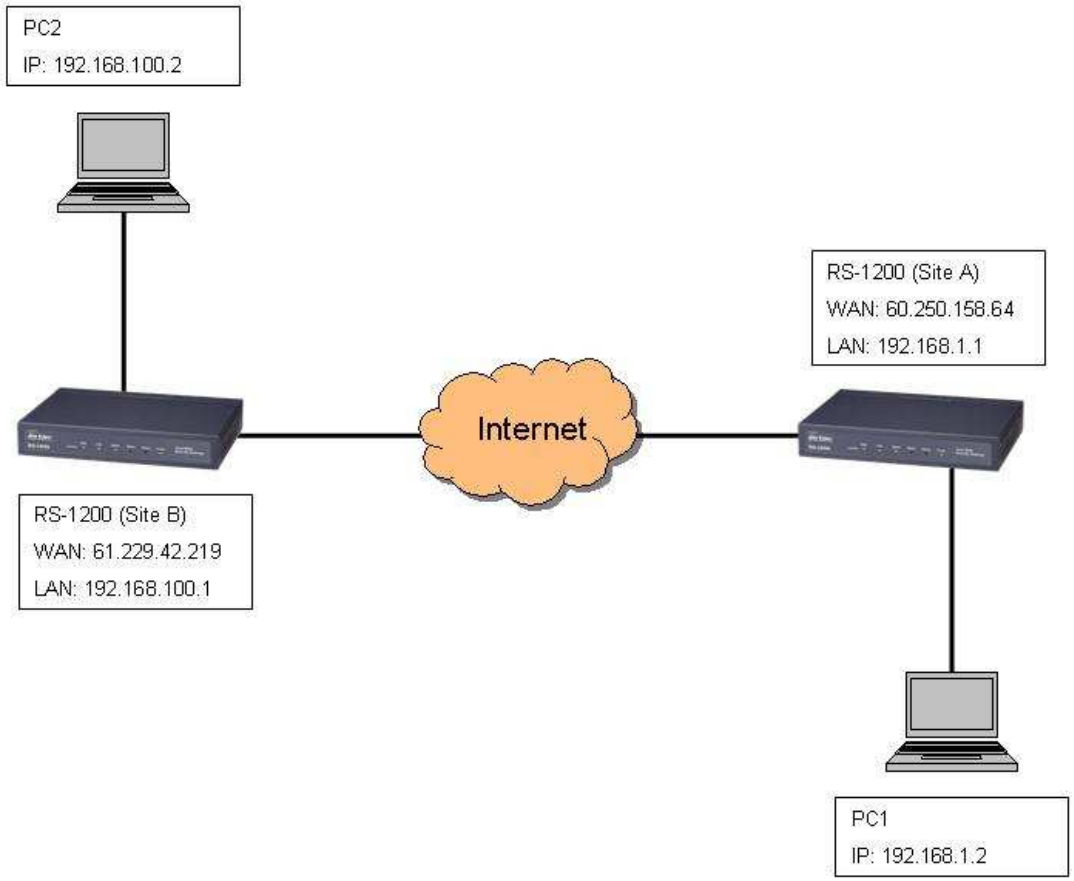
How to establish the VPN between two RS Series



Note: Here, we use the RS-1200 for the example, it can also used on the RS-2500 and RS-3000.

Site A RS-1200 Configuration:

1. Configure **VPN → IPSec Autokey** as following example:
   - **Remote Gateway:** indicate the other side VPN router's IP address or domain name
   - **Preshared Key:** user can define the key by himself, the key uses to identify the exchanged data for VPN
   - **Encryption:** support DES, 3DES, AES-128, AES-192, and AES-256, AES-256 provides more secure encrypted type but less performance.
   - **Authentication:** support MD5 and SHA-1
   - Both sides **Preshared Key**, **Encryption** and **Authentication** setting must be the same, or VPN tunnel cannot be built up.

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- **ISAKMP Life Time**, **IPSec Life Time:** both settings are related to the life time of VPN tunnel, if you do not know how to configure it, just leave the setting as default.

