I got the VPN up between the RV042 and my ASA5505.

I was a bit perplexed during this process, as i kept on getting ISAKMP proposals failing. Then i noticed that my RV042 tunnel was tunnel B .

I discovered that tunnel A on the RV042 would accept any remote tunnel, so i disabled tunnel A on your RV042.

All i did was then was, mirror the settings on the RV042 and my ASA5505 and the tunnel popped open.

I could not ping any other device on the LAN , not sure about the remote Hosts and their setup or firewalls etc..but even the RV042 could not ping any other device on it's own LAN so i assumed that either devices must be turned off or they might have a firewall on these devices that stop ping.

regards Dave

Figure 1: ping from my PC to your router

```
C:\Documents and Settings\dhornste>ping 172.16.10.1 -t

Pinging 172.16.10.1 with 32 bytes of data:

Reply from 172.16.10.1: bytes=32 time=77ms TTL=63
Reply from 172.16.10.1: bytes=32 time=73ms TTL=63
Reply from 172.16.10.1: bytes=32 time=74ms TTL=63
Reply from 172.16.10.1: bytes=32 time=75ms TTL=63
Reply from 172.16.10.1: bytes=32 time=75ms TTL=63
Reply from 172.16.10.1: bytes=32 time=72ms TTL=63
Reply from 172.16.10.1: bytes=32 time=74ms TTL=63
Reply from 172.16.10.1: bytes=32 time=78ms TTL=63
Reply from 172.16.10.1: bytes=32 time=74ms TTL=63
Reply from 172.16.10.1: bytes=32 time=73ms TTL=63
Reply from 172.16.10.1: bytes=32 time=80ms TTL=63
Reply from 172.16.10.1: bytes=32 time=72ms TTL=63
Reply from 172.16.10.1: bytes=32 time=84ms TTL=63
Reply from 172.16.10.1: bytes=32 time=73ms TTL=63
Reply from 172.16.10.1: bytes=32 time=75ms TTL=63
Reply from 172.16.10.1: bytes=32 time=74ms TTL=63
Reply from 172.16.10.1: bytes=32 time=73ms TTL=63
Reply from 172.16.10.1: bytes=32 time=74ms TTL=63
Reply from 172.16.10.1: bytes=32 time=75ms TTL=63

Ping statistics for 172.16.10.1:
    Packets: Sent = 19, Received = 19, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 72ms, Maximum = 84ms, Average = 75ms
Control-C
^C
C:\Documents and Settings\dhornste>
```

