Level1 router IPSec VPN setting (Static IP vs. Dynamic IP) by DDNS method

Level1 router is applicable to FBR-1407, FBR-1409TX, FBR-1417TX, WBR-2401, WBR-3403TX, WBR-3404TX and WBR-3402

Note: 1. You will need a Dynamic Domain Name Service account, exl. Dyndns, Tzo.
2. Configure your router using Dynamic IP with DDNS, and can update IP to Dynamic Domain Name Service successfully.

Information:

FBR-1409TX VPN (Router A)   FBR-1409TX VPN (Router B)

WAN IP: 220.135.144.58 (Static IP)   WAN IP: ttsai168.dyndns.org (DDNS)

LAN IP: 192.168.10.1   LAN IP: 192.168.123.254

LAN IP netmask: 255.255.255.0   LAN IP netmask: 255.255.255.0

Setup:

Basic concept: FBR-1409TX with static IP needs to configure a DDNS in VPN remote gateway, and FBR-1409TX with Dynamic IP needs to configure a static IP in remote gateway.
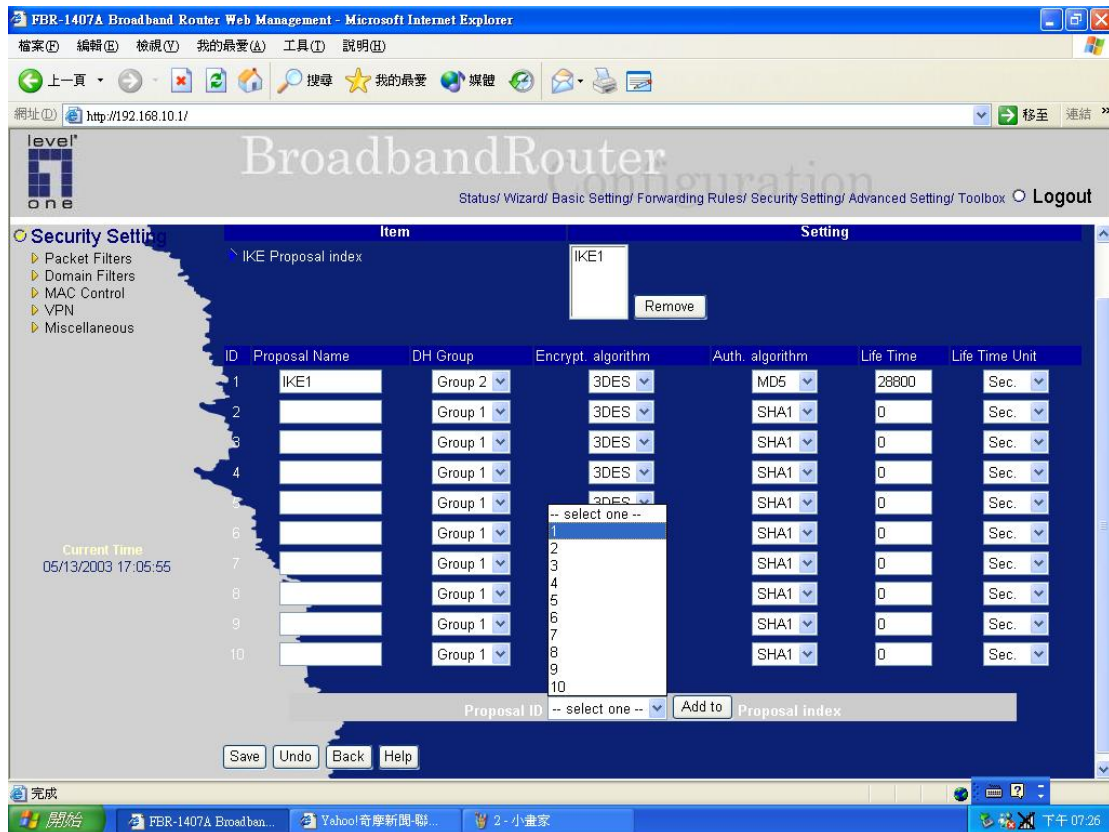
1   Please configure Router A as below.

