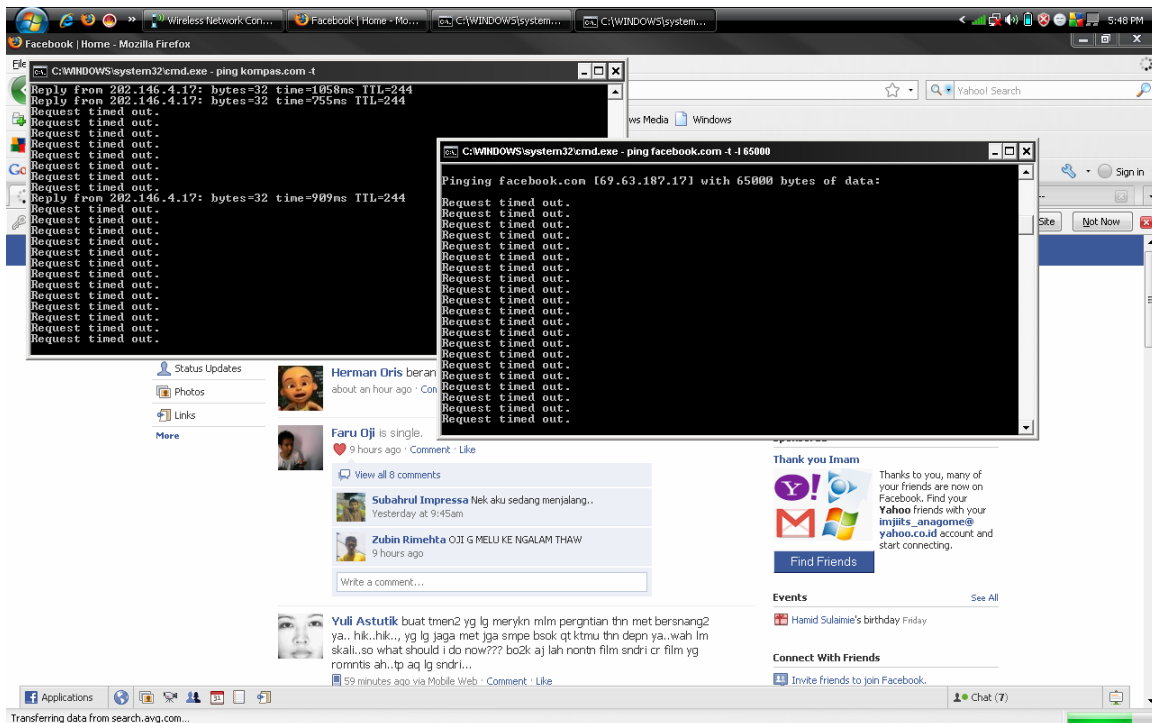
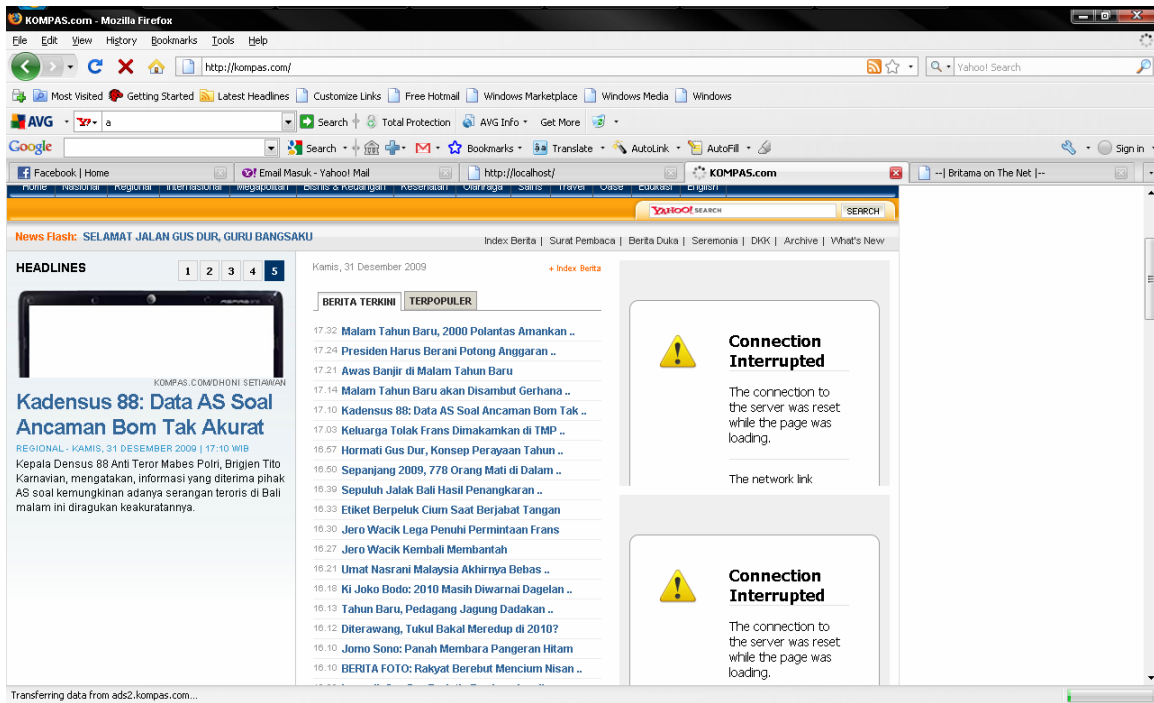