Figure 2: Uptime of the tunnel and encryption setup and negotiated parameters

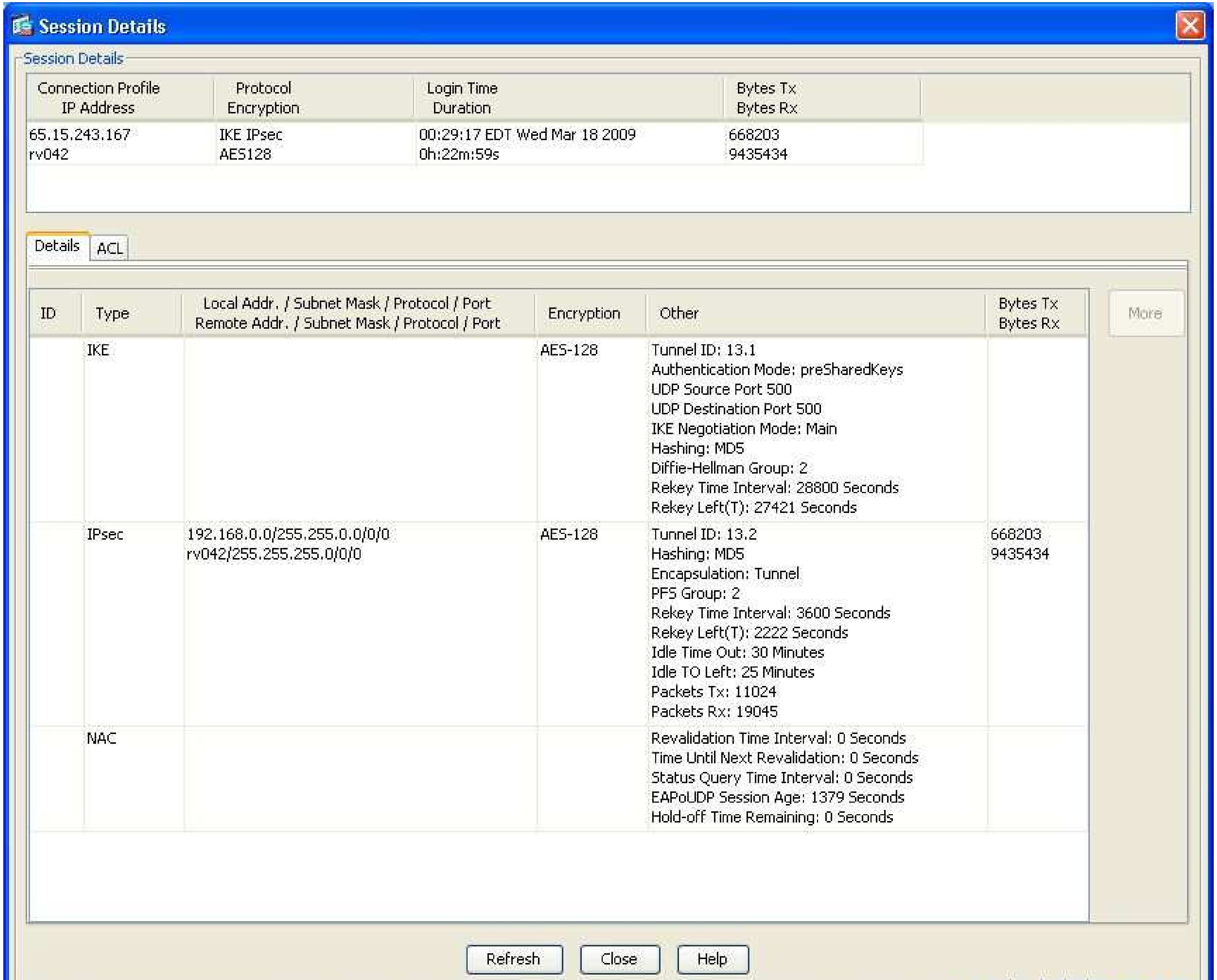

Session Details
Session Details
Connection Profile IP Address
Protocol Encryption
Login Time Duration
Bytes Tx Bytes Rx
65.15.243.167
rv042
IKE IPsec
AES128
00:29:17 EDT Wed Mar 18 2009
0h:22m:59s
668203
9435434
Details
ACL
ID
Type
Local Addr. / Subnet Mask / Protocol / Port
Remote Addr. / Subnet Mask / Protocol / Port
Encryption
Other
Bytes Tx
Bytes Rx
More
IKE
AES-128
Tunnel ID: 13.1
Authentication Mode: preSharedKeys
UDP Source Port 500
UDP Destination Port 500
IKE Negotiation Mode: Main
Hashing: MD5
Diffie-Hellman Group: 2
Rekey Time Interval: 28800 Seconds
Rekey Left(T): 27421 Seconds
IPsec
192.168.0.0/255.255.0.0/0/0
rv042/255.255.255.0/0/0
AES-128
Tunnel ID: 13.2
Hashing: MD5
Encapsulation: Tunnel
PFS Group: 2
Rekey Time Interval: 3600 Seconds
Rekey Left(T): 2222 Seconds
Idle Time Out: 30 Minutes
Idle TO Left: 25 Minutes
Packets Tx: 11024
Packets Rx: 19045
668203
9435434
NAC
Revalidation Time Interval: 0 Seconds
Time Until Next Revalidation: 0 Seconds
Status Query Time Interval: 0 Seconds
EAPoUDP Session Age: 1379 Seconds
Hold-off Time Remaining: 0 Seconds
Refresh
Close
Help