2. Configure **Tunnel** to define further IPSec rule. (In RS-1200, the item name is **Trunk**)
   - **Source Subnet / Mask:** indicate Site A LAN IP subnet
   - **Destination Subnet / Mask:** indicate Site B LAN IP subnet

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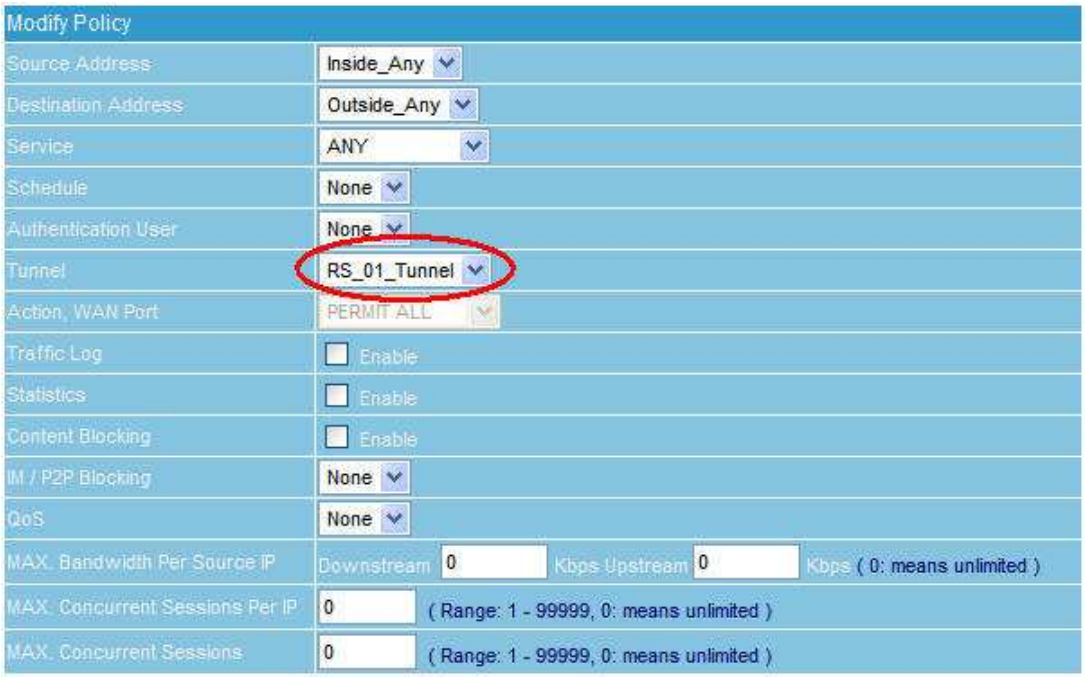
- **Keep alive IP:** it uses to trigger the connection of VPN tunnel in order to keep VPN tunnel working. It is usually to configure the Keep alive IP with the other VPN side router's LAN IP address.
- **Show remote Network Neighborhood:** allow NetBIOS protocol to pass through VPN tunnel

3. Enable IPSec VPN in Outgoing and Incoming Policy



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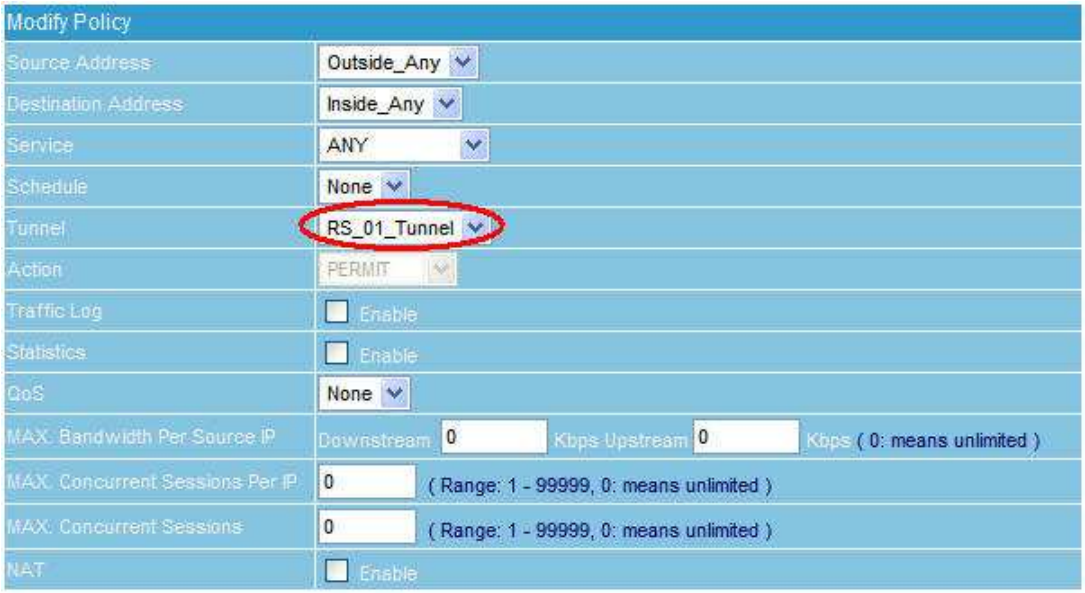

