Configuring Port Forwarding for IPsec VPN Pass-through on TA 600s Performing NAT

Overview:

The TA 600 can support pass-through of a single VPN tunnel. If more than one tunnel is attempted, no tunnel will work properly.

This guide assumes that NAT is already configured and working properly on the TA 600.

Configuration Steps:

- 1. Configure the translation table entry for ISAKMP
- 2. Configure the translation table entry for IPsec NAT-Traversal
- 3. Configure the translation table entry for ESP (Encapsulated Security Payload)

Configure the translation table entry for ISAKMP

1. Enter the NAT menu by pressing Ctrl+N



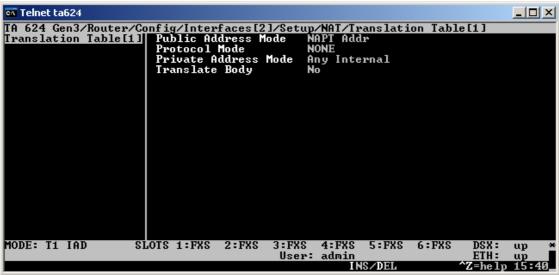
2. Arrow down to Translation Table and hit Enter





3. Press the right arrow key and then hit Enter with the index number highlighted. If you already have an entry in the Translation Table, press the letter **i** to add a blank entry, and then hit Enter.





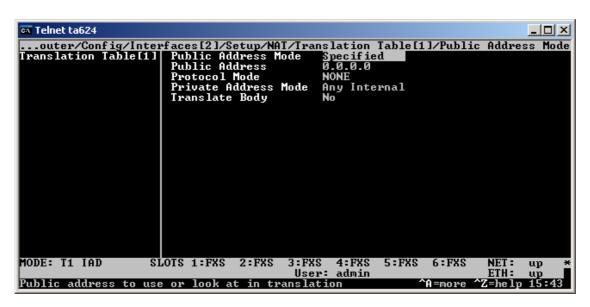
4. If the IP address you will be bringing the tunnel up to is the same IP address that is on your WAN interface, leave *Public Address Mode* set to *NAPT Addr*. If the public address you are bringing the tunnel up to is different from the IP on your WAN interface, change the *Public Address Mode* to *Specified* and then set the IP address.

```
TA 624 Gen3/Router/Config/Interfaces[2]/Setup/MAT/Translation Table[1]

Fublic Address Mode NAPT Addr
Protocol Mode NONE
Private Address Mode Any Internal
Translate Body No

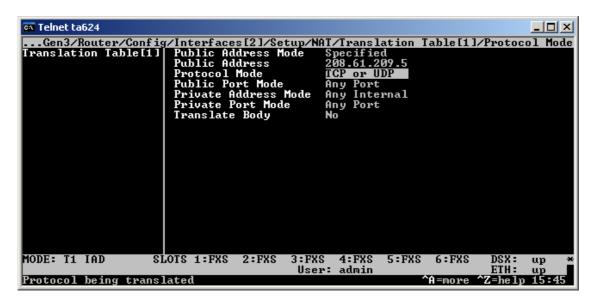
MODE: T1 IAD SLOTS 1:FXS 2:FXS 3:FXS 4:FXS 5:FXS 6:FXS DSX: up *
User: admin ETH: up
INS/DEL ^Z=help 15:43
```

-- or --





5. Next, set the *Protocol Mode* to *TCP or UDP*



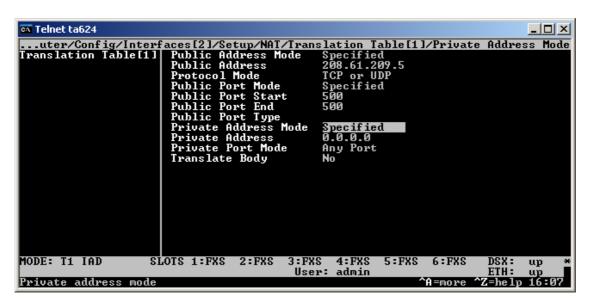
6. Then set the *Public Port Mode* to *Specified*



7. Then set *Public Port Start* and *Public Port End* to 500. *Public Port End* should be filled in automatically when you enter *Public Port Start*.