    1.1   Enable VPN and configure Max. Number of tunnel.

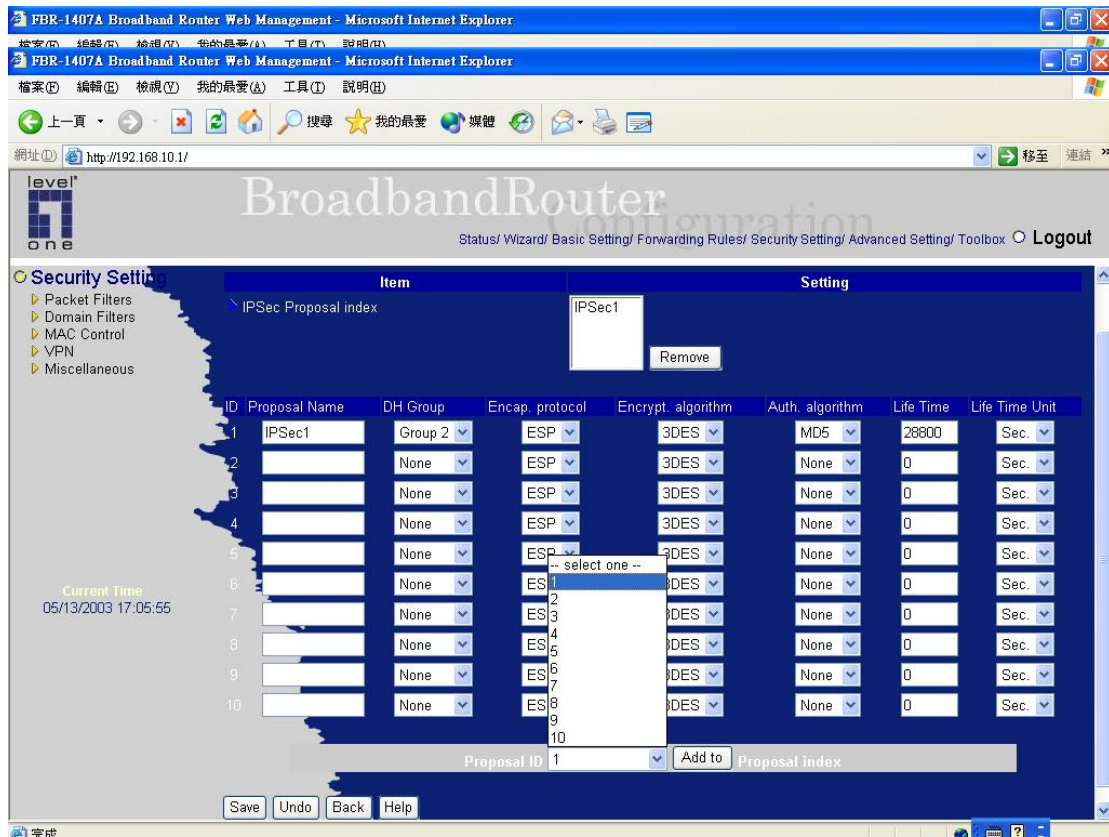   1.2   Enter Tunnel Name then press "Save".