Site B RS-1200 Configuration:

1. Configure **VPN** → **IPSec Autokey** as following example:

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2. Configure **Tunnel** to define further IPSec rule. (In RS-1200, the item name is **Trunk**)

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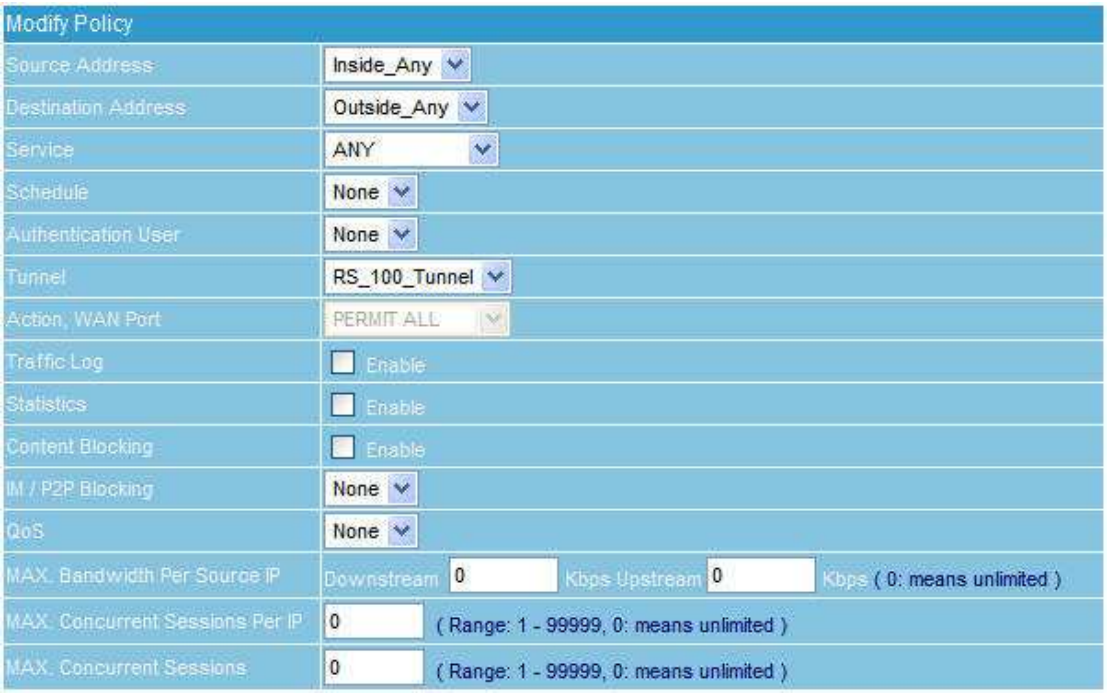
3. Enable IPSec VPN in Outgoing and Incoming Policy



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4. Finish both site of VPN setting.