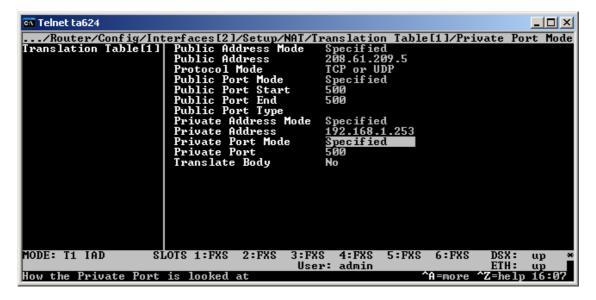
8. Set Private Address Mode to Specified.



9. Set *Private Address* to the address that you want the VPN traffic to be forwarded to. In this example, we are using 192.168.1.253.



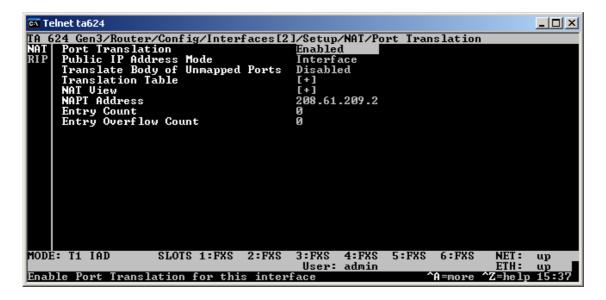
10. Set *Private Port Mode* to *Specified. Private Port* should automatically populate with 500 when *Private Port Mode* is set to *Specified*. However, if this does not happen, set *Private Port* to 500.



11. Press the letter **h** to get back to the main menu so that the config will be saved

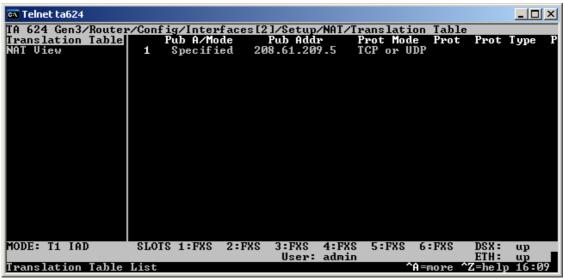
Configure the translation table entry for IPsec NAT-Traversal

1. Enter the NAT menu by pressing Ctrl+N



2. Arrow down to Translation Table and hit Enter





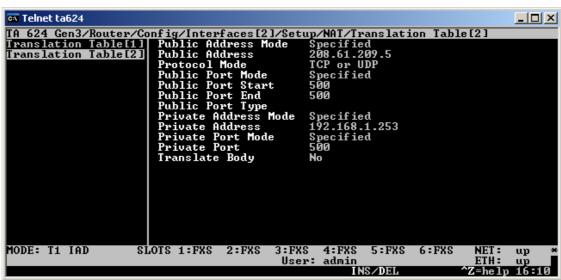
3. Press the right arrow key and then press highlight the index number of the entry you just created for PPTP. Then press the letter **c** to copy the values from that translation table entry.



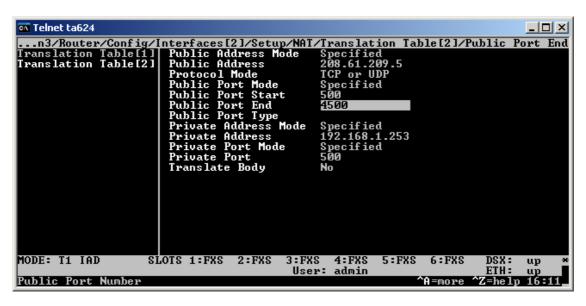
4. Next, press the letter **i** to add a blank translation table entry. With the index number of the blank entry highlighted (which should happen automatically), press the letter **p** to past the contents you just copied from the other entry. This will allow the translation table entry for GRE to be created more easily. After pressing the letter **p**, hit Enter to display the translation table entry.