Figure 3 : My setup

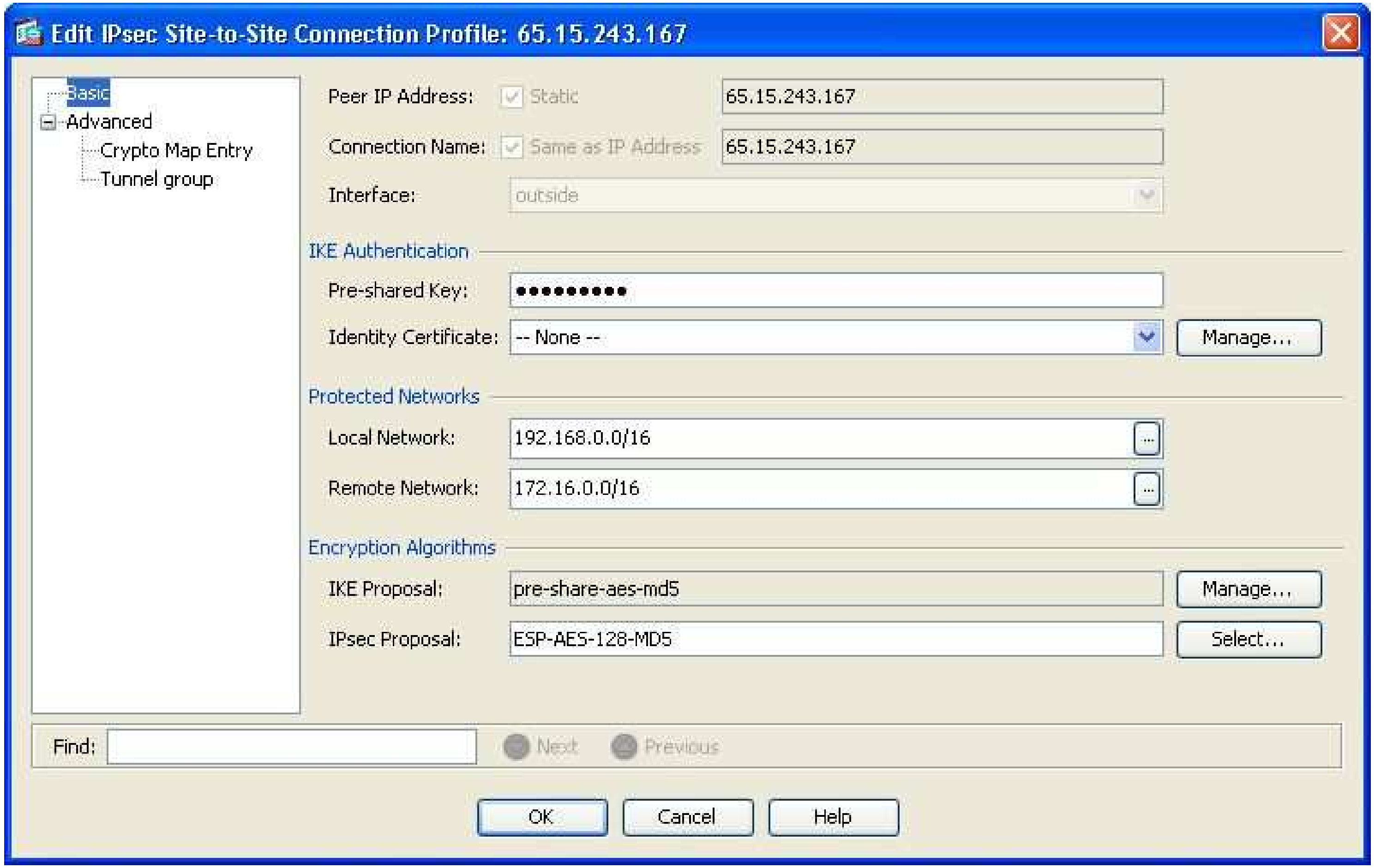


Figure 4: My setup