Verify the VPN connection

From Site A PC 192.168.1.2

1. Try to ping Site B LAN IP 192.168.100.1 and the IP address 192.168.100.2 of PC2, both ping results are fine.

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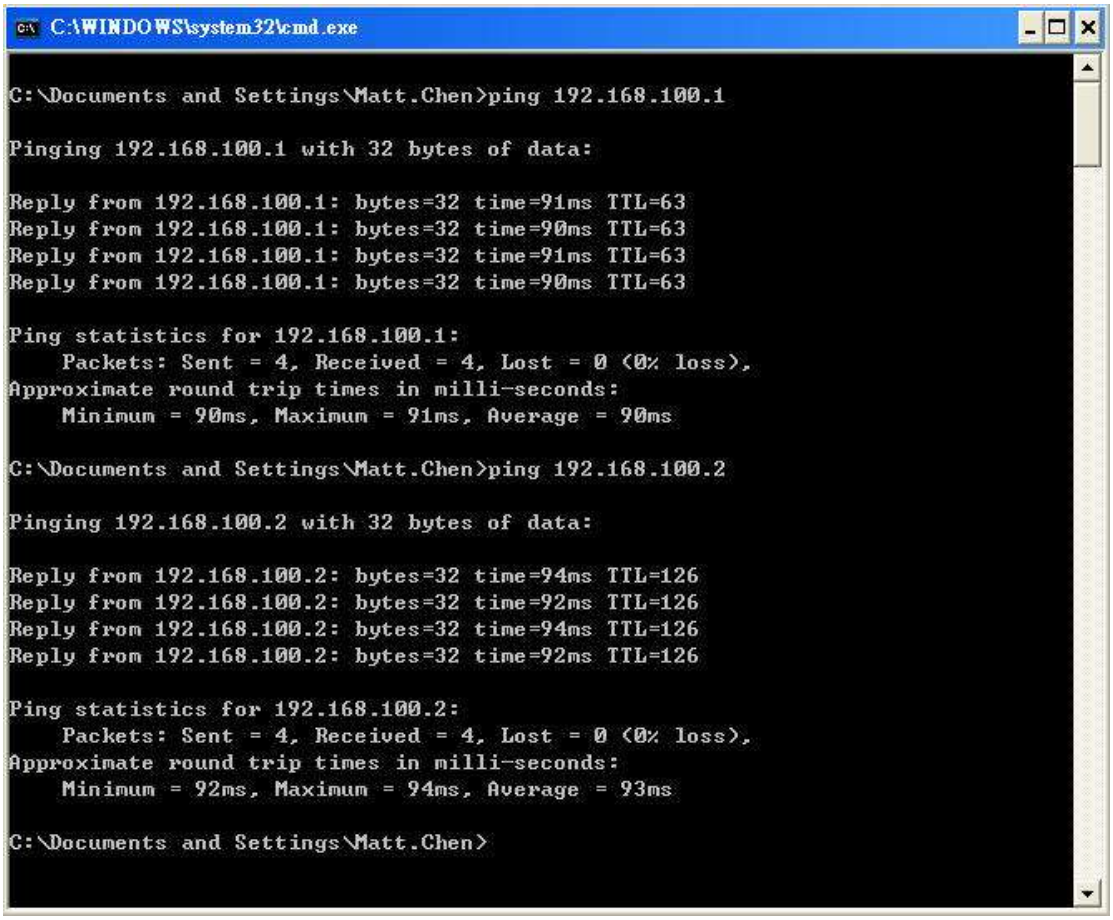
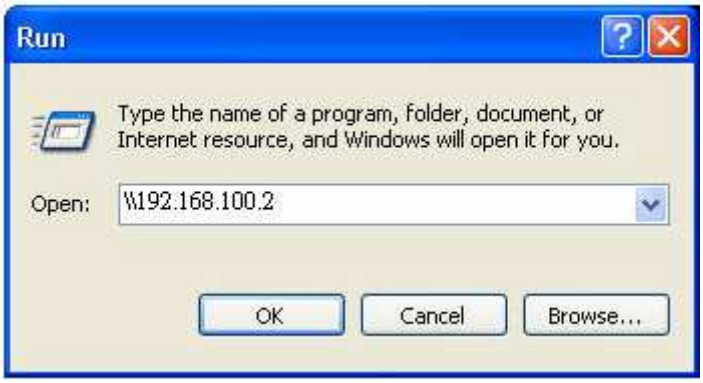