5. Next, change the *Public Port End* to 4500. Then change the *Public Port Start* to 4500. Note that the *Public Port End* must be changed before the *Public Port Start*.





6. Change the *Private Port* to 4500



7. Press the letter **h** to get back to the main menu so that the config will be saved.

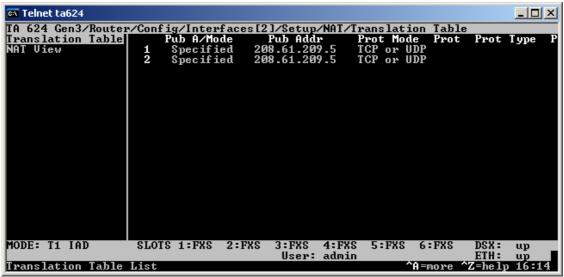
Configure the translation table entry for ESP (Encapsulated Security Payload)

1. Enter the NAT menu by pressing Ctrl+N



2. Arrow down to Translation Table and hit Enter

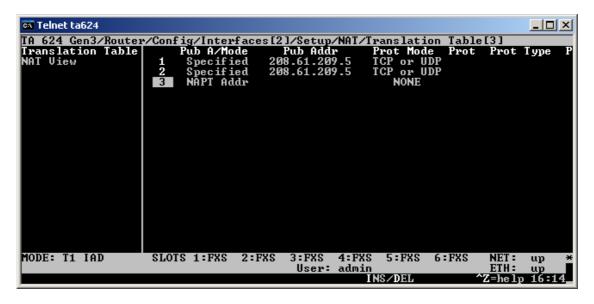


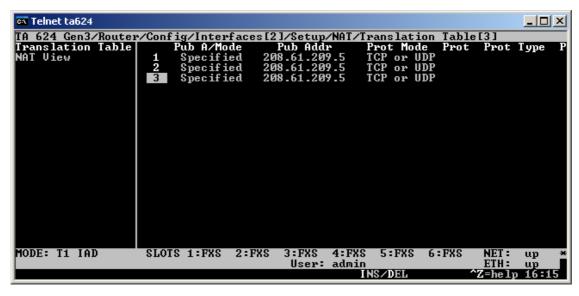


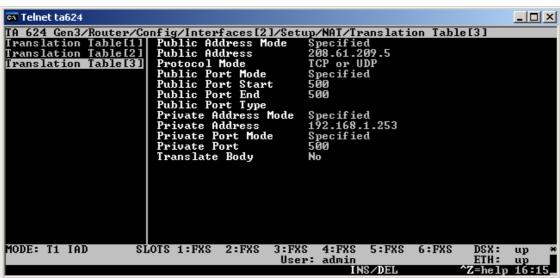
3. Press the right arrow key and then press highlight the index number of the entry you created for ISAKMP. Then press the letter **c** to copy the values from that translation table entry.



4. Next, press the letter **i** to add a blank translation table entry. With the index number of the blank entry highlighted (which should happen automatically), press the letter **p** to past the contents you just copied from the other entry. This will allow the translation table entry for GRE to be created more easily. After pressing the letter **p**, hit Enter to display the translation table entry.







5. Next, change the *Protocol Mode* to *Specified*

```
Telnet ta624

...Gen3/Router/Config/Interfaces[2]/Setup/NAT/Translation Table[3]/Protocol Mode
Translation Table[1]
Translation Table[2]
Translation Table[3]
Translation Table[3]
Protocol Mode
Protocol Type
Private Address Mode Specified
Private Ad
```

6. Set the *Protocol* to 50



Press the letter **h** to get back to the main menu so that the config will be saved.