    1.3   Press "More".
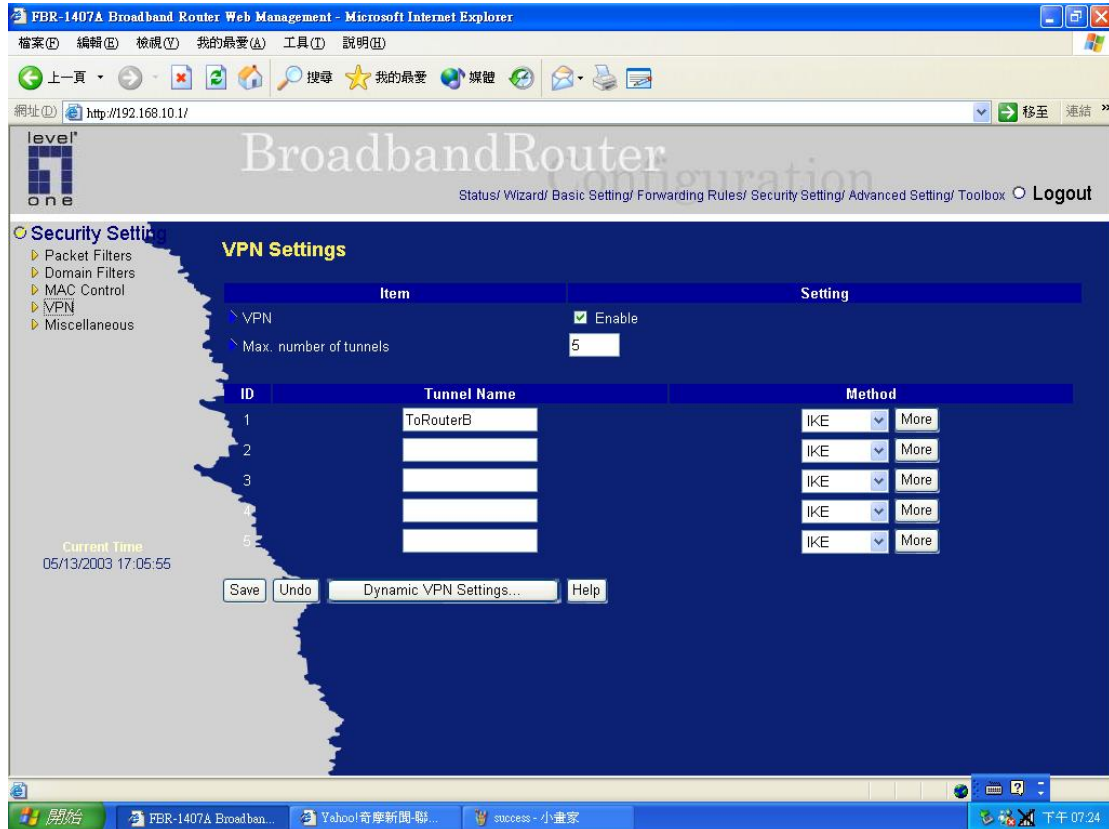
2 Enter the below information:

    2.1   Local subnet: Router A subnet. Ex:192.168.10.0

    2.2   Local netmask: Router A netmask. Ex:255.255.255.0

    2.3   Remote subnet: Router B subnet. Ex:192.168.123.0