## PENANGGULANGAN PING OF DEATH DI WINDOWS UNTUK KEAMANAN KOMPUTER

- Buka situs terserah anda. Missal facebook.com dan kompas.com
- Lalu buka 2 command promp atao lebih.
- Ping alamat ke dua situs tersebut dengan parameter seperti
- Ping kompas.com -t -l 56000
- Ping facebook.com -t -l 65000
- Perhatikan hasil replay dari ping tadi.
- Lihat seperti contoh gambar dibawah ini



Sambil Proses ping di command prompt berjalan, refresh situs kompas.com dan facebook.com. maka akan terlihat seperti gambar dibawah ini. Request akan terhambat abhkan error.

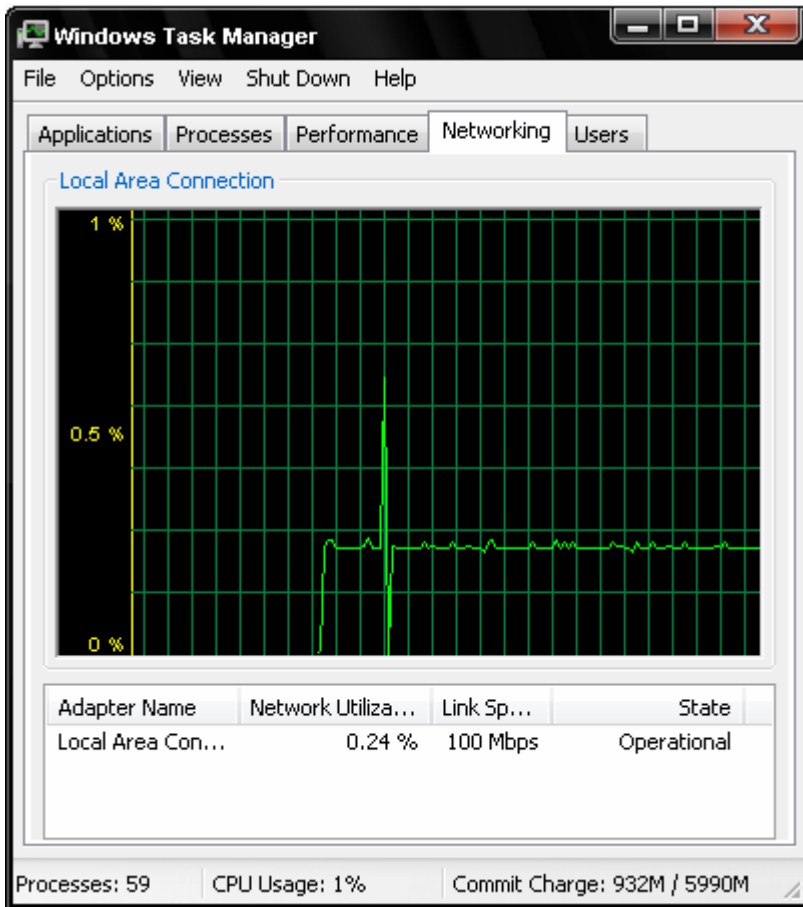


