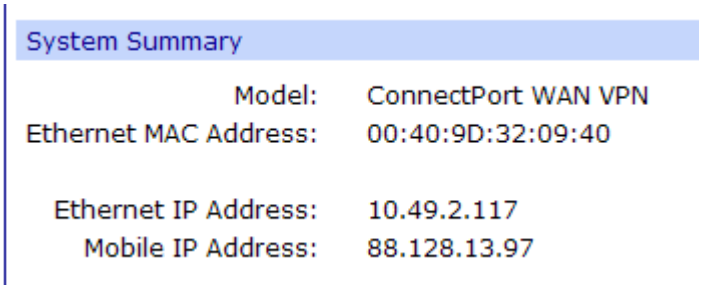
VPN Tunnel Digi vs Linksys

Configuration of a VPN tunnel between the Digi Connect Port WAN and a Linksys VPN Router

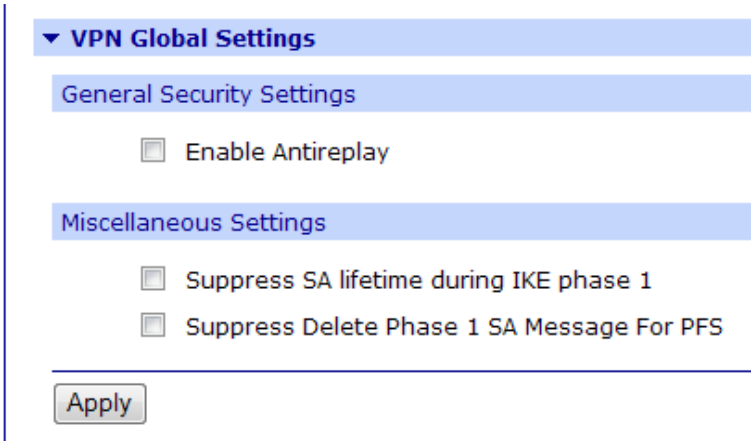
Tunnel initiated by the Linksys Router RV42

1. Configuring the Digi Connect Port WAN VPN

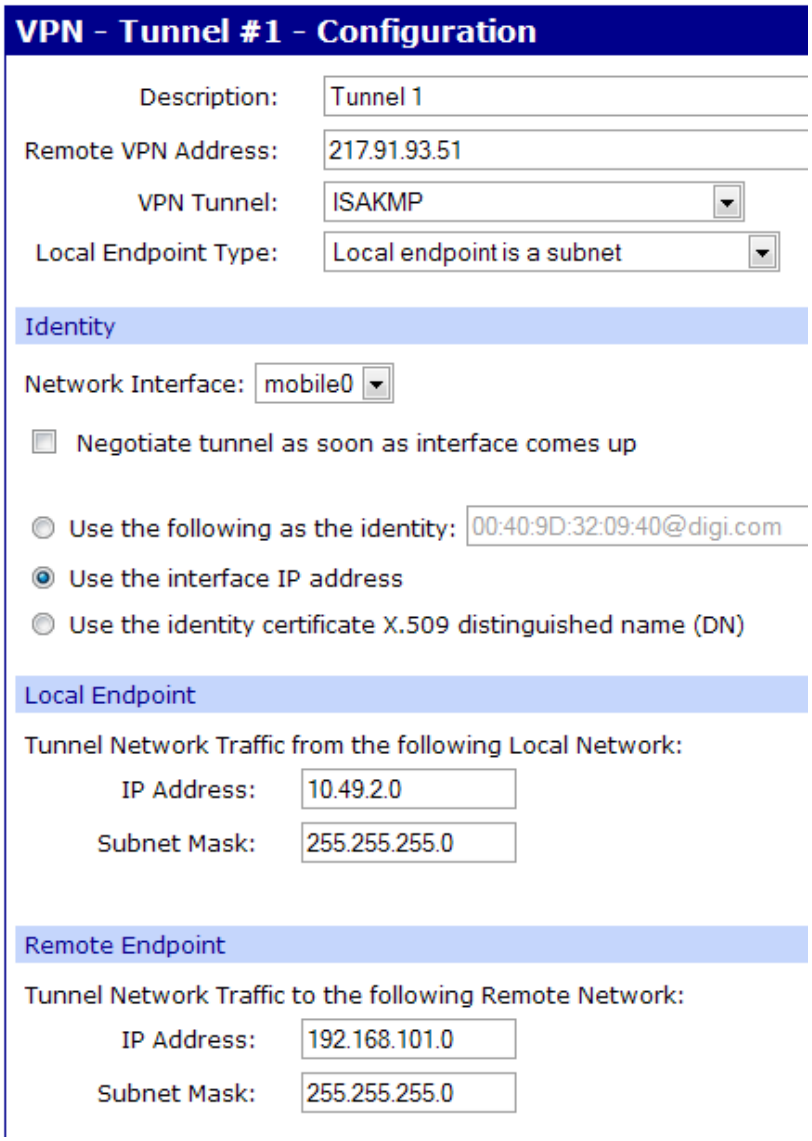
To establish a link to the Digi from the Linksys you need to have a public IP address from the carrier network:

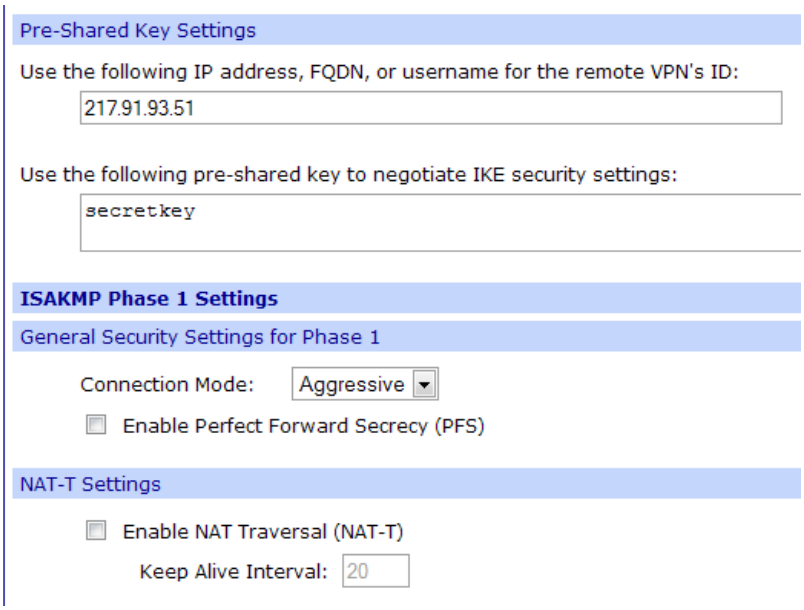


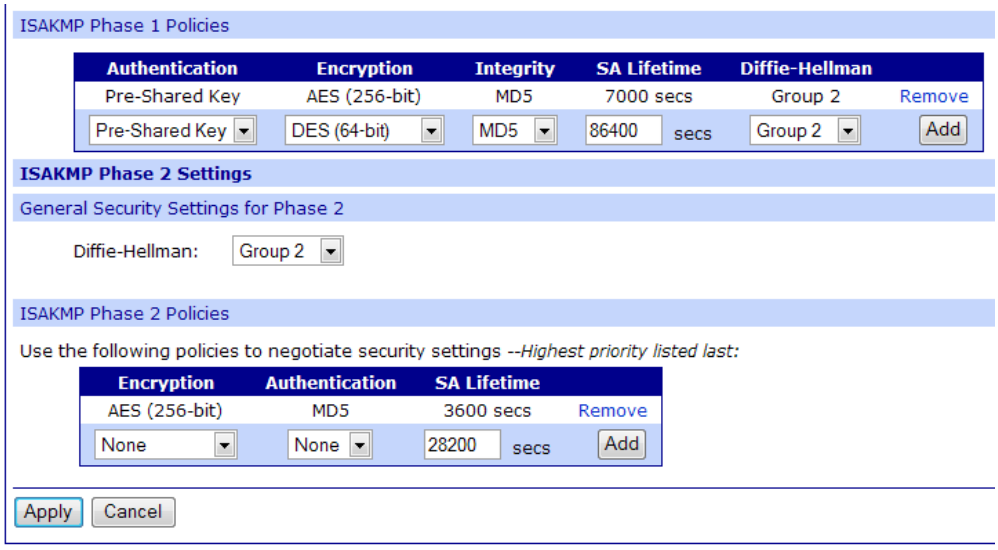
Setup of the Digi ConnectPort WAN VPN tunnel