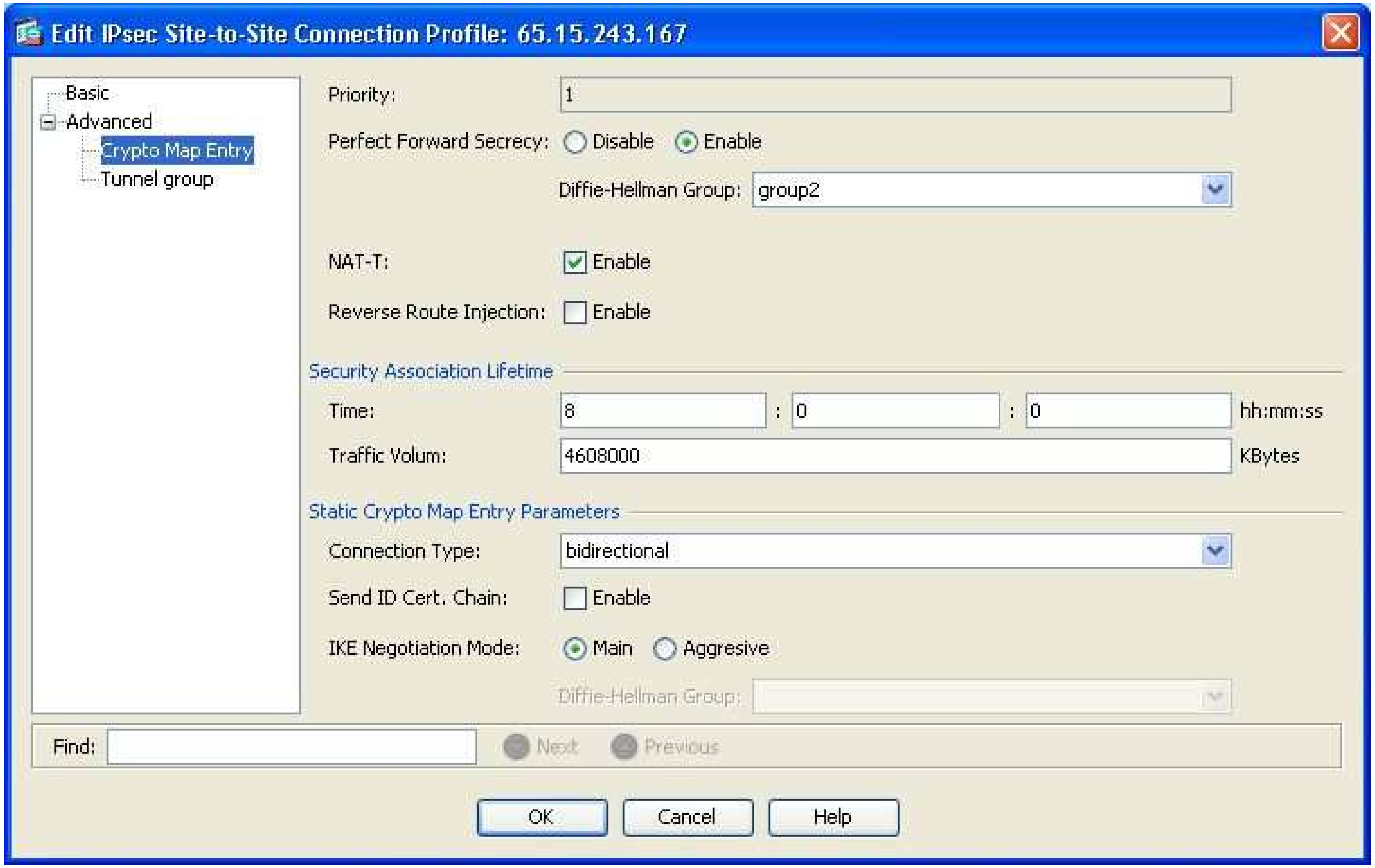


Figure 5: continue of My setup of my