

**Ex. No : 10**

## **Study to configure Firewall, VPN**

### **AIM:**

To study and configure firewall and VPN.

### **PROCEDURE FOR CONFIGURING FIREWALL AND VPN:**

#### **Working with Windows Firewall in Windows 7**

##### **Firewall in Windows 7**

Windows 7 comes with two firewalls that work together. One is the Windows Firewall, and the other is Windows Firewall with Advanced Security (WFAS). The main difference between them is the complexity of the rules configuration. Windows Firewall uses simple rules that directly relate to a program or a service. The rules in WFAS can be configured based on protocols, ports, addresses and authentication. By default, both firewalls come with predefined set of rules that allow us to utilize network resources. This includes things like browsing the web, receiving e-mails, etc. Other standard firewall exceptions are File and Printer Sharing, Network Discovery, Performance Logs and Alerts, Remote Administration, Windows Remote Management, Remote Assistance, Remote Desktop, Windows Media Player, Windows Media Player Network Sharing Service.

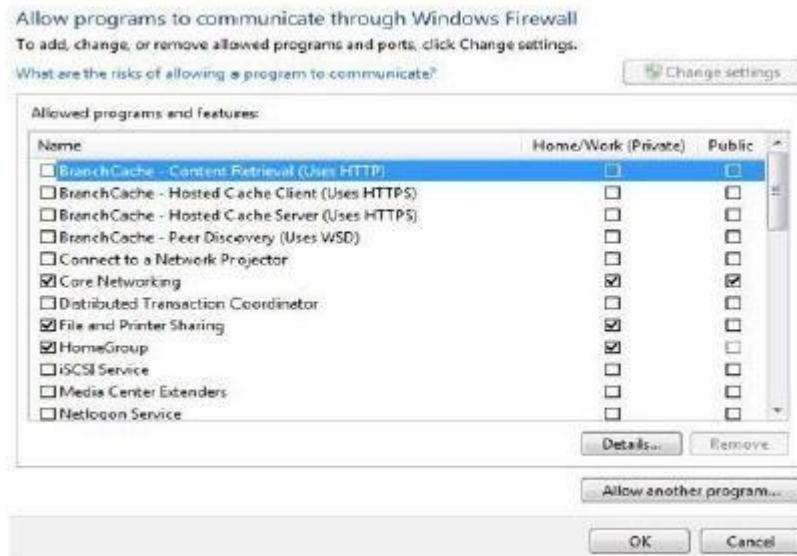
With firewall in Windows 7 we can configure inbound and outbound rules. By default, all outbound traffic is allowed, and inbound responses to that traffic are also allowed. Inbound traffic initiated from external sources is automatically blocked.

#### **Configuring Windows Firewall**

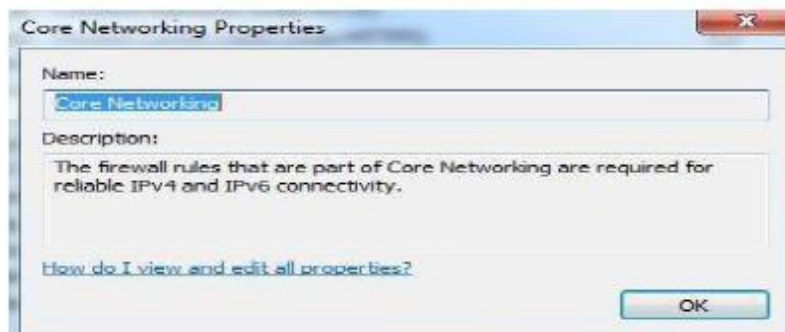
**To open Windows Firewall we can go to Start > Control Panel > Windows Firewall.**



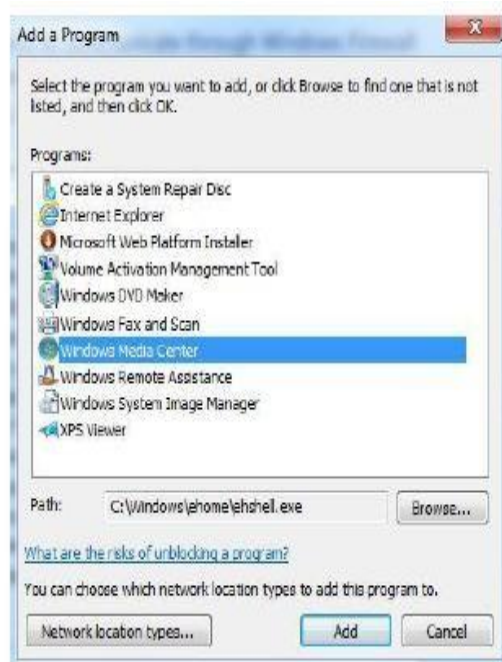
it is also configured to block all connections to programs that are not on the list of allowed programs. To configure exceptions we can go to the menu on the left and select "Allow a program or feature through Windows Firewall" option.



To change settings in this window we have to click the "Change settings" button. the Core Networking feature is allowed on both private and public networks, while the File and Printer Sharing is only allowed on private networks.



If we have a program on our computer that is not in this list, we can manually add it by clicking on the "Allow another program" button.

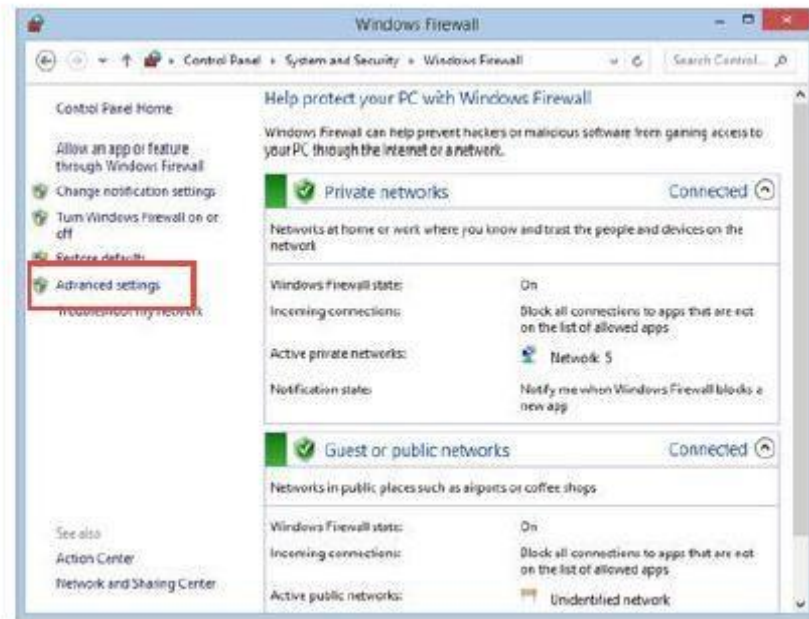


a Program

Program will be allowed to communicate by clicking on the "Network location types" button.



Windows Firewall can be turned off completely. To do that selects the "Turn Windows Firewall on or off" option from the menu on the left.



Windows Firewall is actually a Windows service. As you know, services can be stopped and started. If the Windows Firewall service is stopped, the Windows Firewall will not work.

## RESULT

Thus the firewall configuration and VPN installations are studied successfully.