	8.	wan1net	202.129.109.0/24	
		-	wan2 ip	192.168.120.254	

Remote user

Step 1. Create a PPTP connection.

twork	Connection	Туре				
What	do you want t	to do?				1
C Co	onnect to th	e Internet				
Co	onnect to the l	Internet so you c	an browse tl	ne Web and	read email.	
@ Co	nnect to th	ne network at	my workpl	ace		
Co	nnect to a bu	usiness network (another location	(using dial-up		you can work fi	rom home,
C Se	et up a hom	e or small offi	ice networl	c		
Co	onnect to an e	existing home or	small office n	etwork or se	t up a new one	Û.
C Se	et up an adv	vanced conne	ection			
Co	onnect directly	to another com	iputer using y			d port, or
		outer so that othe				
				< Back	Next >	Cance
			3 			
onnect	ion Wizard					
twork	Connection		network at u	our workplac	ce?	6
twork	Connection	o connect to the	network at y	our workplad	ce?	é
twork How d	Connection	o connect to the	network at y	our workplac	ce?	4
twork How d	Connection lo you want to the following	connect to the	network at y	our workplac	ce?	
twork How d Create	Connection lo you want to the following al-up conne	o connect to the connection: ection			2,2,2,2	ses Dinital
twork How d Create	Connection lo you want to the following al-up conne	connect to the connection: ection a modem and a r			2,2,2,2	ses Digital
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twork How d Create C Di Co Ne Co Vin Co	Connection to you want to the following al-up conne nnect using a twork (ISDN)	connect to the connection: ection a modem and a m phone line. e Network cor	egular phone	i line or an Ir	ntegrated Servic	
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twork How d Create C Di Co Ne Vin Co	Connection to you want to the following al-up conne mect using a twork (ISDN) tual Private mect to the r	connect to the connection: ection a modem and a m phone line. e Network cor	egular phone nnection virtual privat	i line or an Ir	ntegrated Servic	_

Step 2. Enter the name of PPTP connection.

w Connection Wizard	
Connection Name Specify a name for this connection to	your workplace.
Type a name for this connection in the f	following box.
Company Name	
202.129.109.92	
For example, you could type the name of will connect to.	of your workplace or the name of a server you

Step 3. Enter PPTP server IP.

Connection Wizard			
VPN Server Selection What is the name or address of the VPN	server?		
Type the host name or Internet Protocol (I connecting.	P) address of the c	computer to whicl	h you are
Host name or IP address (for example, mid	crosoft.com or 157.	54.0.1):	
202.129.109.92			
	< Back	Next >	Cancel

Step 4. enter the username and password and then click "Connect" button

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2

Try to ping the 192.168.0.1 from remote user

```
C: >>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time=275ms TTL=254

Reply from 192.168.0.1: bytes=32 time=1ms TTL=254

Reply from 192.168.0.1: bytes=32 time=2ms TTL=254

Reply from 192.168.0.1: bytes=32 time=3ms TTL=254

Ping statistics for 192.168.0.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 275ms, Average = 70ms
```