ACL in my ASA5505

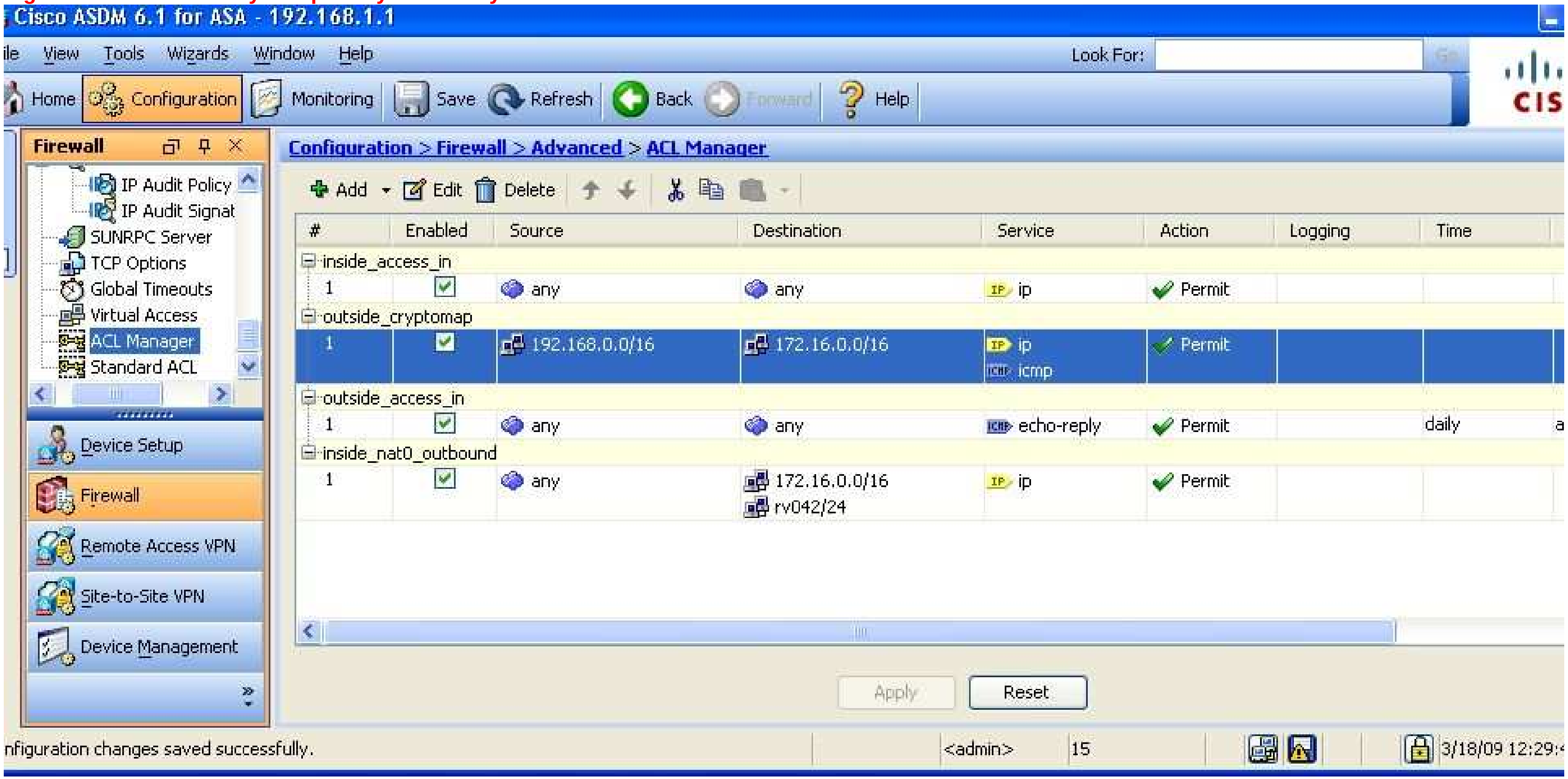


Figure 6: Your setup