2. PC1 also can connect to PC2 directly using IP 192.168.100.2, and send file to PC2.



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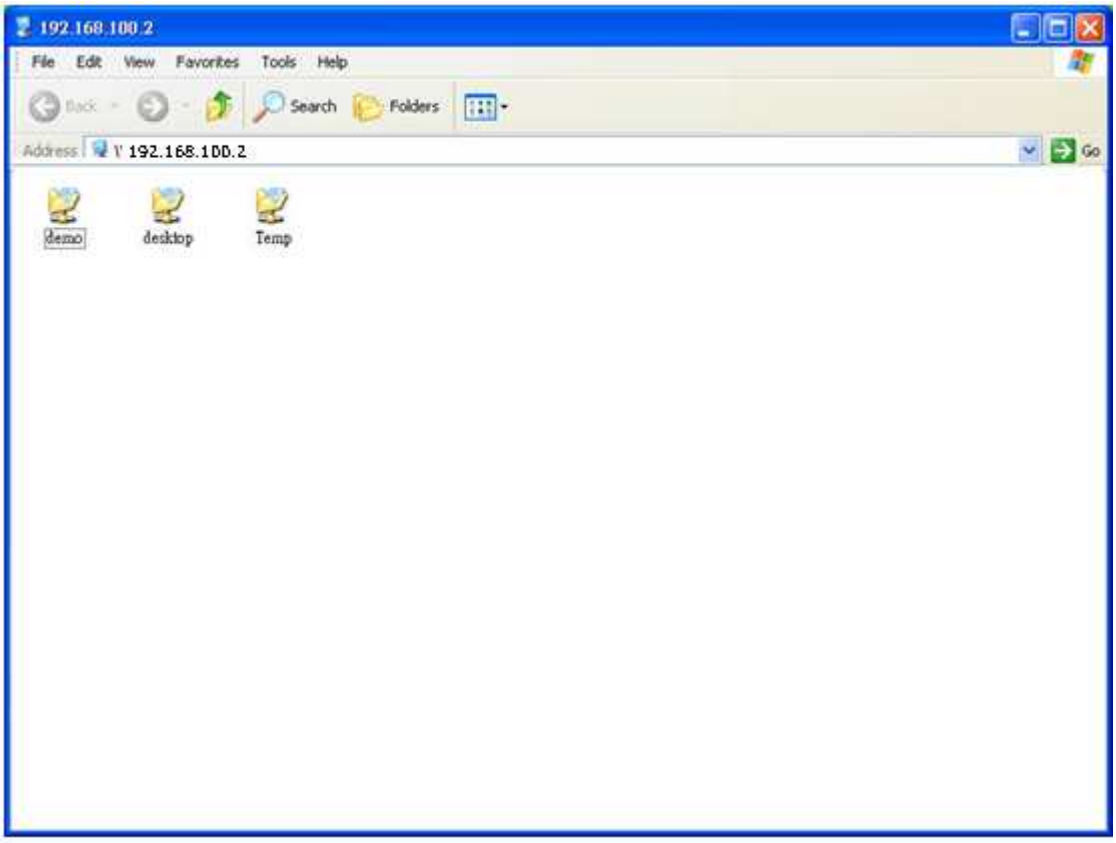

From Site B PC 192.168.100.2

1. Try to ping Site A LAN IP 192.168.1.1 and the IP address 192.168.1.2 of PC1, both ping results are fine.

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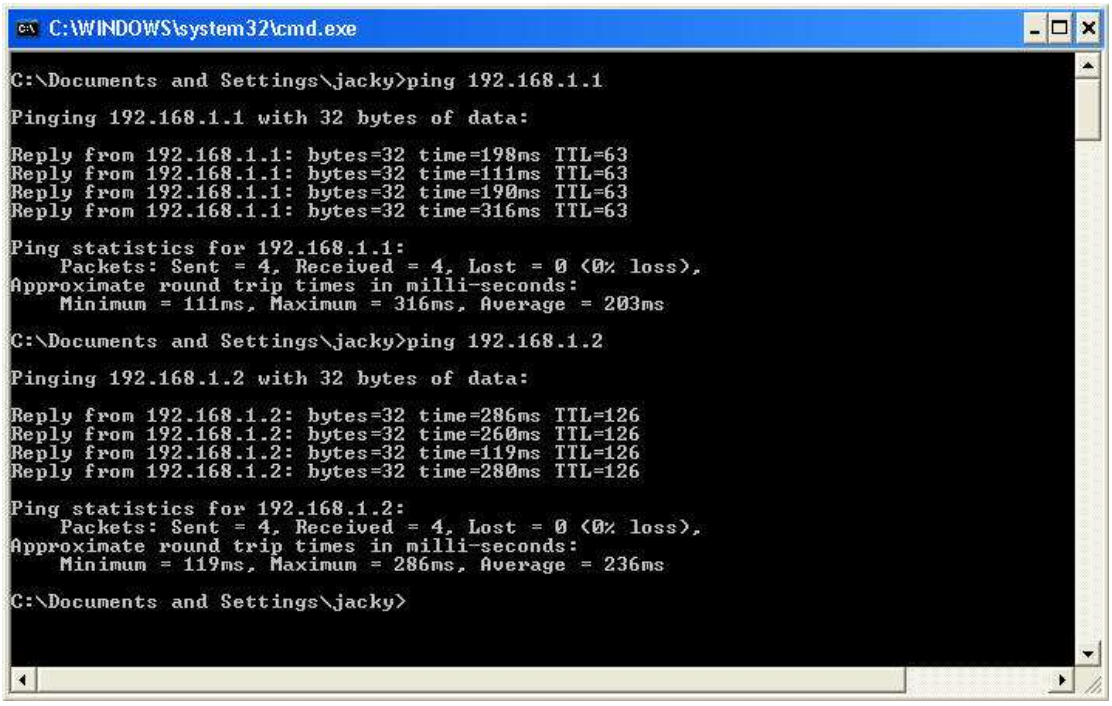
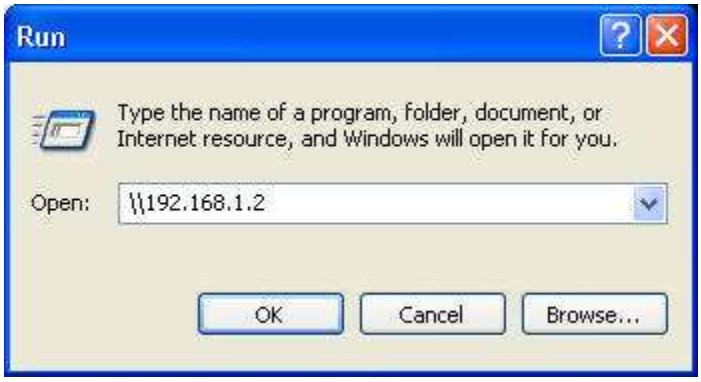