    2.4   Local netmask: Router B netmask. Ex:255.255.255.0

    2.5   Remote Gateway: Router B's WAN IP: **ttsai168.dyndns.org**

    2.6   Preshare Key: Key MUST same as Router B. Ex: 1234567890

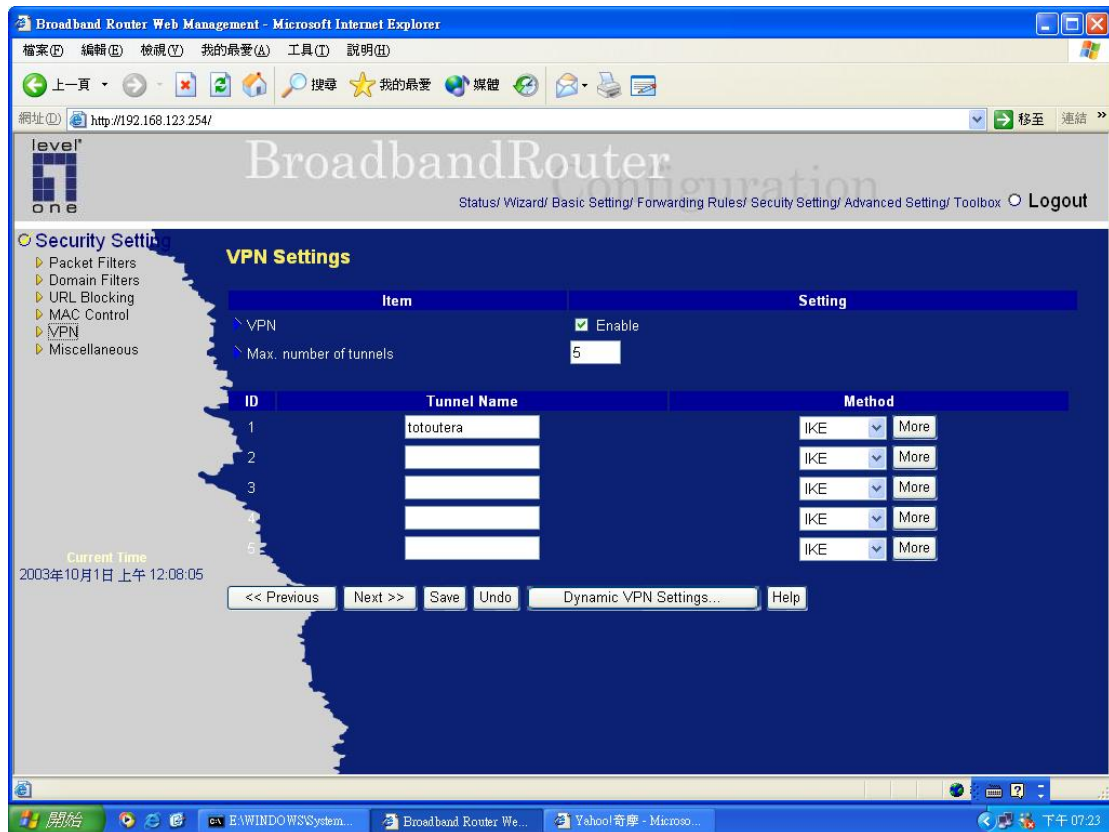   2.7   Press "Save"
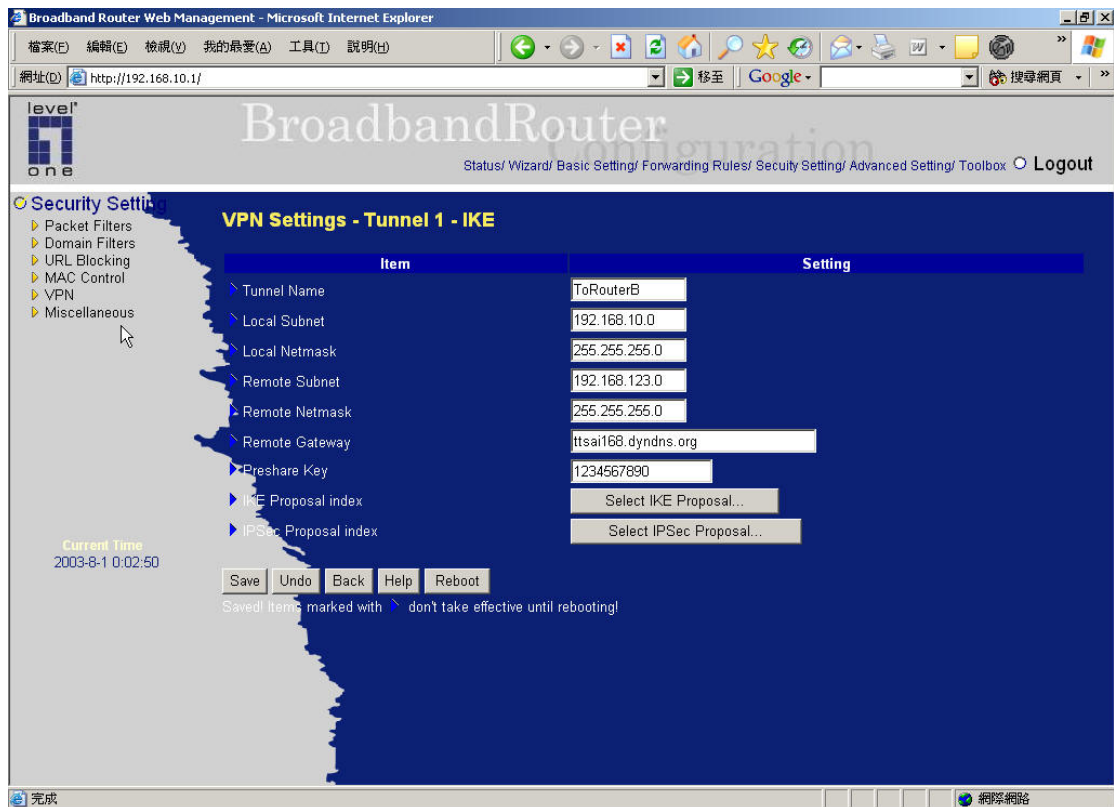
3   Press "Select IKE Proposal"

