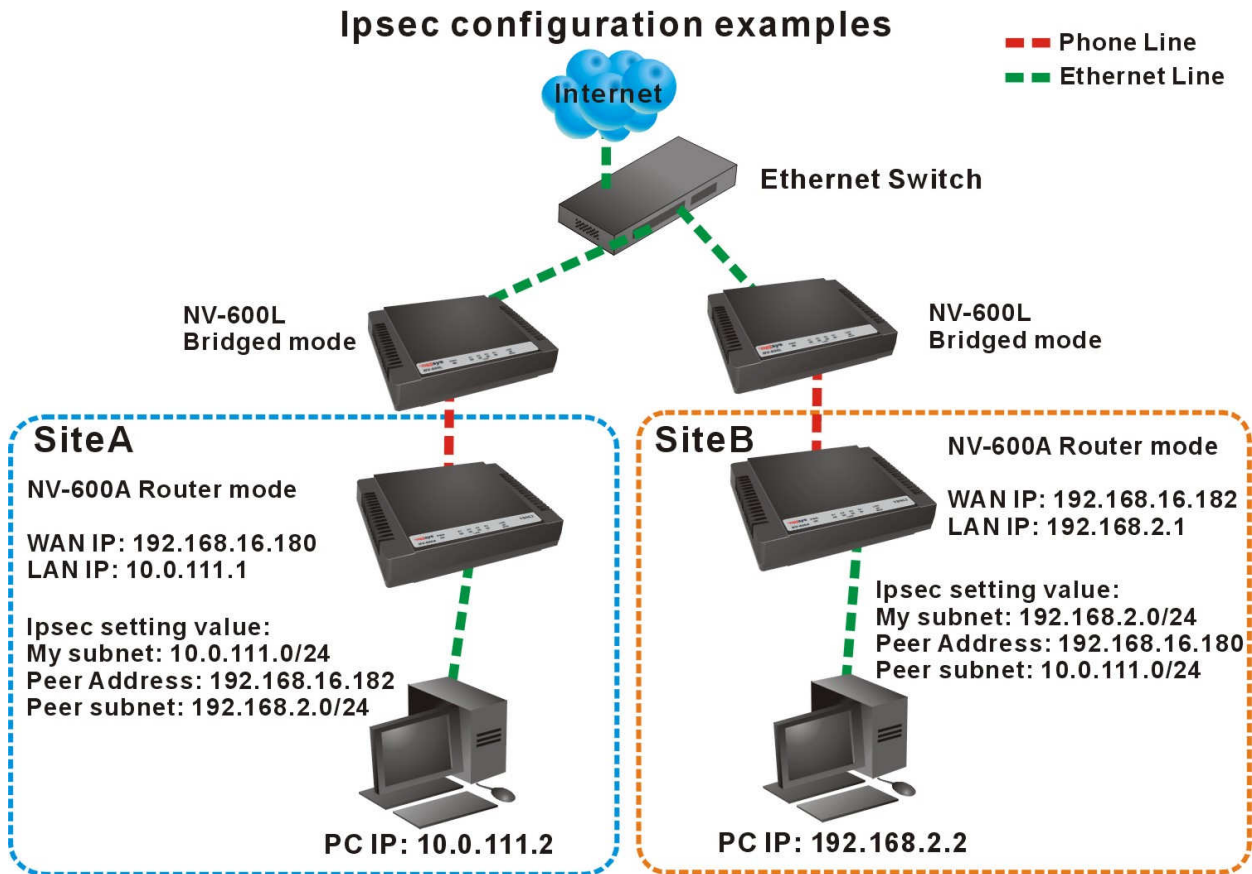


# NV-600A Ipsec configuration examples

## 1. Connection diagram:



## 2. Ipvsec configuration procedures:

- (1). Connection all device, such as the connection diagram above.
- (2). NV-600L config the bridged mode, and NV-600A config the router mode.
- (3). Please refer to the following configuraiton diagram to configure the router mode and ipsec.
- (4). Configure NV-600A of Site A:
  - A. Config router mode: please select LAN settings, and refer to the following screenshot to configure the router mode.

