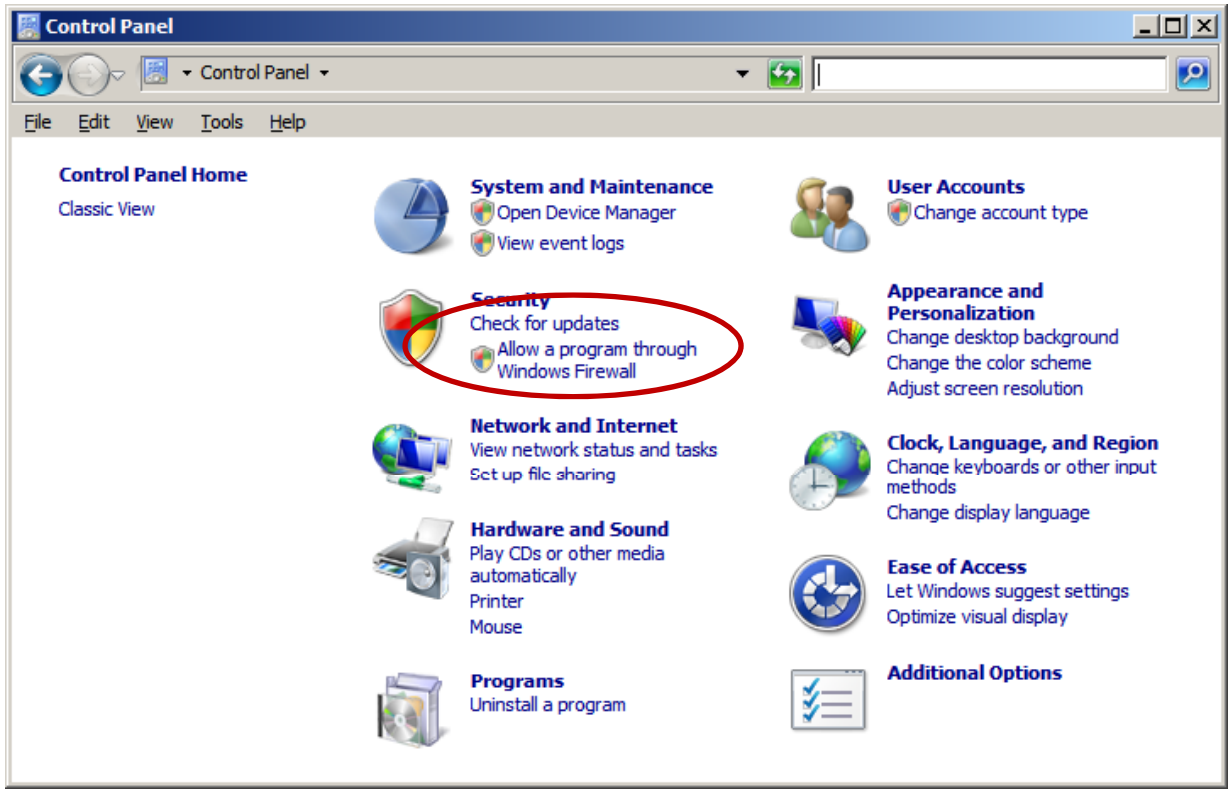
Open Ports for RRAS

June 6, 2012

Open Ports on the Firewall for the VPN

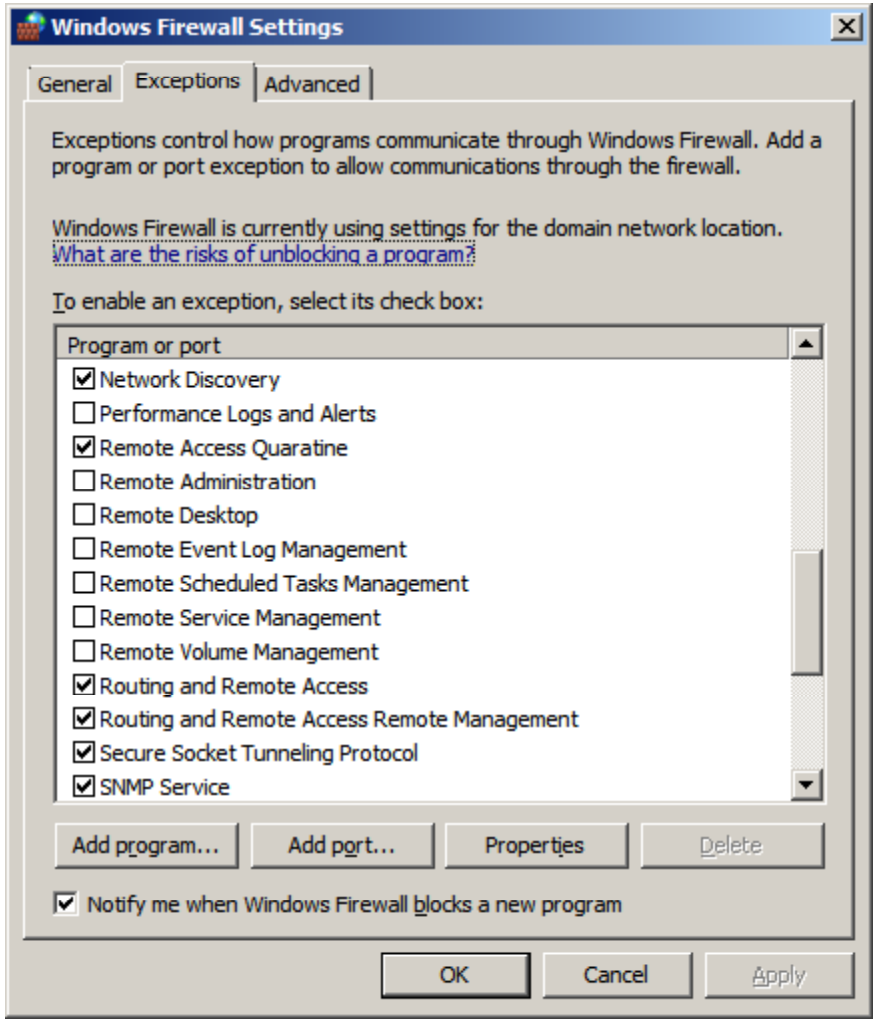
For our remote access to function, we need to open the ports on the firewall for the VPN connection. We open the Control Panel on the Windows 2008 server in the Control Panel Home View and we pick the Allow a program through Windows firewall hyperlink.



