

Note: Here, we use the RS-1200 for the example, it can also used on the RS-2500 and RS-3000.

Site A RS-1200 Configuration:

- 1. Configure **VPN** → **IPSec Autokey** as following example:
 - Remote Gateway: indicate the other side VPN router's IP address or domain name
 - Preshared Key: user can define the key by himself, the key uses to identify the exchanged data for VPN
 - Encryption: support DES, 3DES, AES-128, AES-192, and AES-256, AES-256 provides more secure encrypted type but less performance.
 - Authentication: support MD5 and SHA-1
 - Both sides Preshared Key, Encryption and Authentication setting must be the same, or VPN tunnel cannot be built up.

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ISAKMP Life Time, IPSec Life Time: both settings are related to the life time of VPN tunnel, if you do not know how to configure it, just leave the setting as default.

Necessary Item	
Name	RS_01
WAN interface	💿 wan 1 🔘 wan 2
To Destination	
Remote Gateway Fixed IP or Domain Name	61.229.42.219 (Max. 99 characters)
O Remote Gateway or Client Dynamic IP	
Authentication Method	Preshare 🗙
Preshared Key	12345678 (Max. 103 characters)
Encapsulation	
ISAKMP Algorithm	
ENC Algorithm	3DES 💌
AUTH Algorithm	MD5 💌
Group	GROUP 2 🗸
IPSec Algorithm	
O Data Encryption + Authentication	
ENC Algorithm	3DES 💌
AUTH Algorithm	MD5 💌
O Authentication Only	
Optional Item	
Perfect Forward Secrecy	GROUP 2 V
ISAKMP Lifetime	3600 Seconds (Range: 1200 - 86400)
IPSec Lifetime	28800 Seconds (Range: 1200 - 86400)
Mode	Main mode ○ Aggressive mode
My ID	(Max. 39 characters)
Peer D	(Max. 39 characters)
GREAPSec	
GRE Local IP	
GRE Remote IP	
Ifanual Connect	
Dead Peer Detection delay <mark>5 Second Timeout 60 Secon</mark> 100)	d (delay Range: 0 - 10, 0: means disable; Timeout Range: 1 -

- 2. Configure **Tunnel** to define further IPSec rule. (In RS-1200, the item name is **Trunk**)
 - Source Subnet / Mask: indicate Site A LAN IP subnet
 - **Destination Subnet / Mask:** indicate Site B LAN IP subnet

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- Keep alive IP: it uses to trigger the connection of VPN tunnel in order to keep VPN tunnel working. It is usually to configure the Keep alive IP with the other VPN side router's LAN IP address.
- Show remote Network Neighborhood: allow NetBIOS protocol to pass through VPN tunnel

Modify RS_01_Tunnel Tunnel	12	
Name		
From Source	💌 LAN 🔿 DHZ	
From Source Subnet / Mask	192.168.1.0	/ 255.255.255.0
To-Destination		
⊙ To Destination Subnet / Mask	192.168.100.0	255.255.255.0
O Remote Client		
IPSec / PPTP Setting	RS_01 💌	
Keep alive IP :	192.168.100.1	
Show remote Network Neighborhood		

3. Enable IPSec VPN in Outgoing and Incoming Policy

Modify Policy	
Source Address	Inside_Any 🗸
Destination Address	Outside_Any 💌
Service	ANY
Schedule	None 💌
Authentication User	None V
Tunnel 🤇	RS_01_Tunnel
Action, WAN Port	PERMITALE
Traific Log	Enable
Statistics	Enable
Content Blocking	Enable
M / P2P Blocking	None 🗙
QoS	None 😪
MAX. Bandwidth Per Source IP	Downstream 0 Kbps Upstream 0 Kbps (0: means unlimited)
MAX: Concurrent Sessions Per IP	0 (Range: 1 - 99999, 0: means unlimited)
MAX. Concurrent Sessions	0 (Range: 1 - 99999, 0: means unlimited)

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Modify Policy	
Source Address	Outside_Any 👻
Destination Address	Inside_Any 💉
Service	ANY
Schedule	None v
Tunnel	RS_01_Tunnel
Action	PERMIT
Thattic Log	Enable
Statistics	Enable
CoS	None 💌
MAX. Bandwidth Per Source IP	Downstream 0 Kops (0: means unlimited)
MAX. Concurrent Sessions Per IP	0 (Range: 1 - 99999, 0: means unlimited)
MAX: Concurrent Sessions	0 (Range: 1 - 99999, 0: means unlimited)
NAT	Enable