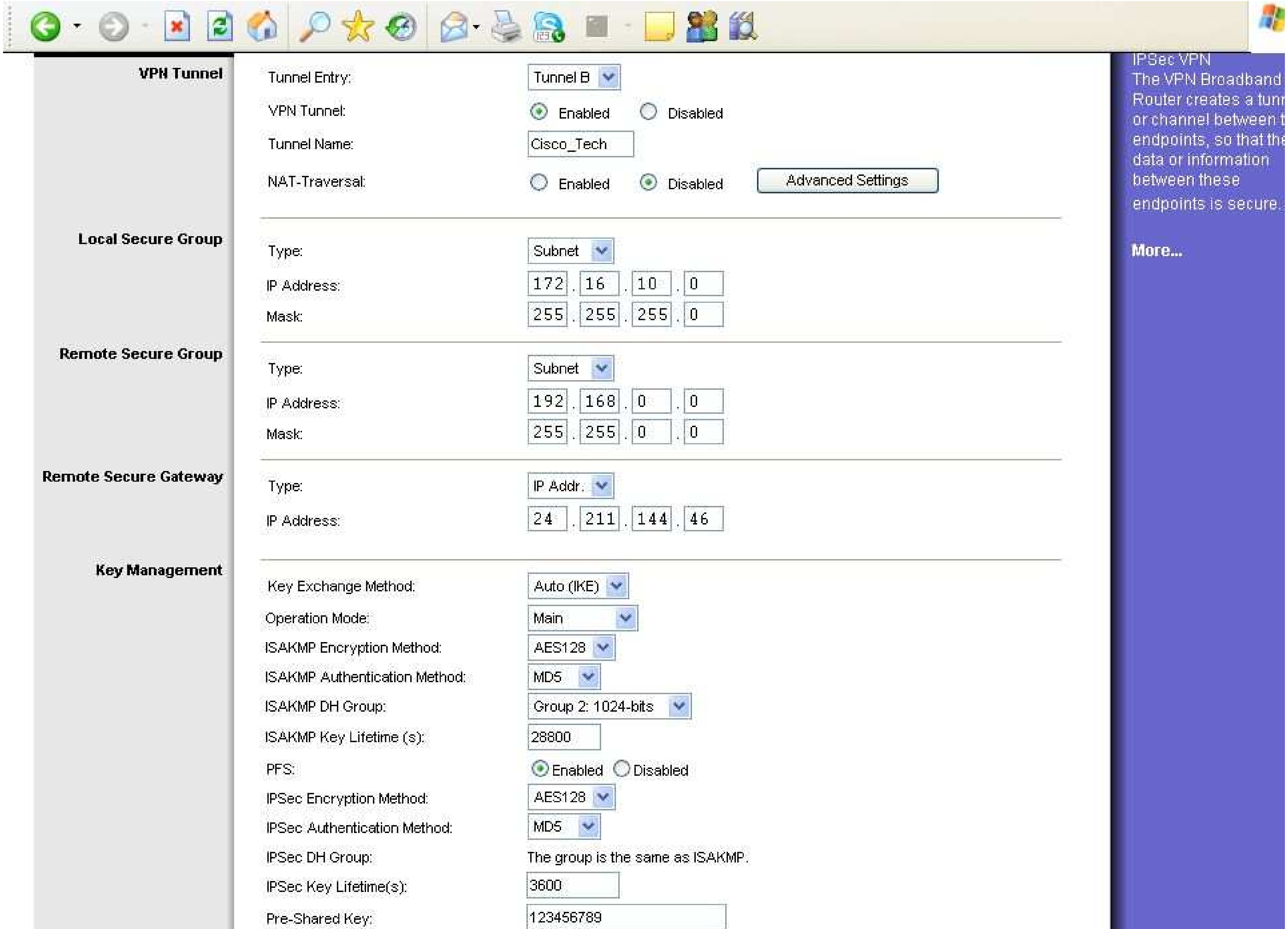
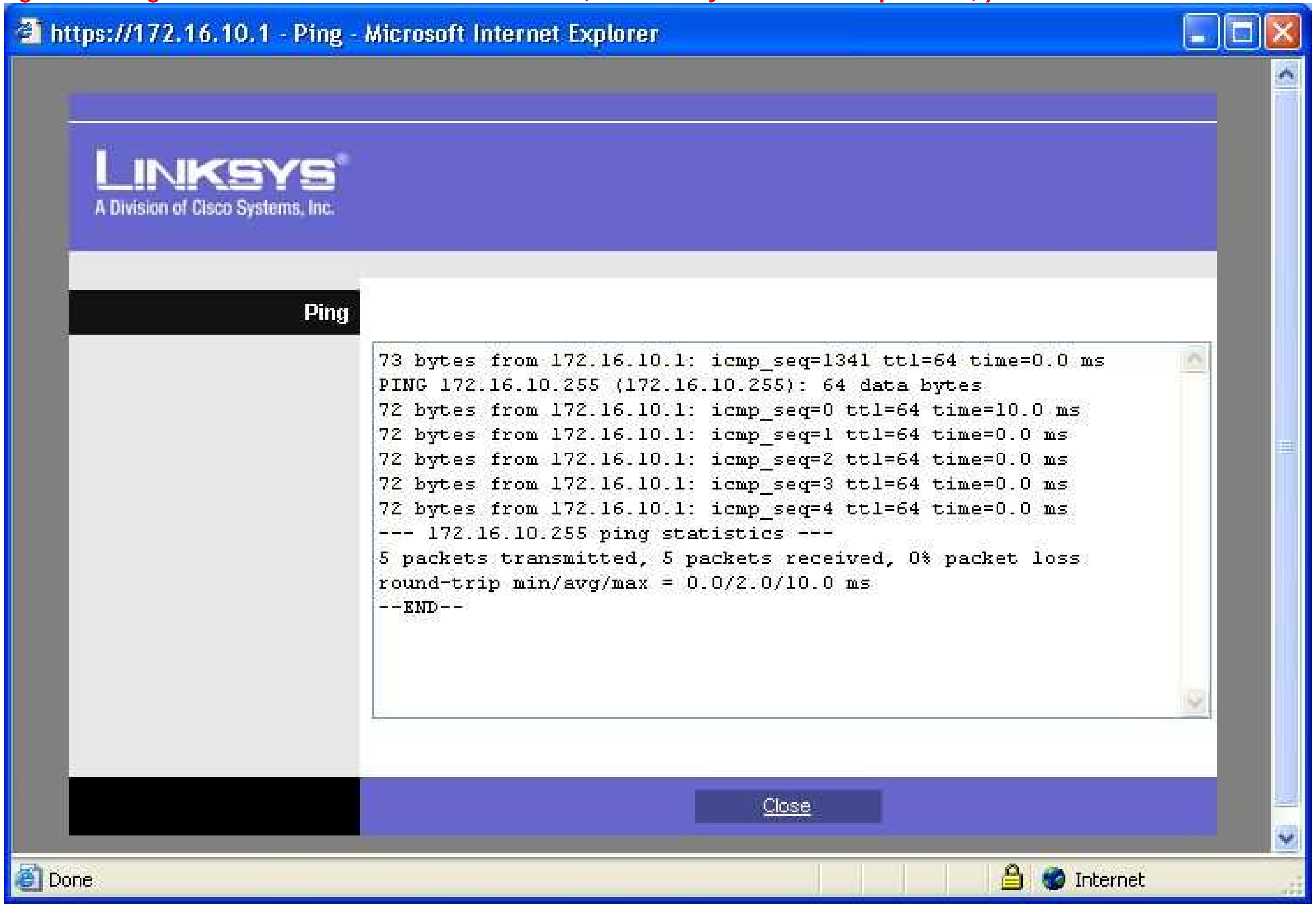

