DR-250

DSL2/2+ Router

The GreenBow Ipsec VPN Client to DR-250

VPN Client 4.1, design for Windows Vista

Technical Support

If you require assistance with any of the instructions in this application note you can contact Westermo as follows:

**Sweden**
- www.westermo.se
- support.sverige@westermo.se
- Phone: +46 (0)16 42 80 00
- Fax: +46 (0)16 42 80 01

**United Kingdom**
- Web: www.westermo.co.uk
- Technical e-mail: technical@westermo.co.uk
- Telephone: +44 (0)1489 580585
- Fax: +44 (0)1489 580586

**France**
- www.westermo.fr
- support@westermo.fr
- Tél : +33 1 69 10 21 00
- Fax : +33 1 69 10 21 01

**Germany**
- www.westermo.de
- support@westermo.de
- Tel: +49(0)7254 95400-0
- Fax: +49(0)7254-95400-9

**Singapore**
- www.westermo.com
- E-mail: sales@westermo.com.sg
- Phone +65 6743 9801
- Fax +65 6745 0670
TheGreenBow VPN client to Westermo DR-250 ADSL router

Introduction
This application note covers the setup of TheGreenBow™ VPN IPsec client to a Westermo DR-250 router. TheGreenBow™ client is a commercial licensed software. A free trial version is available at www.thegreenbow.com. This client has been chosen to complement the DR series of routers and provide an easy to use client. The various versions of Microsoft Windows do support IPsec clients to a lesser or greater extent. The Microsoft clients are often problematic, time consuming to configure and require changes to the registry to make them work reliably. Westermo recommend that the TheGreenBow client is used in all application where access is required from a computer to a remote LAN. For LAN to LAN applications refer to the Westermo VPN application note.

This application note was tested with version 4.10.009 of the TheGreenBow client.
The GreenBow Setup

The Remote Gateway is the IP address or host name of the remote router WAN interface.

Preshared key to be used during the IKE negotiation.

The interface should normally be set to any. If the computer has multiple IP addresses then the IP address of the interface to be used should be listed.

Aggressive mode should be on

ID type must be KEY ID. The Local ID and Remote ID must match.
**Application Notes**

This is the address used by the computer to access the remote network. This must be the same address as used in the VPN configuration.

This is the subnet mask and address of the LAN on the router. This must match the "Local subnet IP address" in the ERoute configuration.

Address type must be "Subnet address".

The ESP credentials must match the matching ERoute on the DR or MR router.
DR-250 Setup – Eroute-x and IKE Screen shots

Set Aggressive Mode to ON

The IP address MUST be the same as The VPN Client Address on TheGreenBow

The Subnet Must Be 255.255.255.255 the client Subnet from TheGreenBow

The user number is not important
**Extract from config.da0**

Eroute configuration. The Eroute number can be any valid eroute on the router. The router must have IPsec encryption enabled on the router. The DR-250 has IPsec enabled as default but the MR-200 and MR-250 requires an upgrade option.

### Eroute Configuration

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>eroute 0 descr</td>
<td>&quot;GreenBow VPN client&quot;</td>
</tr>
<tr>
<td>eroute 0 peerid</td>
<td>&quot;Eagle&quot;</td>
</tr>
<tr>
<td>eroute 0 ourid</td>
<td>&quot;Hawk&quot;</td>
</tr>
<tr>
<td>eroute 0 locip</td>
<td>&quot;192.168.1.0&quot;</td>
</tr>
<tr>
<td>eroute 0 locmsk</td>
<td>&quot;255.255.255.0&quot;</td>
</tr>
<tr>
<td>eroute 0 remip</td>
<td>&quot;192.168.2.100&quot;</td>
</tr>
<tr>
<td>eroute 0 remmsk</td>
<td>&quot;255.255.255.255&quot;</td>
</tr>
<tr>
<td>eroute 0 ESPauth</td>
<td>&quot;MD5&quot;</td>
</tr>
<tr>
<td>eroute 0 ESPenc</td>
<td>&quot;DES&quot;</td>
</tr>
<tr>
<td>eroute 0 ltime</td>
<td>28800</td>
</tr>
<tr>
<td>eroute 0 lkbytes</td>
<td>0</td>
</tr>
</tbody>
</table>

The IP address must match the client address on GreenBow

### IKE configuration

Aggressive mode must be switched ON.

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ike 0 encalg</td>
<td>&quot;3DES&quot;</td>
</tr>
<tr>
<td>ike 0 ltime</td>
<td>28800</td>
</tr>
<tr>
<td>ike 0 aggressive</td>
<td>ON</td>
</tr>
<tr>
<td>ike 0 deblevel</td>
<td>4</td>
</tr>
<tr>
<td>ike 1 encalg</td>
<td>&quot;3DES&quot;</td>
</tr>
<tr>
<td>ike 1 ltime</td>
<td>28800</td>
</tr>
<tr>
<td>ike 1 aggressive</td>
<td>ON</td>
</tr>
</tbody>
</table>