   3.1   Put Proposal Name: Ex: IKE1

   3.2   DH Group: Ex: Group2

   3.3   Encrypt algorithm: Ex: 3DES

   3.4   Auth. Algorithm: Ex: MD5

   3.5   Life Time: Ex: 28800

   3.6   Then Select proposal ID 1 and add to index 1.

   3.7   Press "Save" and "Back"

4   Press "select IPSec proposal"

4.1   Put Proposal Name: Ex: IPSec1

4.2   DH Group: Ex: Group2

4.3   Encap protocol : Ex: ESP

4.4   Encrypt algorithm: Ex: 3DES

4.5   Auth. A;gorithm: Ex: MD5

4.6   Life Time: Ex: 28800

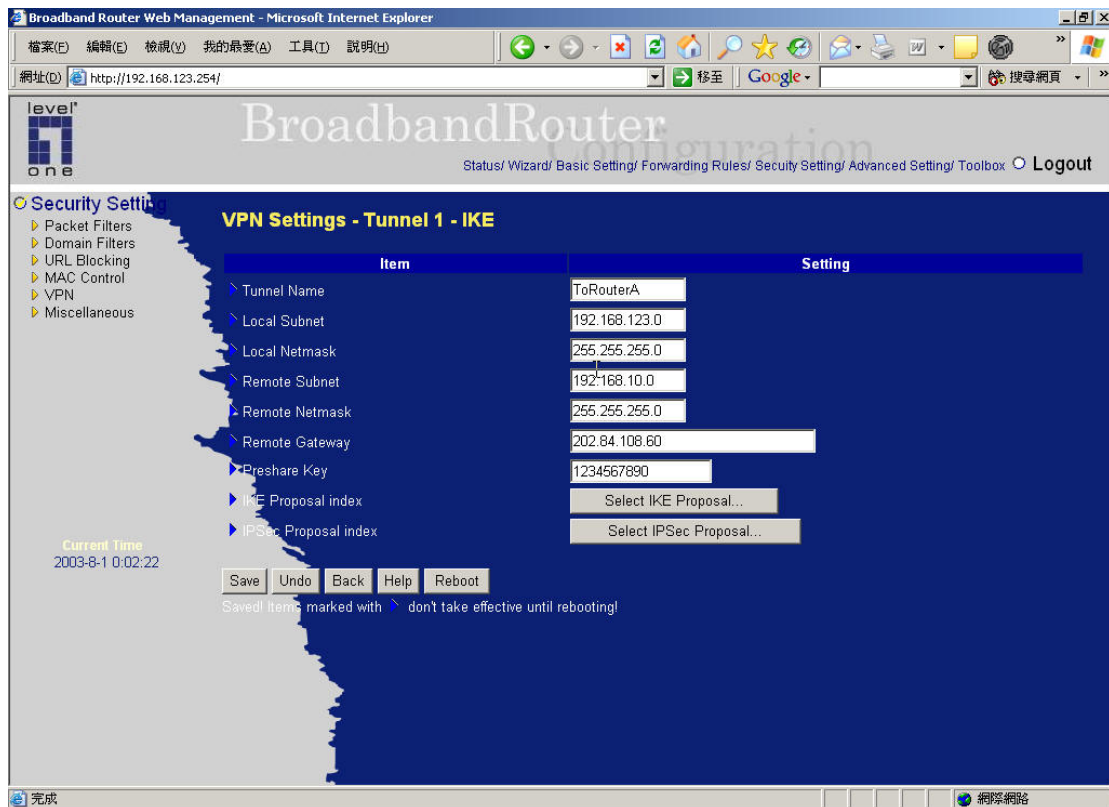4.7   Then Select proposal ID 1 and add to index 1.