Site B RS-1200 Configuration:

1. Configure **VPN** → **IPSec Autokey** as following example:

Necessary item	
Name	
WAN interface	💿 wan 1 🕥 wan 2
To Destination	Mi -
Remote Gateway Fixed IP or Domain Name	60.250.158.64 (Max. 99 characters)
Remote Gateway or Client - Dynamic IP	
Authentication Method	Preshare 🖌
Preshared Key	12345678 (Max. 103 characters)
Encapsulation	
ISAKMP Algorithm	
ENC Algerithm	3DES 💌
AUTH Algorithm	MD5 💌
Group	GROUP 2 💌
PSec Algorithm	
Data Encryption + Authentication	
ENC Algorithm	3DES 💌
AUTH Algorithm	MD5 💌
O Authentication Only	
Optional Item	
Perfect Forward Secrecy	GROUP 2 V
ISAKMP Lifetime	3600 Seconds (Range: 1200 - 86400)
IPSec Lifetime	28800 Seconds (Range: 1200 - 86400)
Mode	Main mode
My D	(Max. 39 characters)
Peer D	(Max. 39 characters)
GRE/PSec	
GRE Local IP:	
GRE Remote IP	
Manual Connect	
Dead Peer Detection delay <mark>5 Second Timeout <mark>60</mark> Second 100)</mark>	(delay Range: 0 - 10, 0: means disable; Timeout Range: 1 -

2. Configure **Tunnel** to define further IPSec rule. (In RS-1200, the item name is **Trunk**)

Modify RS_100_Tunnel Tunnel	- W-		
Name			
From Source	💌 LAN 🔘 DMZ		
From Source Subnet / Mask	192.168.100.0	255.255.255.0	
To Destination			
O To Destination Subnet / Mask	192,168.1.0	/ 255.255.255.0	
O Remote Client			
IPSec / PPTP Setting	RS_100 V		
	192.168.1.1		
Show remote Network Neighborhood			

3. Enable IPSec VPN in Outgoing and Incoming Policy

Modify Policy	
Source Address	Inside_Any 🐱
Destination Address	Outside_Any
Service	ANY
Schedule	None 😽
Authentication User	None 😪
Tunnel	RS_100_Tunnel
Action, WAN Port	PERMIT ALL
Traffic Log	Enable
Statistics	Enable
Content Blocking	Enable
M / P2P Blocking	None 🕶
QoS	None 😪
MAX. Bandwidth Per Source IP	Downstream 0 Kbps Upstream 0 Kbps (0: means unlimited)
MAX: Concurrent Sessions Per IP	0 (Range: 1 - 99999, 0: means unlimited)
MAX. Concurrent Sessions	0 (Range: 1 - 99999, 0: means unlimited)

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Modify Policy	
Source Address	Outside_Any 👻
Destination Address	Inside_Any 🗸
Service	ANY
Schedule	None 👻
Tunnel	RS_100_Tunnel V
Action	PERMIT
Traffic Log	Enable
Statistics	Enable
GoS	None 🗸
MAX: Bandwidth Per Source IP	Downstream 0 Kbps Upstream 0 Kbps (0: means unlimited)
MAX. Concurrent Sessions Per IP	0 (Range: 1 - 99999, 0: means unlimited)
MAX: Concurrent Sessions	0 (Range: 1 - 99999, 0: means unlimited)
NAT	Enable

4. Finish both site of VPN setting.

Verify the VPN connection From Site A PC 192.168.1.2

1. Try to ping Site B LAN IP 192.168.100.1 and the IP address 192.168.100.2 of PC2, both ping results are fine.



2. PC1 also can connect to PC2 directly using IP 192.168.100.2, and send file to PC2.



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From Site B PC 192.168.100.2

1. Try to ping Site A LAN IP 192.168.1.1 and the IP address 192.168.1.2 of PC1, both ping results are fine.



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2. PC2 also can connect to PC1 directly using IP 192.168.1.2, and send file to PC1







3. So, we know the IPSec connection is working well.