## PENGARUH PING OF DATE TERHADAP KINERJA LAN CARD DENGAN BEBERAPA COMMAND PROMPT

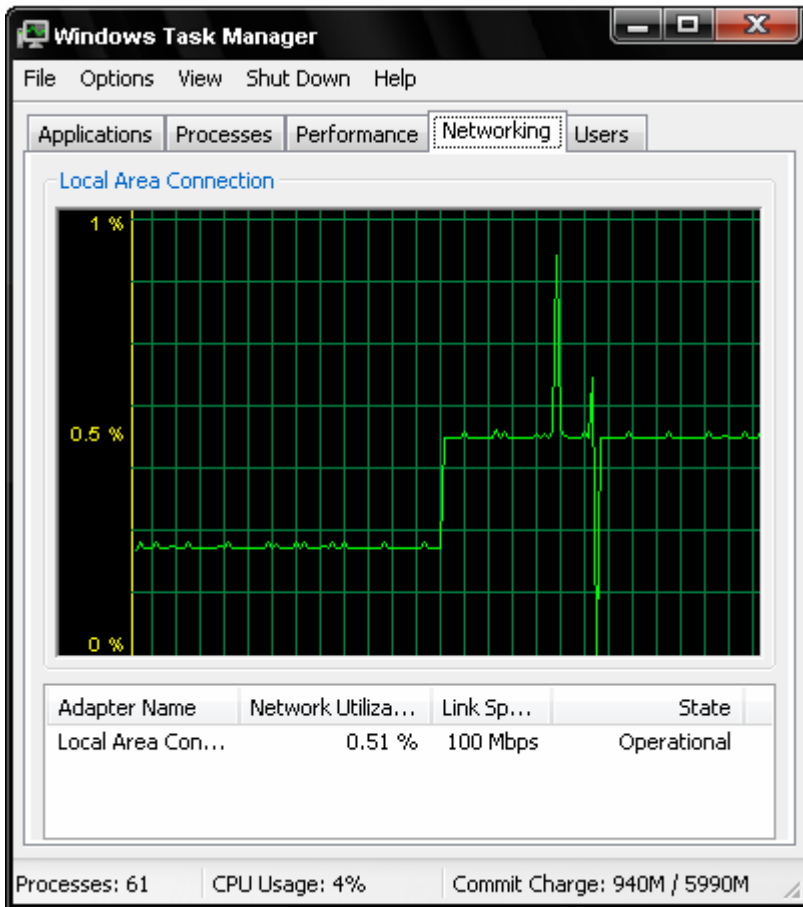
Dengan 1 cmd

contoh

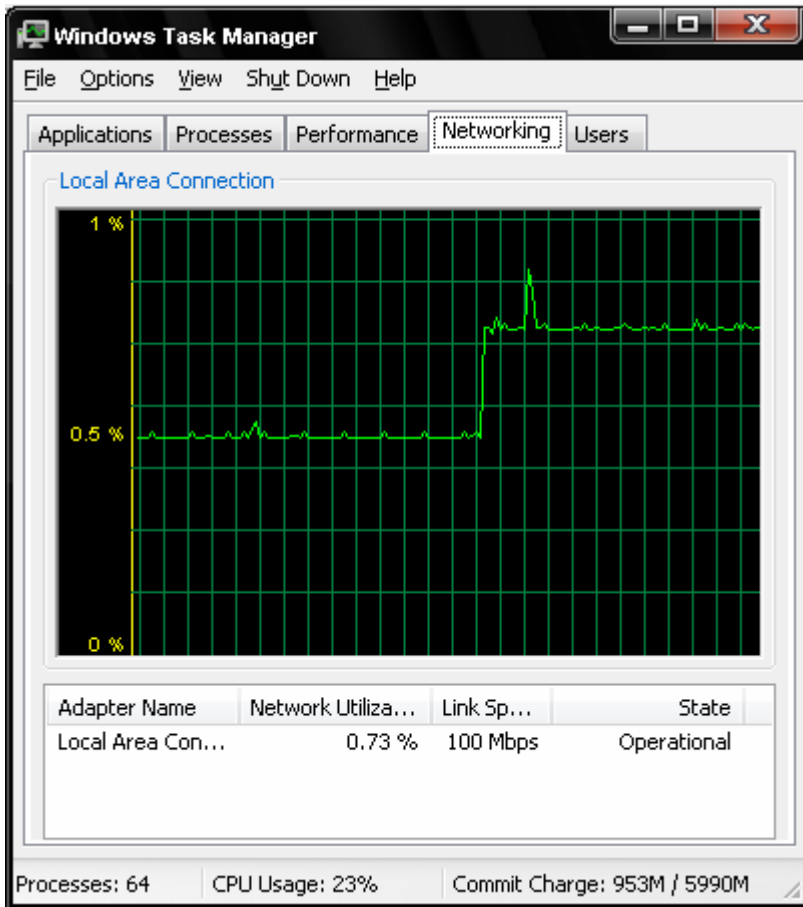
```
Ping 192.168.1.11 -t -l 15000
```



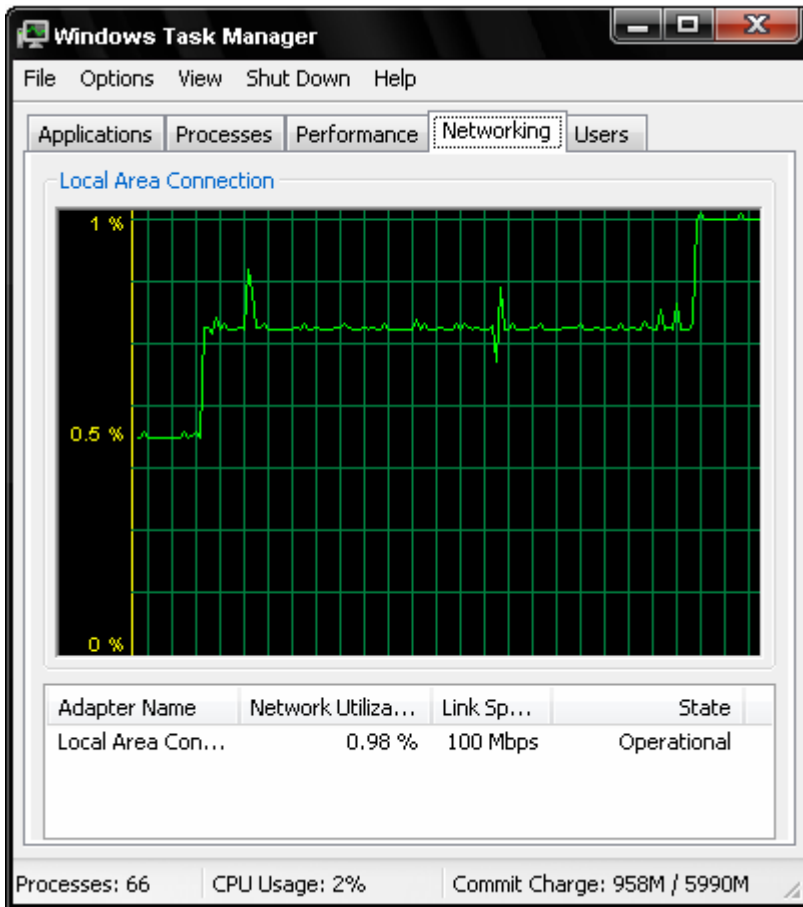
