

RV042 / RV042G

- [VPN IPsec - Client-to-Site](#)

VPN IPsec - Client-to-Site

- Configuration Serveur

- Configuration générale

« Tunnel name » : Nom du tunnel

« Interface » : Interface d'écoute du tunnel

Local Group Setup

« Local security groupe type » : Subnet

« IP Address » : Adresse du réseau local

« Subnet Mask » : Masque du réseau local

Remote client Setup

« Remote client » : Domain Name(FQDN)

« Domain Name » : Domaine DNS sur lesquels les clients distants seront

The screenshot shows a configuration interface for a VPN. At the top, there are two radio buttons: 'Tunnel' (unselected) and 'Group VPN' (selected). Below this, the 'Group No.' is set to '1'. The 'Tunnel Name' field contains 'lan vpn'. The 'Interface' dropdown menu is set to 'WAN1'. The 'Enable' checkbox is checked. The 'Local Group Setup' section has 'Local Security Group Type' set to 'Subnet', 'IP Address' set to '192.168.0.0', and 'Subnet Mask' set to '255.255.255.0'. The 'Remote Client Setup' section has 'Remote Client' set to 'Domain Name(FQDN)' and 'Domain Name' set to 'lan.local'.

- Configuration phase 1 et 2

Phase 1 :

Group : Group 1 - 768 bit

Encryption : AES-128

Authentification : MD5

Sa Life Time : 28800

Phase 2 :

Group : Group 2 - 1024 bit

Encryption : AES-128

Authentification : SHA1

Sa Life Time : 3600

Preshared Key : « Mot de passe » complexe à renseigner

The IPSec Setup window displays the following configuration:

- Keying Mode : IKE with Preshared key
- Phase 1 DH Group : Group 1 - 768 bit
- Phase 1 Encryption : AES-128
- Phase 1 Authentication : MD5
- Phase 1 SA Life Time : 28800 seconds
- Perfect Forward Secrecy : ☒
- Phase 2 DH Group : Group 2 - 1024 bit
- Phase 2 Encryption : AES-128
- Phase 2 Authentication : SHA1
- Phase 2 SA Life Time : 3600 seconds
- Preshared Key : VPNtestMSID07130
- Minimum Preshared Key Complexity : ☒ Enable
- Preshared Key Strength Meter : A bar with 10 segments, the first 3 are red and the remaining 7 are yellow.
- Advanced - button

- Advanced

Cocher :

- « Aggressive Mode »
- « Keep-Alive »
- « NetBIOS Broadcast »
- « NAT Traversal »

The Advanced configuration window shows the following options:

- ☒ Aggressive Mode
- ☐ Compress (Support IP Payload Compression Protocol(IPComp))
- ☒ Keep-Alive
- ☐ AH Hash Algorithm MD5
- ☒ NetBIOS Broadcast
- ☒ NAT Traversal
- Save button
- Cancel button

• Configuration Client

Télécharger le logiciel Shrew soft VPN client for Windows

<https://www.shrew.net/download/vpn>

- Configuration Générale

Remote host :

« Host name or IP address » : IP WAN du réseau distant

« Port » : 500

« Auto configuration » : Disable

Local Host :

« Adaptateur mode » : Use an existing adapter and current address



The image shows the 'VPN Site Configuration' dialog box with the 'General' tab selected. The 'Remote Host' section has 'Host Name or IP Address' set to '176.167.251.30' (highlighted with a red box), 'Port' set to '500', and 'Auto Configuration' set to 'disabled'. The 'Local Host' section has 'Adapter Mode' set to 'Use an existing adapter and current address', 'MTU' set to '1380', and 'Obtain Automatically' checked. The 'Address' and 'Netmask' fields are empty. 'Save' and 'Cancel' buttons are at the bottom.

