Configuring IPv6 Firewalls with Windows XP SP2

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Windows XP Firewall configuration

- Windows XP ICF – same rules for IPv4 and IPv6
  - Show configuration:
    - `netsh firewall show config`
  - Set configuration
    - `set icmpsetting [ type = ] 2-5|8-9|11-13|17|ALL [ [ mode = ] ENABLE|DISABLE  [ profile = ] CURRENT|DOMAIN|STANDARD|ALL [ interface = ] name ]`
    - `set opmode [ mode = ] ENABLE|DISABLE [ [ exceptions = ] ENABLE|DISABLE [ profile = ] CURRENT|DOMAIN|STANDARD|ALL [ interface = ] name ]`
    - `add portopening [ protocol = ] TCP|UDP|ALL [ port = ] 1-65535 [ name = ] name  [ [ mode = ] ENABLE|DISABLE  [ scope = ] ALL| SUBNET|CUSTOM [ addresses = ] addresses [ profile = ] CURRENT| DOMAIN|STANDARD|ALL  [ interface = ] name ]`
    - `set logging [filelocation=<location>] [filesize=integer] [droppedpackets=enable|disable] [successfulconnections=enable| disable]`
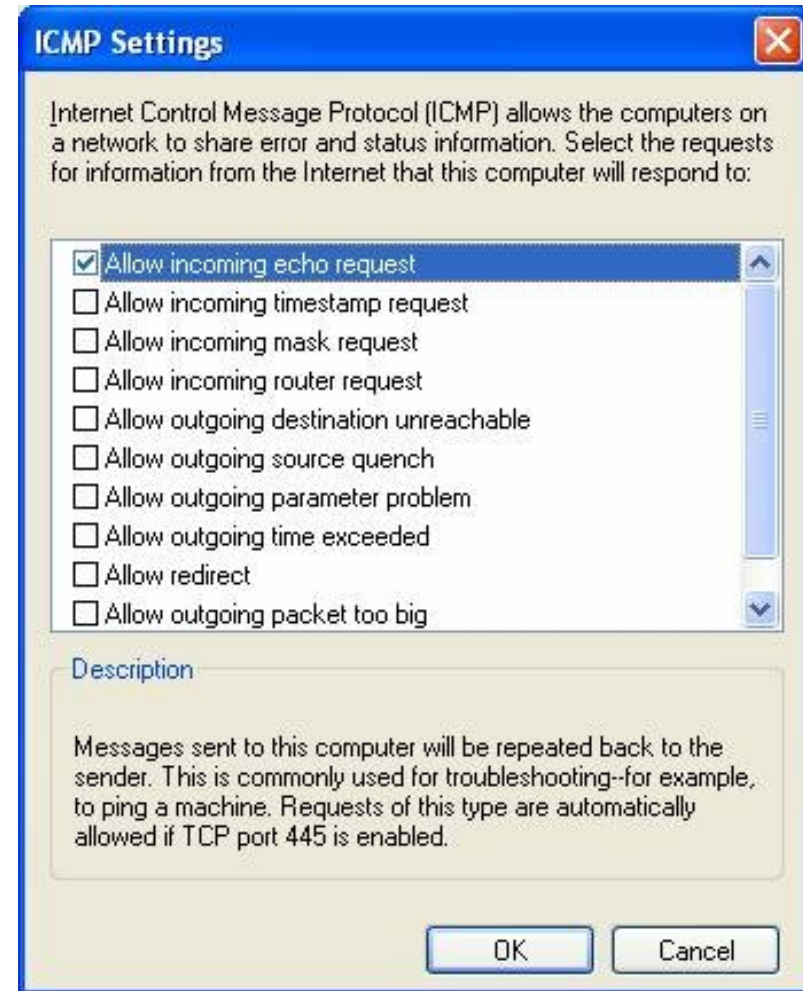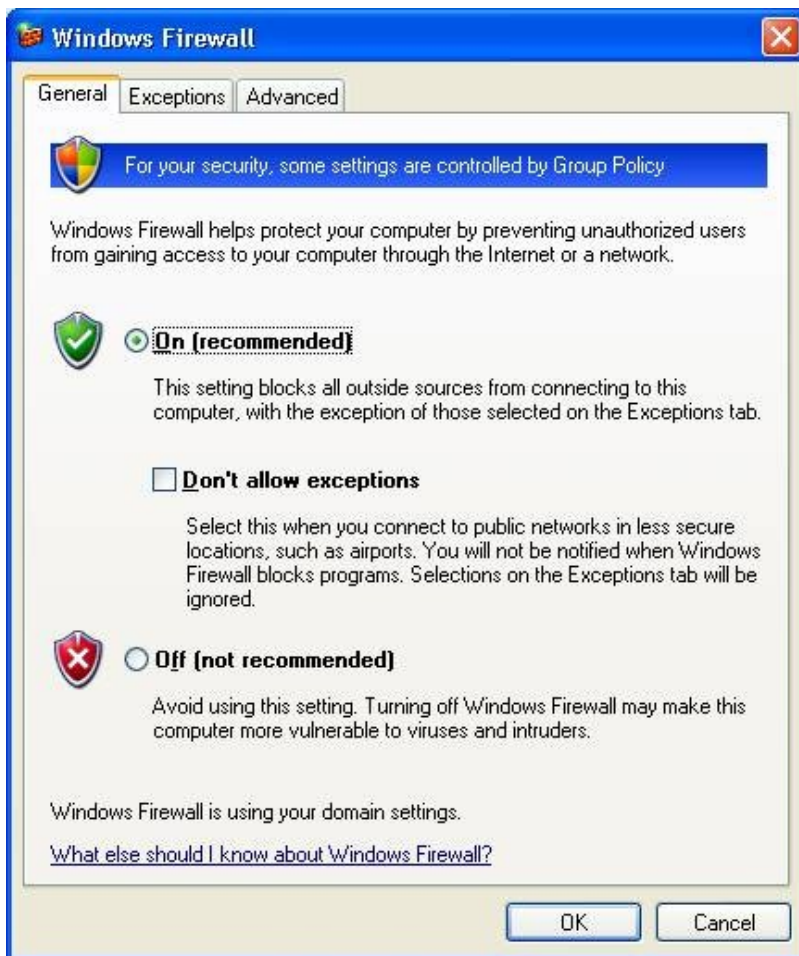
Windows XP Firewall configuration /2

- After SP2
  - in the firewall you can configure Path MTU discovery support
  - per process configuration possible
  - Can be deployed by group configuration

Windows SP2 ICF

Further information

- Further information: http://www.microsoft.com/technet/community/columns/cableguy/cg0204.mspx

Exercises

1. Test ping from neighbouring PC
2. Enable Firewall on Windows XP SP2
3. Test ping from the neighbouring PC
4. Enable ICMP echo + Path MTU discovery to work