**LAN Settings**

You can configure LAN settings of CPE device such as LAN IP Address and DHCP configuration.

IP Address	10	0	111	1	<b>2</b>	
Subnet Mask	255	255	255	0		
MAC Address	00	05	6e	00	22	11
Secondary level subnet Range						<input type="checkbox"/> Enable
DHCP Mode	Server					<b>1</b>
<b>DHCP Server</b>						
IP Pool Starting Address	10	0	111	2	<b>3</b>	
IP Pool Ending Address	10	0	111	150		
Lease Time	Half hour					
Local Domain Name	dslgw.com (optional)					

**IP Address Reservation**

[Click Here](#)

Help Apply Cancel

LAN setting configuration(Site A)

**WAN**

The CPE device can be connected to your service provider in any of the following ways

Attached Channel	0.ptm0			
WAN TYPE	Static IP Address			
IP address assigned by your ISP	192	168	16	180
Subnet Mask	255	255	255	0
ISP Gateway Address	192	168	16	1

Default WAN

Help Apply Cancel

WAN setting configuration (Site A)

B. Config IPsec: please select IPsec, and refer to the following screenshot to configure the tunnel mode.

**Modify IPsec Tunnel Configuration**

Tunnel Name: testb

AUTH\_METHOD: PREFIXED\_KEY

PSK Secret: 12345678

IKE Mode: ikev2

WAN Interface: WANIP0

My Subnet: 10.0.111.0/24

Peer Address: 192.168.16.182

Peer Subnet: 192.168.2.0/24

Enable:

IKE Cipher: aes192\_cbc

IKE Hash: sha1

IKE DH Group: modp1536

IKE PRF: aes\_xcbc

ESP Cipher: aes128\_cbc

ESP Hash: sha1

Key Lifetime: 60 (Minutes)

Retry: 0 (0 means always retry)

### IPsec configuration (Site A)

#### Notes:

1. Tunnel name: type a name, two sites of tunnel name can different.
2. PSK Secret: 12345678, two sites of secret must be the same. User can type their own secret.
3. My subnet: Site A ip domain and subnet mask.
4. Peer Address: Remote tunnel WAN ip address that you want to through.
5. Peer Subnet: Remote host ip that you want to through.

(5). Configure NV-600A of Site B: Repeat step 4 to configure site B.  
A. Config router mode:

**LAN Settings**

You can configure LAN settings of CPE device such as LAN IP Address and DHCP configuration.

IP Address: 192 . 168 . 2 . 1 **2**

Subnet Mask: 255 . 255 . 255 . 0

MAC Address: 00 : 05 : 6e : 02 : 00 : 03

Secondary level subnet Range  Enable

DHCP Mode: Server **1**

**DHCP Server**

IP Pool Starting Address: 192 . 168 . 2 . 2 **3**

IP Pool Ending Address: 192 . 168 . 2 . 150

Lease Time: One day

Local Domain Name: dslgw.com (optional)

**IP Address Reservation**

[Click Here](#)

LAN setting configuration(Site B)

**WAN**

The CPE device can be connected to your service provider in any of the following ways

