

IPSec transport mode issues between client and file server

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I have a Windows XP pro client and a Windows 2003 file server in the same domain that I am trying to use IPSec transport mode to authenticate and encrypt (AH + ESP) all TCP port 445 traffic between client and server. Currently using Kerberos as authentication method. Link is established between both clients, and I can see encrypted traffic being exchanged between file server and client via Ethereal (<http://www.ethereal.com>) packet filter.

But whenever I try to access the file share, the link fails, even though IPSec encrypted traffic is being exchanged. The event logs show ID 541 which indicates a successful IKE exchange. Below is a command line exchange, where X:\ is the file share drive on the server. The link is successful, but I cannot access any files:

Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

```
c:\Documents and Settings\user.DOMAIN>x:
```

```
X:\>dir
Volume in drive X is E OF BORG
Volume Serial Number is A0B8-68B9
```

```
Directory of X:\
```

```
File Not Found
```

```
X:\>c:
```

```
C:\Documents and Settings\user.DOMAIN>x:
```

```
X:\>dir
Volume in drive X is E OF BORG
Volume Serial Number is A0B8-68B9
```

```
Directory of X:\
```

microsoft.public.windows.server.security: IPSec transport mode issues between client and file server

File Not Found

X:|>