VPN Tunnel
Tunnel Entry: Tunnel B
VPN Tunnel: Enabled Disabled
Tunnel Name: Cisco_Tech
NAT-Traversal: Enabled Disabled
Advanced Settings
Local Secure Group
Type: Subnet
IP Address: 172 . 16 . 10 . 0
Mask: 255 . 255 . 255 . 0
Remote Secure Group
Type: Subnet
IP Address: 192 . 168 . 0 . 0
Mask: 255 . 255 . 0 . 0
Remote Secure Gateway
Type: IP Addr.
IP Address: 24 . 211 . 144 . 46
Key Management
Key Exchange Method: Auto (IKE)
Operation Mode: Main
ISAKMP Encryption Method: AES128
ISAKMP Authentication Method: MD5
ISAKMP DH Group: Group 2: 1024-bits
ISAKMP Key Lifetime (s): 28800
PFS: Enabled Disabled
IPSec Encryption Method: AES128
IPSec Authentication Method: MD5
IPSec DH Group: The group is the same as ISAKMP.
IPSec Key Lifetime(s): 3600
Pre-Shared Key: 123456789
IPSec VPN
The VPN Broadband Router creates a tunn or channel between t endpoints, so that the data or information between these endpoints is secure.
More...

Figure 7: Ping from the RV042 to broadcast address, notice only the router responded ;-)



you owe me a few beers, if it works

regards Dave