4.8   Press "Save" and "Reboot"

5 Please configure Router B as below

5.1 Enable VPN and configure Max. Number of tunnel.

5.2 Enter Tunnel Name then press "Save".

5.3 Press "More".

6   Enter the below information:

    6.1   Local subnet: Router B subnet. Ex: 192.168.123.0

    6.2   Local netmask: Router B netmask. Ex: 255.255.255.0

    6.3   Remote subnet: Router A subnet. Ex: 192.168.10.0

    6.4   Local netmask: Router A netmask. Ex: 255.255.255.0

    6.5   Remote Gateway: Router A's WAN IP. Ex: **220.135.144.58**

    6.6   Preshare Key: Key MUST same as Router A. Ex: 1234567890

    6.7   Press "Save"

7   Press "Select IKE Proposal"

7.1   Put Proposal Name: Ex: IKE1

7.2   DH Group: Ex: Group2

7.3   Encrypt algorithm: Ex: 3DES

7.4   Auth. A;gorithm: Ex: MD5

7.5   Life Time: Ex: 28800

7.6   Then Select proposal ID 1 and add to index 1.

7.7   Press "save" and "Back"
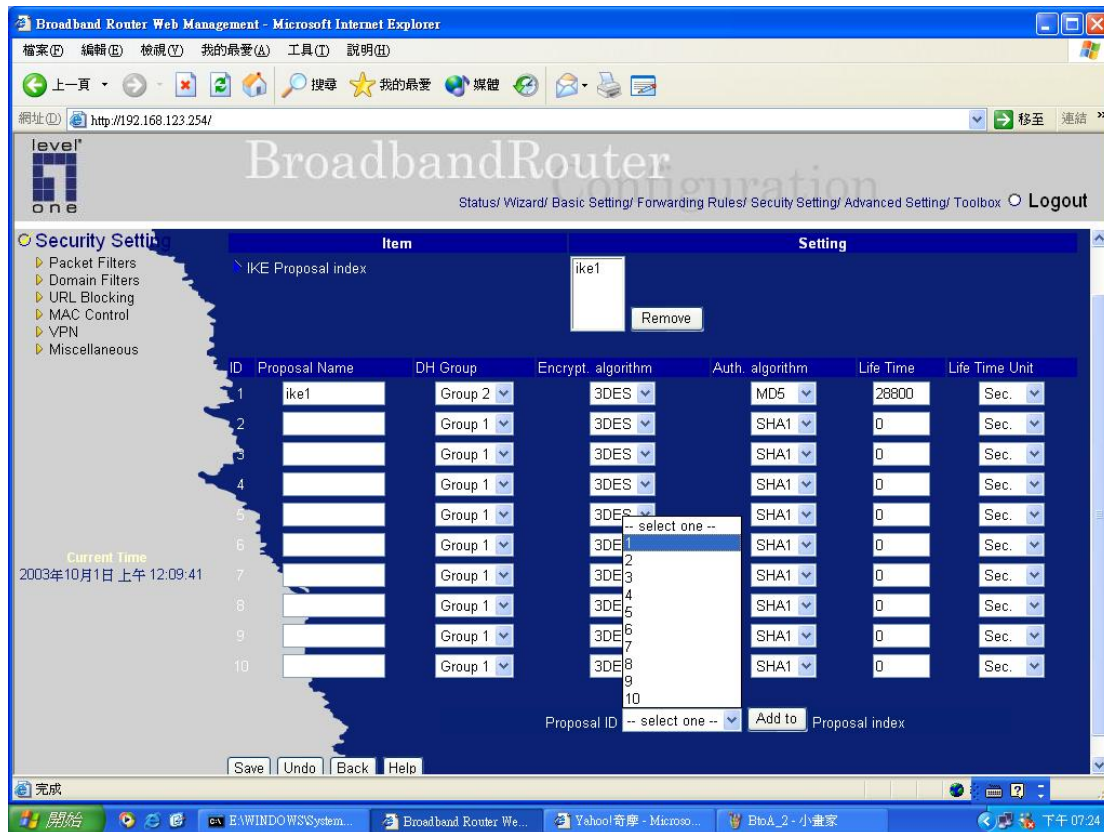
8   Press "select IPSec proposal"

    8.1   Put Proposal Name: Ex: IPSec1

    8.2   DH Group: Ex: Group2

    8.3   Encap protocol : Ex. ESP
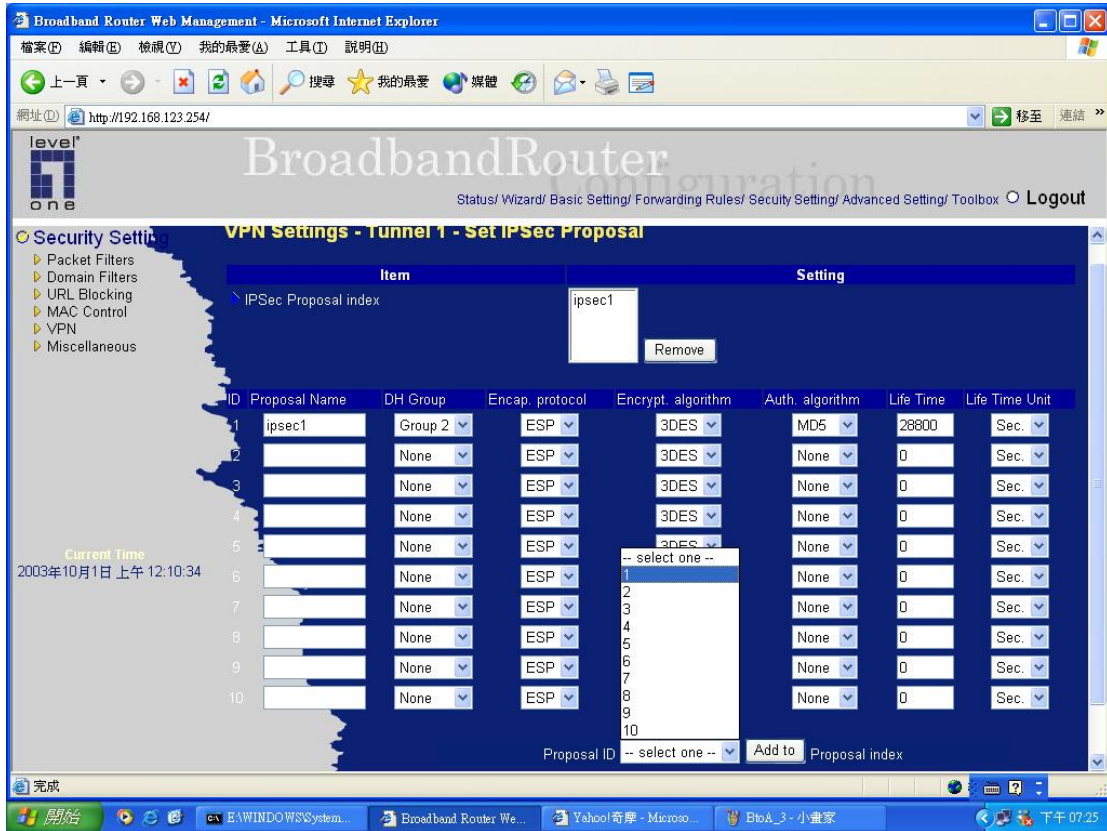
    8.4   Encrypt algorithm: Ex: 3DES

    8.5   Auth. A;gorithm: Ex: MD5

    8.6   Life Time: Ex: 28800

    8.7   Then Select proposal ID 1 and add to index 1.

    8.8   Press "Save" and "Reboot"

9   Try to initial VPN tunnel: Ex. Try to ping a device located router A from router B.