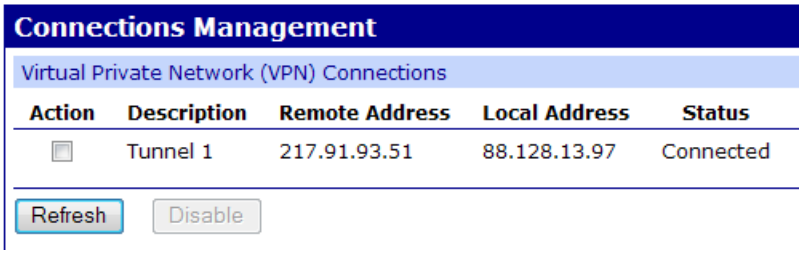


Tunnel initiated by the Linksys Router RV42

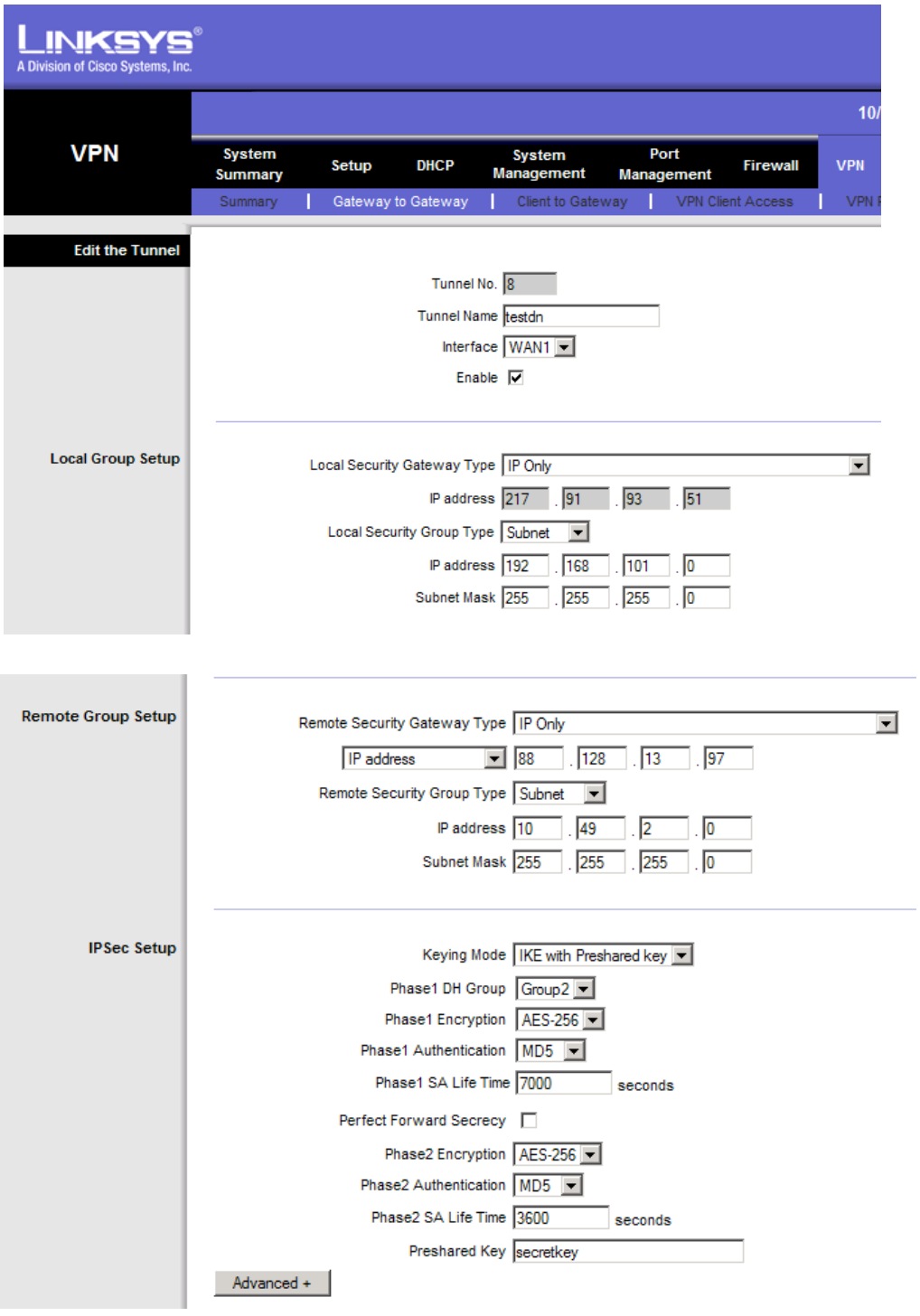


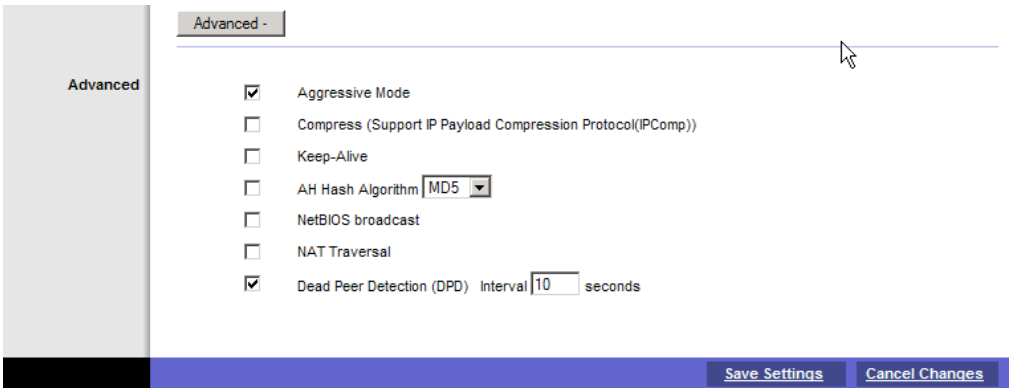

Pre-Shared Key Settings
Use the following IP address, FQDN, or username for the remote VPN's ID:
217.91.93.51
Use the following pre-shared key to negotiate IKE security settings:
secretkey
ISAKMP Phase 1 Settings
General Security Settings for Phase 1
Connection Mode:
Aggressive
Enable Perfect Forward Secrecy (PFS)
NAT-T Settings
Enable NAT Traversal (NAT-T)
Keep Alive Interval:
20


ISAKMP Phase 1 Policies
Authentication
Encryption
Integrity
SA Lifetime
Diffie-Hellman
Pre-Shared Key
AES (256-bit)
MD5
7000 secs
Group 2
Remove
Pre-Shared Key
DES (64-bit)
MD5
86400
secs
Group 2
Add
ISAKMP Phase 2 Settings
General Security Settings for Phase 2
Diffie-Hellman:
Group 2
ISAKMP Phase 2 Policies
Use the following policies to negotiate security settings --Highest priority listed last:
Encryption
Authentication
SA Lifetime
AES (256-bit)
MD5
3600 secs
Remove
None
None
28200
secs
Add
Apply
Cancel