- Configuration des ports et paramètre réseau « Client »

Firewall Options :

« NAT Traversal » : Enable

« NAT Traversal Port » : 4500

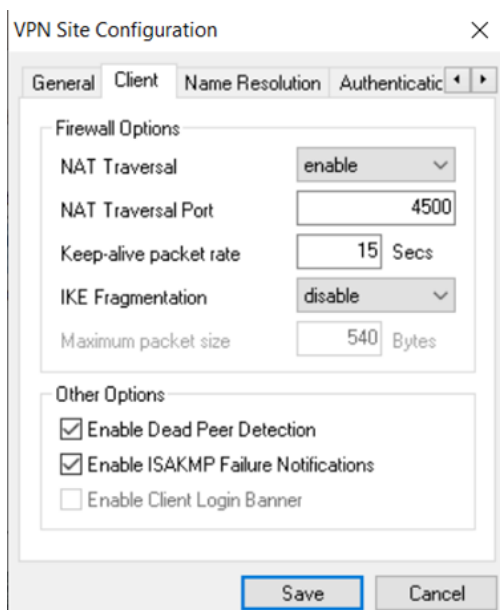
« IKE Fragmentation » : Disable

Other options:

Cocher :

« Enable dead peer detection »

« Enable ISAKMP Failure Notification »



The image shows the 'VPN Site Configuration' dialog box with the 'Client' tab selected. The 'Firewall Options' section has 'NAT Traversal' set to 'enable', 'NAT Traversal Port' set to '4500', 'Keep-alive packet rate' set to '15 Secs', 'IKE Fragmentation' set to 'disable', and 'Maximum packet size' set to '540 Bytes'. The 'Other Options' section has 'Enable Dead Peer Detection' and 'Enable ISAKMP Failure Notifications' checked, and 'Enable Client Login Banner' unchecked. 'Save' and 'Cancel' buttons are at the bottom.

- Configuration DNS

Cocher Enable DNS

Servers Address #1 : 8.8.8.8

DNS Suffix : Nom du domaine renseigner sur le routeur

Onglet WINS, décocher la case.



- Configuration de l'authentification

Authentication Method : Mutual PSK

Onglet « Local identity »

« Identification type » : Fully Qualified Domain Name.

« FQDN String » : Nom du domaine renseigner sur le routeur



Onglet « Credentials »

Pre Shared Key □ Entrer la clé partager configurer sur le serveur.

Local Identity Remote Identity Credentials

Server Certificate Authority File

Client Certificate File

Client Private Key File

Pre Shared Key

- Configuration de la phase 1

Exchange Type : Aggressive

DH Exchange : Group 1

Cipher Algorithm : AES

Cipher Key Length : 128

Hash Algorithm : MD5

Key Life Time Limit : 28800

VPN Site Configuration

Name Resolution Authentication Phase 1 Phase 2

Proposal Parameters

Exchange Type aggressive

DH Exchange group 1

Cipher Algorithm aes

Cipher Key Length 128 Bits

Hash Algorithm md5

Key Life Time limit 28800 Secs

Key Life Data limit 0 Kbytes

☐ Enable Check Point Compatible Vendor ID

Save Cancel

- Configuration de la phase 2

Transform Algorithm : ESP-AES

Transform Key Length : 128

HMAC Algorithm : SHA1

PFS Exchange : Groupe 2

Compress Algorithm : Disable

Key Life Time Limit : 3600

VPN Site Configuration

Authentication Phase 1 Phase 2 Policy

Proposal Parameters

Transform Algorithm esp-aes

Transform Key Length 128 Bits

HMAC Algorithm sha1

PFS Exchange group 2

Compress Algorithm disabled

Key Life Time limit 3600 Secs

Key Life Data limit 0 Kbytes

Save Cancel

◦ Configuration du réseau distant

« Policy Generation Level » -> Auto

Décocher « Obtain topology Automatically or tunnel All »

« Add » ➡ Ajouter l'adresse du réseau local distant avec son masque

VPN Site Configuration

Authentication Phase 1 Phase 2 Policy

IPSEC Policy Configuration

Policy Generation Level auto

☐ Maintain Persistent Security Associations

☐ Obtain Topology Automatically or Tunnel All

Remote Network Resource

↔ 192.168.0.0 / 255.255.255.0

IP LAN (Distant)

Add Modify Delete

Save Cancel