Windows Firewall Settings - Exceptions

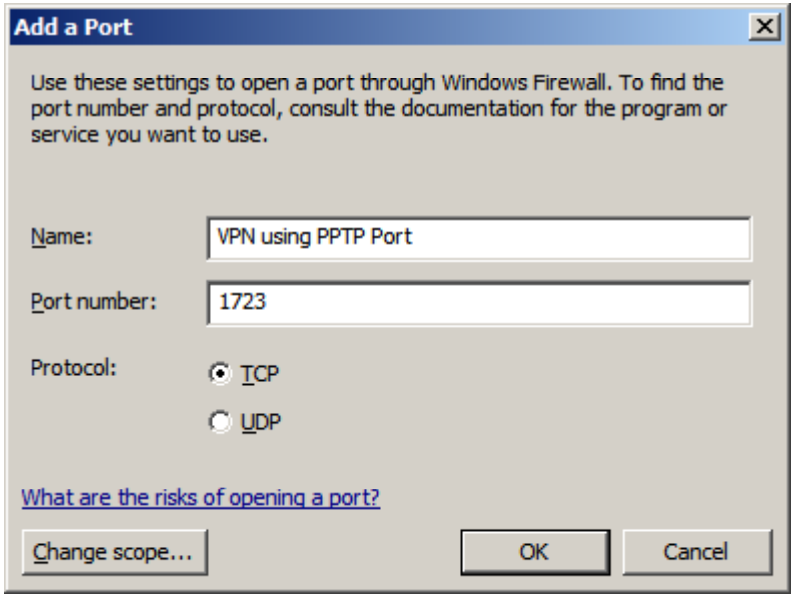
On the Exceptions tab of the Windows Firewall Settings dialog box, we can see programs or ports that are already checked. To add a new port opening, we select the Add Port command button. Only open ports that we require for the VPN connection, since this represents openings in our server firewall.

