

## ANTHAVPN VS. BLUEFIRE MOBILE SECURITY VPN

The following is a summary of the results obtained from a Bluefire VPN testing. First of all, when configuring the policy there's no possibility of selecting the gateway we want to connect to. Specifications say that it works with Cisco and Nortel routers. There's a checkbox to choose so we can presume that if the user does not tick that checkbox it will work for Cisco and if he does it will work for Nortel.

When configuring a policy for Cisco, if we set everything "automatic", it does not connect. Then we manually configure the IKE and IPSec parameters but connection fails again. In fact Cisco logs show nothing.

There's no option to configure the connection we want to use. Then we can try to configure both net and pdas cards. There's a BluefireVPN adapter and make it work over the Internet. Then we go back to Bluefire, set automatic and connection failed again. Finally the connection works when we manually configure IKE and IPSEC. Username and password cannot be introduced until the router asks for them. There's a checkbox to save login and password but it doesn't work, the user is asked in every connection.

There are no other policy options to configure. Nothing about configuring protected networks, nor DNS, nor WINS,

Regarding bluefire tools, it only has statistics of those paquets that go through the VPN and those tha don't. There

**As a conclusion we can say that anthaVPN is much more complete than Bluefire client.**

FEATURE COMPARISON	ANTHAVPN	MOBILE VPN
IKE Log	yes	no
IP Packet Statistics	yes	yes
Integrated Ping Tool	no	no
IPsec Policy Display	yes	no
Tunnel Status Indicator	yes	no
Automatic Dialup Support	yes	yes
SA Lifetime Configuration	yes	no
Socket Retry/Timeout Configuration	yes	no
Configurable MTU Value	no	no
Command Line Interface	yes	no
<b>Supported Protocols</b>		
Tunnel mode ESP	yes	yes
Aggressive Mode Negotiation	yes	yes
Main Mode Negotiation	yes	yes
<b>Supported Algorithms</b>		
AES (IKE/IPSec)	yes	yes
DH1536 (Group 5), ECDH163 and ECDH283	yes	yes
SHA1, MD5, DES - CBC, 3DES-CBC	yes	yes
DH768, DH1024(Groups 1 and 2)	yes	yes
for key exchange. (Groups 7 and 9)	yes	no
<b>Advanced Gateway functionality</b>		
Perfect Forward Secrecy	yes	yes
Split - Tunneling*	yes	no
Dynamic IP Allocation*	yes	no

FEATURE COMPARISON	ANTHAVPN	MOBILE VPN
DNS Server Download*	yes	no
NAT Traversal Support*	yes	no
IETF NAT-T	yes	no
Push Policy	yes	no
Connectionbanner	yes	no
Dead peer detection	yes	no
Manual Network (Static IP, DNS, WNS)Configuration	yes	no
<b>Abundant Connectivity Modes</b>		
GPRS, GSM, CDMA, IrDA	yes	yes
Bluetooth, Ethernet	yes	yes
1xRTT, TDMA, iDEN, CDPD, 802.1x	yes	yes
Dial-up timeout control	yes	no
<b>Flexible Authentication</b>		
Pre-shared Keys	yes	yes
Extended Authentication (XAUTH)*	yes	yes
RSA SecurID Software token Integration	yes	no
Administrator Configurable (with anthaDM)	yes	yes (with Enterprise Manager)
Built on a FIPS 140-2 Validated Cryptographic Module	yes	yes
Advanced WiFi connection manager	yes	no
<b>Available Versions</b>		
Pocket PC 2002	yes	yes
Windows Mobile 2003	yes	yes
Windows mobile 2005	yes	yes
Windows mobile 2005 Smartphone	no	yes (announced)
Symbian	no	yes (announced)
Palm	yes	yes (only Treo 650)
CE.NET	yes	no
CE 5.0	yes	no
<b>Gateway Support</b>		
Alcatel 7130 Secure VPN Gateway Family	yes	no
Avaya VSU™ Series	yes	no
Check Point™ Software Technologies VPN-1	yes	no
Cisco VPN Concentrator 3000 Series	yes	yes
Cisco Secure PIX Firewall VPN	yes	no
Cisco IOS with Easy VPN Server	yes	no

FEATURE COMPARISON	ANTHAVPN	MOBILE VPN
Cylink Nethawk	yes	no
Hewlett-Packard VPN SA 3000 Series	yes	no
Intel® Netstructure™ 3100 Series	yes	no
Lucent Firewall Brick Family	yes	no
Netscreen Systems	yes	no
Nortel Networks Contivity VPN Switch Series	yes	yes
Radguard clPro Series	yes	no
ReefEdge Connect Server	yes	no
Secure Computing Sidewinder™ Firewall	yes	no
Symantec Raptor Firewall and PowerVPN	yes	no
Symantec Gateway Security 300	yes	no