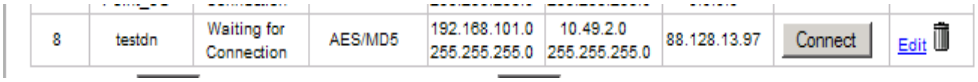

Connections Management
Virtual Private Network (VPN) Connections
Action
Description
Remote Address
Local Address
Status
Tunnel 1
217.91.93.51
88.128.13.97
Connected
Refresh
Disable

2. Configuring the Linksys Router

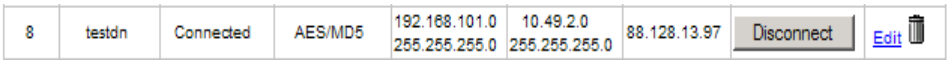


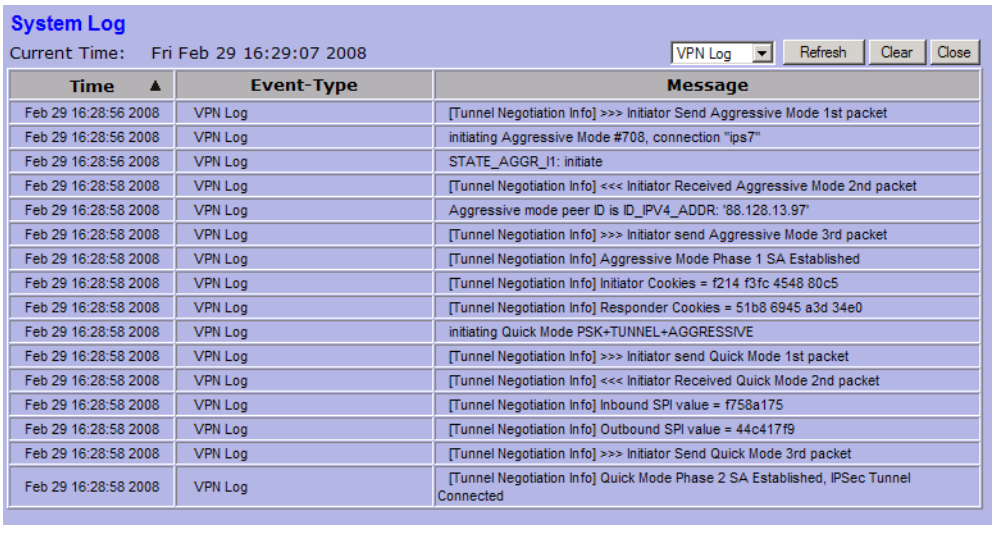


Press the connect button



Now it's connected





Time	Event-Type	Message
Feb 29 16:28:56 2008	VPN Log	[Tunnel Negotiation Info] >>> Initiator Send Aggressive Mode 1st packet
Feb 29 16:28:56 2008	VPN Log	initiating Aggressive Mode #708, connection "ips7"
Feb 29 16:28:56 2008	VPN Log	STATE_AGGR_I1: initiate
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] <<< Initiator Received Aggressive Mode 2nd packet
Feb 29 16:28:58 2008	VPN Log	Aggressive mode peer ID is ID_IPV4_ADDR: '88.128.13.97'
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] >>> Initiator send Aggressive Mode 3rd packet
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] Aggressive Mode Phase 1 SA Established
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] Initiator Cookies = f214 f3fc 4548 80c5
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] Responder Cookies = 51b8 6945 a3d 34e0
Feb 29 16:28:58 2008	VPN Log	initiating Quick Mode PSK+TUNNEL+AGGRESSIVE
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] >>> Initiator send Quick Mode 1st packet
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] <<< Initiator Received Quick Mode 2nd packet
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] Inbound SPI value = f758a175
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] Outbound SPI value = 44c417f9
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] >>> Initiator Send Quick Mode 3rd packet
Feb 29 16:28:58 2008	VPN Log	[Tunnel Negotiation Info] Quick Mode Phase 2 SA Established, IPSec Tunnel Connected