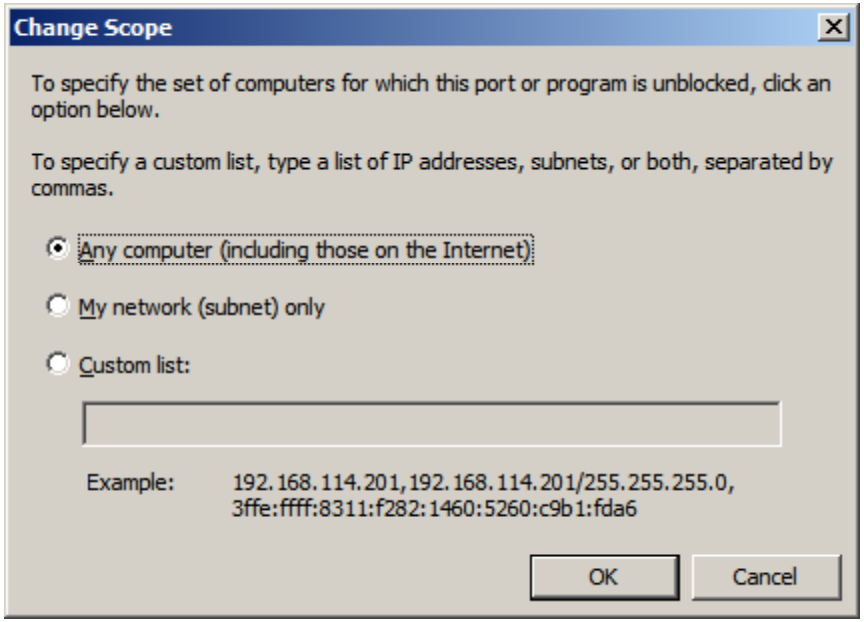
On the next several slides, we can see the port settings for the different types of VPN connections. Only open the ports for the connection type being used.



PPTP Port for VPN

On the Add a Port window, we type the name of the port opening and the port number. We have an option to select whether the protocol is TCP or UDP. We can locate any port openings on the exceptions list and make changes in the future. We set the PPTP port for 1723 TCP.