2. PC2 also can connect to PC1 directly using IP 192.168.1.2, and send file to PC1



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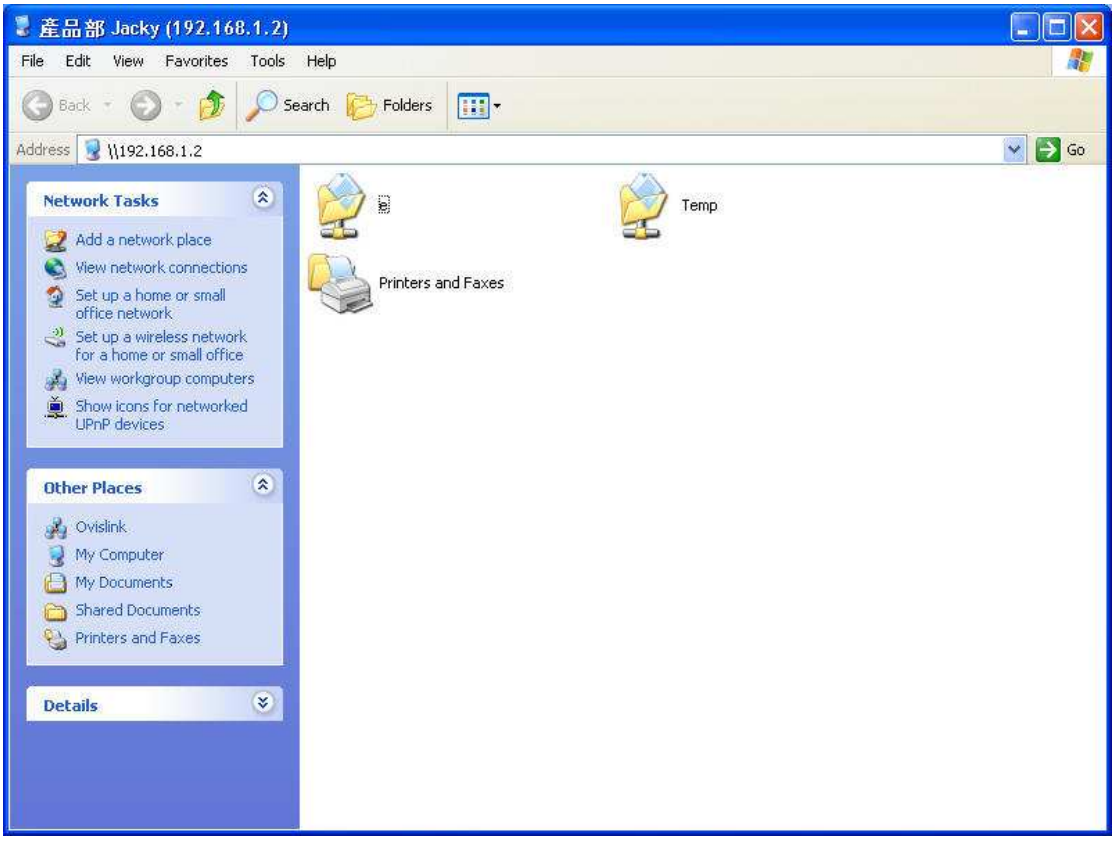

3. So, we know the IPSec connection is working well.

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