Attached Channel: 0. ptm0

WAN TYPE: Static IP Address **1**

IP address assigned by your ISP: 192 . 168 . 16 . 182 **2**

Subnet Mask: 255 . 255 . 255 . 0

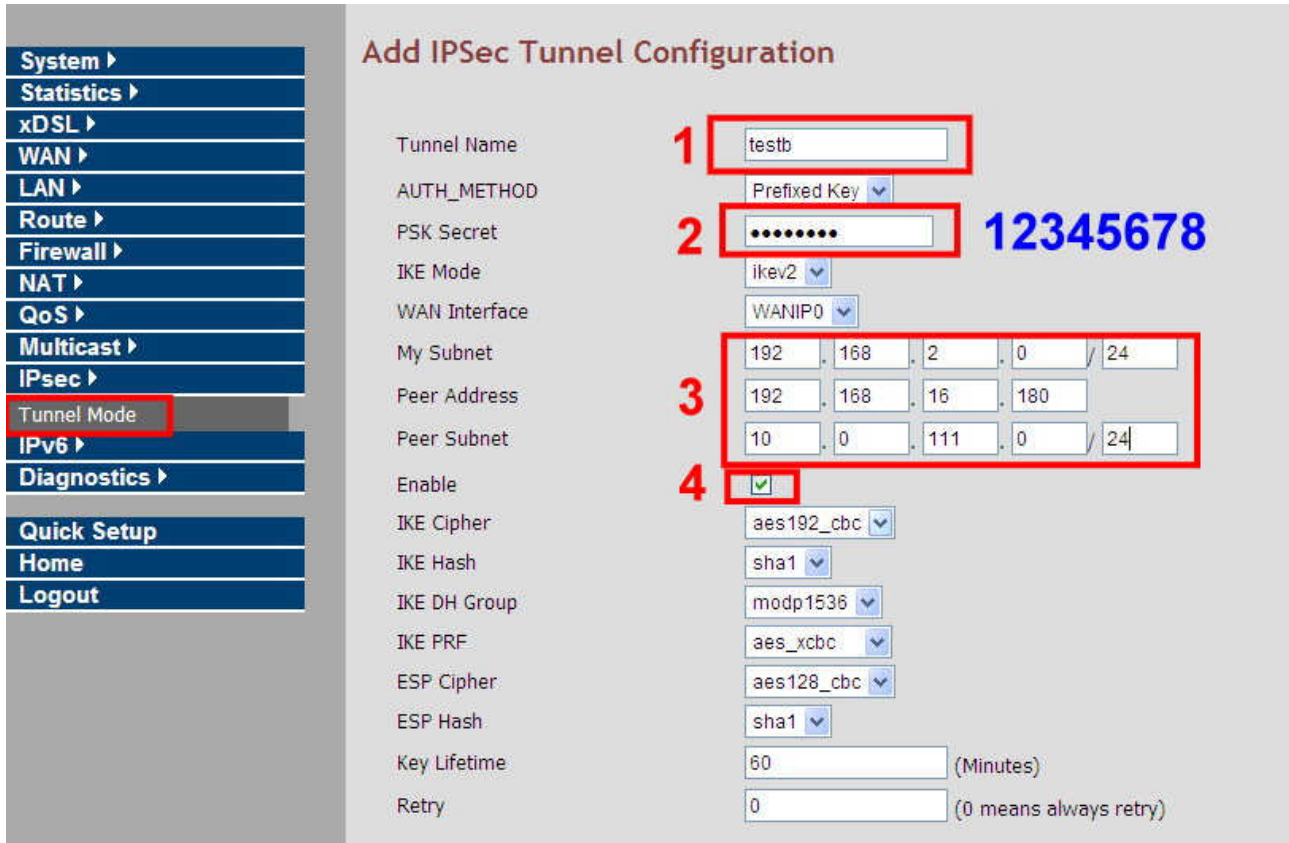
ISP Gateway Address: 192 . 168 . 16 . 1

Default WAN

Help Apply Cancel

WAN setting configuration(Site B)

## B. Config IPsec:



**Add IPsec Tunnel Configuration**

Tunnel Name: 1 testb

AUTH\_METHOD: Prefixed Key

PSK Secret: 2 ..... 12345678

IKE Mode: ikev2

WAN Interface: WANIP0

My Subnet: 192 . 168 . 2 . 0 / 24

Peer Address: 3 192 . 168 . 16 . 180

Peer Subnet: 10 . 0 . 111 . 0 / 24

Enable: 4

IKE Cipher: aes192\_cbc

IKE Hash: sha1

IKE DH Group: modp1536

IKE PRF: aes\_xcbc

ESP Cipher: aes128\_cbc

ESP Hash: sha1

Key Lifetime: 60 (Minutes)

Retry: 0 (0 means always retry)

### IPsec configuration (Site B)

#### Notes:

1. Enable Ipsec and click apply, such as point 4 of ipsec configuration diagram above.
2. Both of two sites IKE Mode need the same.

(6). Ping two PC ip address each other. Site A PC ip address is 10.0.111.2, Site B PC ip address is 192.168.2.2.