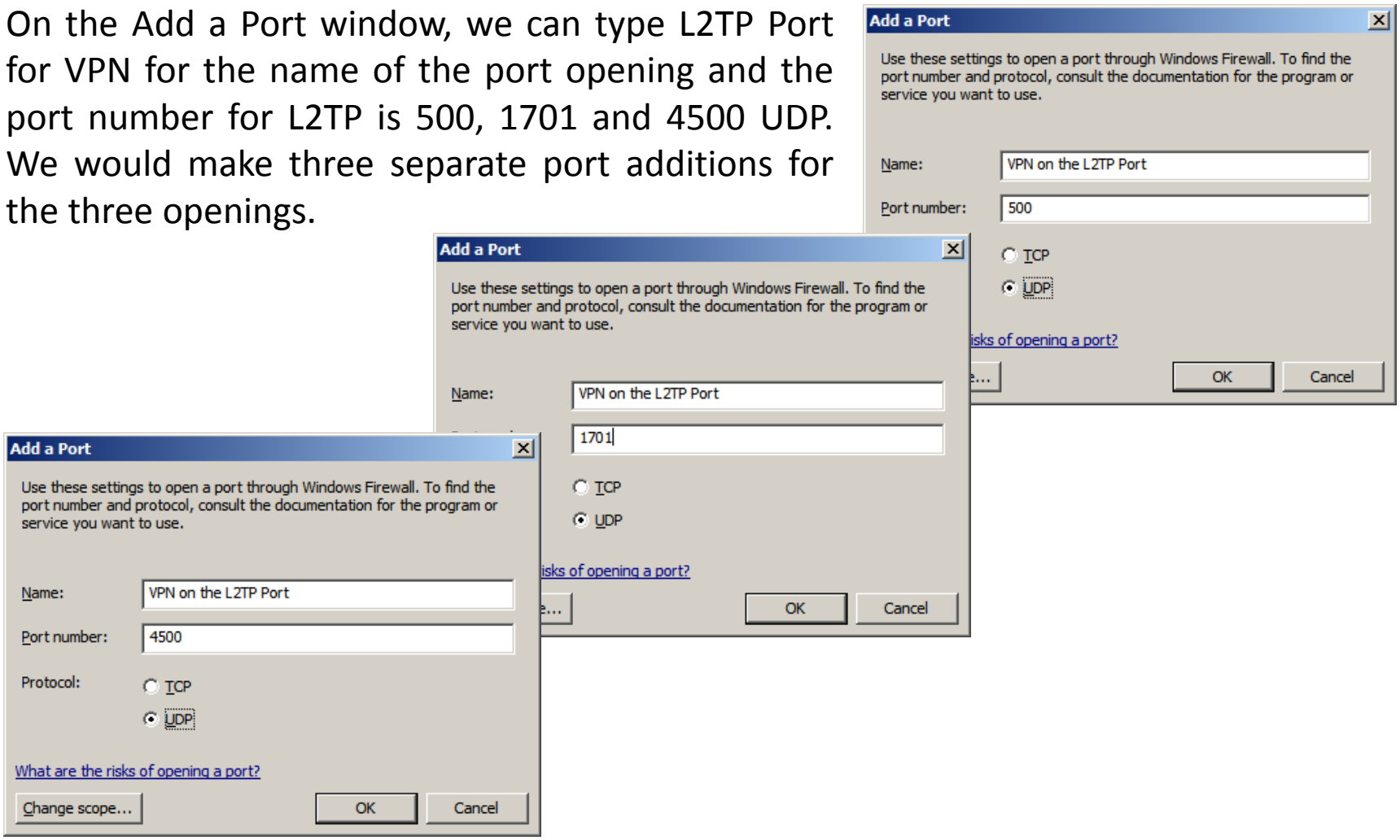




We can press the Change scope button and alter the application of the port opening to subnets and IP addresses. We will leave the setting for any computer. We press OK to exit windows.

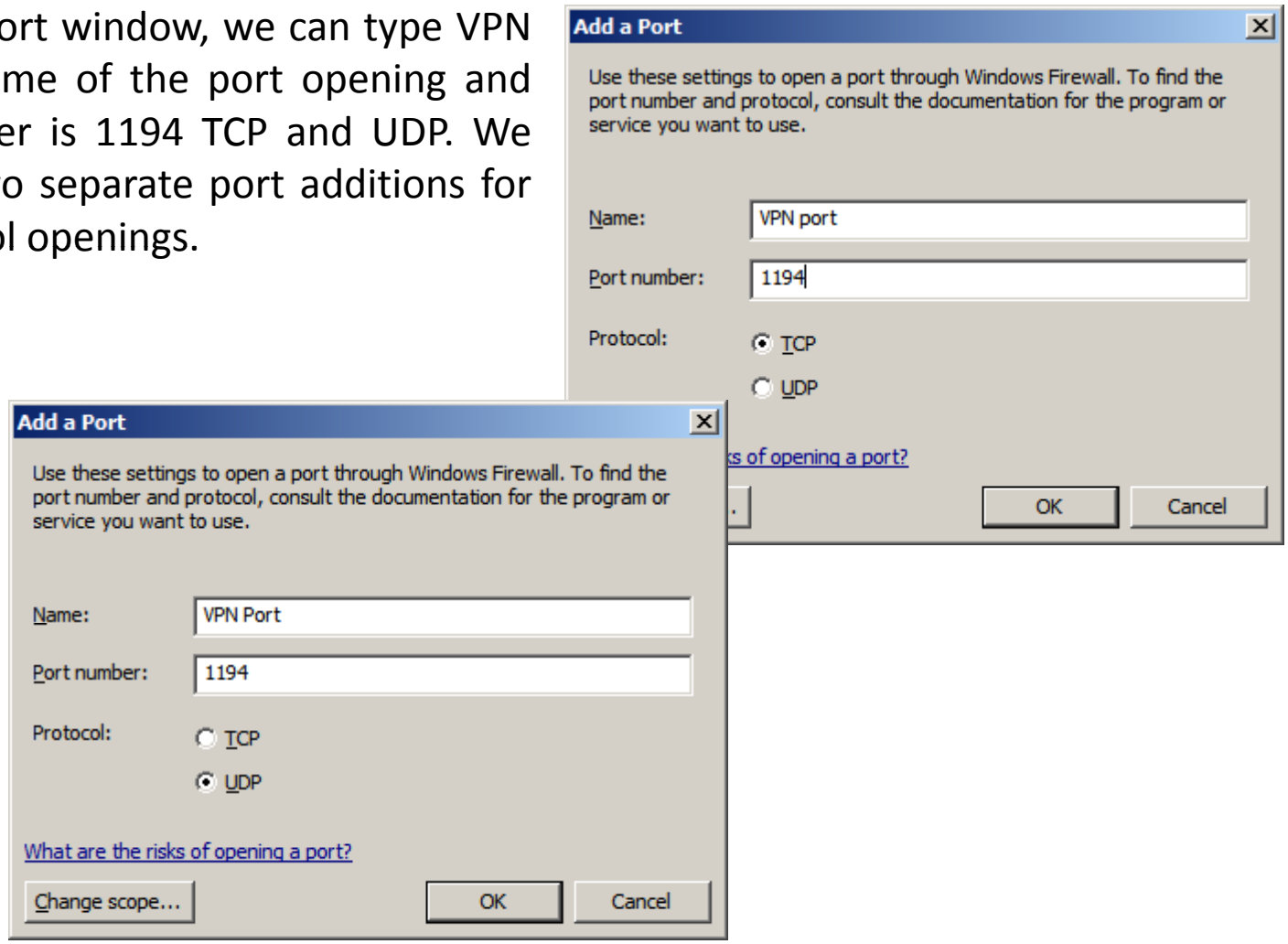
L2TP Port for VPN

On the Add a Port window, we can type L2TP Port for VPN for the name of the port opening and the port number for L2TP is 500, 1701 and 4500 UDP. We would make three separate port additions for the three openings.



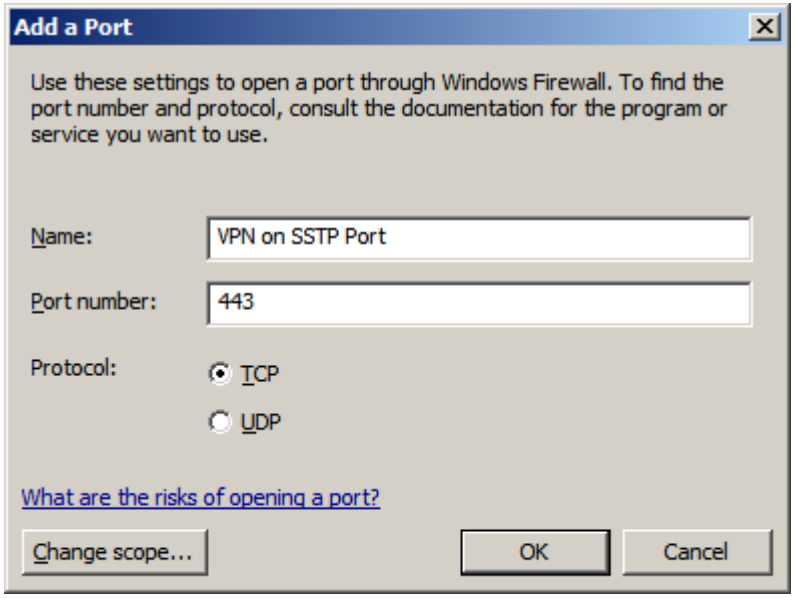
VPN Port

On the Add a Port window, we can type VPN Port for the name of the port opening and the port number is 1194 TCP and UDP. We would make two separate port additions for the two protocol openings.



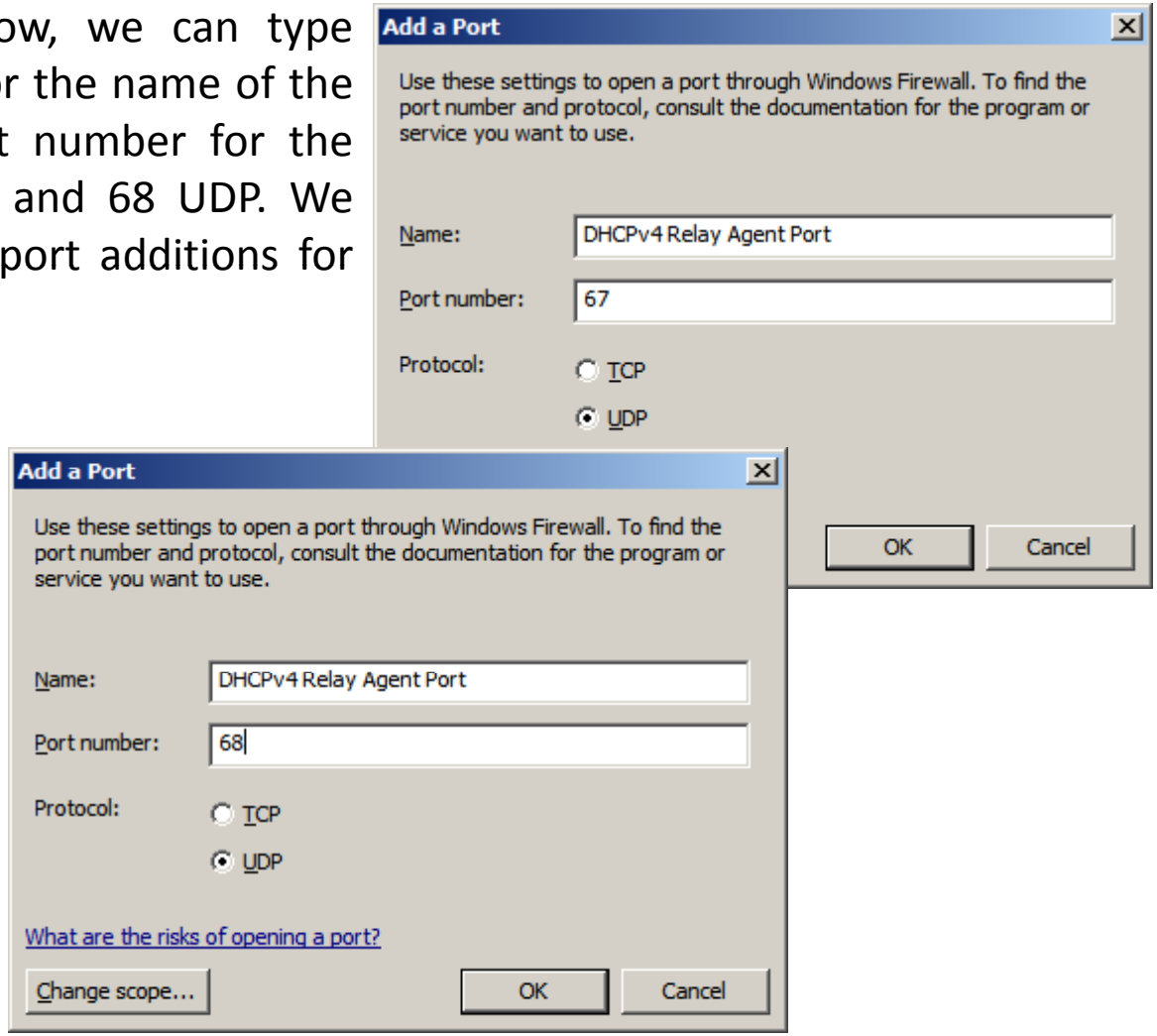
SSTP Port for VPN

On the Add a Port window, we can type SSTP Port for VPN for the name of the port opening and the port number for SSTP is 443 TCP.



DHCPv4 Relay Agent Port

On the Add a Port window, we can type DHCPv4 Relay Agent Port for the name of the port opening and the port number for the DHCPv4 Relay Agent is 67 and 68 UDP. We would make two separate port additions for the two openings.



DHCPv6 Relay Agent Port

On the Add a Port window, we can type DHCPv6 Relay Agent Port for the name of the port opening and the port number for the DHCPv6 Relay Agent is 547 UDP.