Dengan 2 cmd



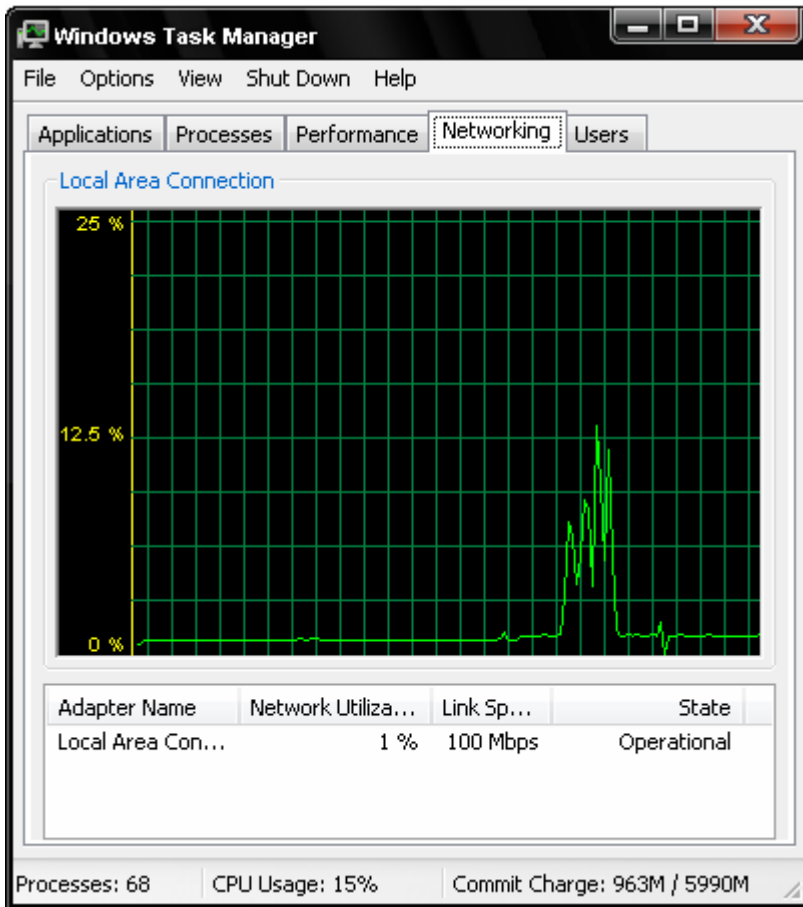
Dengan 3 cmd



Dengan 4 cmd



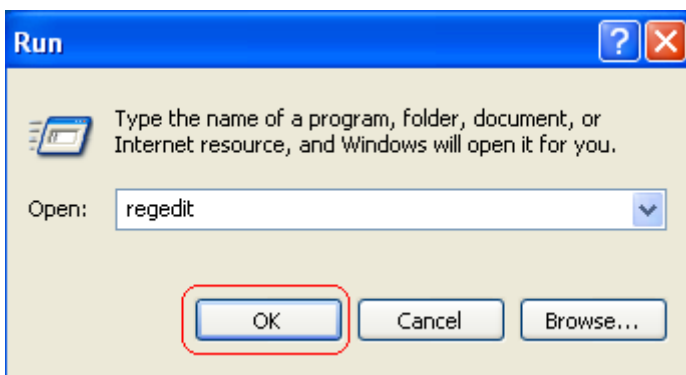
Dengan 5 cmd



## PENANGGULANAGAN DENGAN FIREWALL

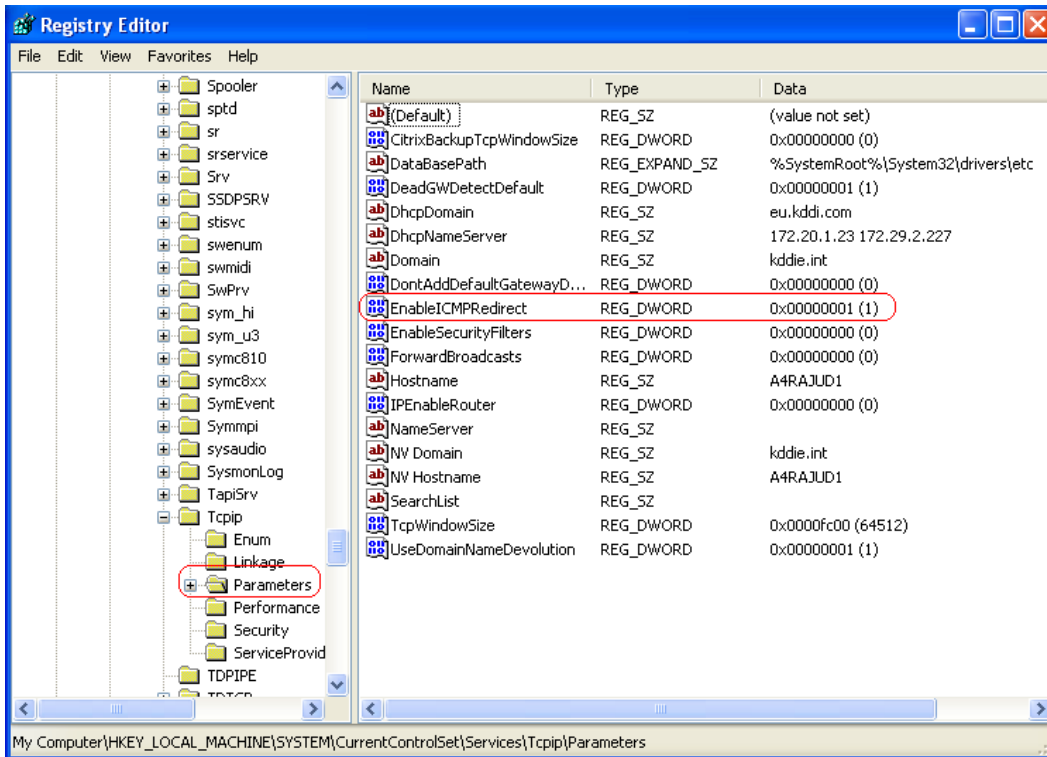
1. Lewat regedit.

Click Start>Run enter "regedit" and click on ok

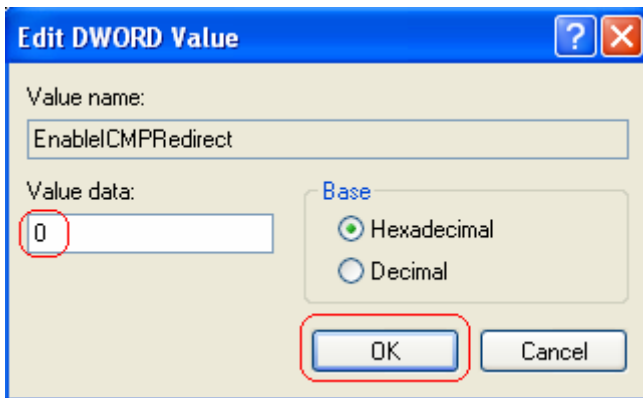


Akan tampil window registry. Silakan cari pada part berikut.

HKEY\_LOCAL\_MACHINE\System\Currentcontrolset\Services\Tcpip\Parameters



Dobel klik pada “EnableICMPRedirect” DWORD dan rubah nilai ‘1’ menjadi ‘0’ yang berarti ICMP di disable



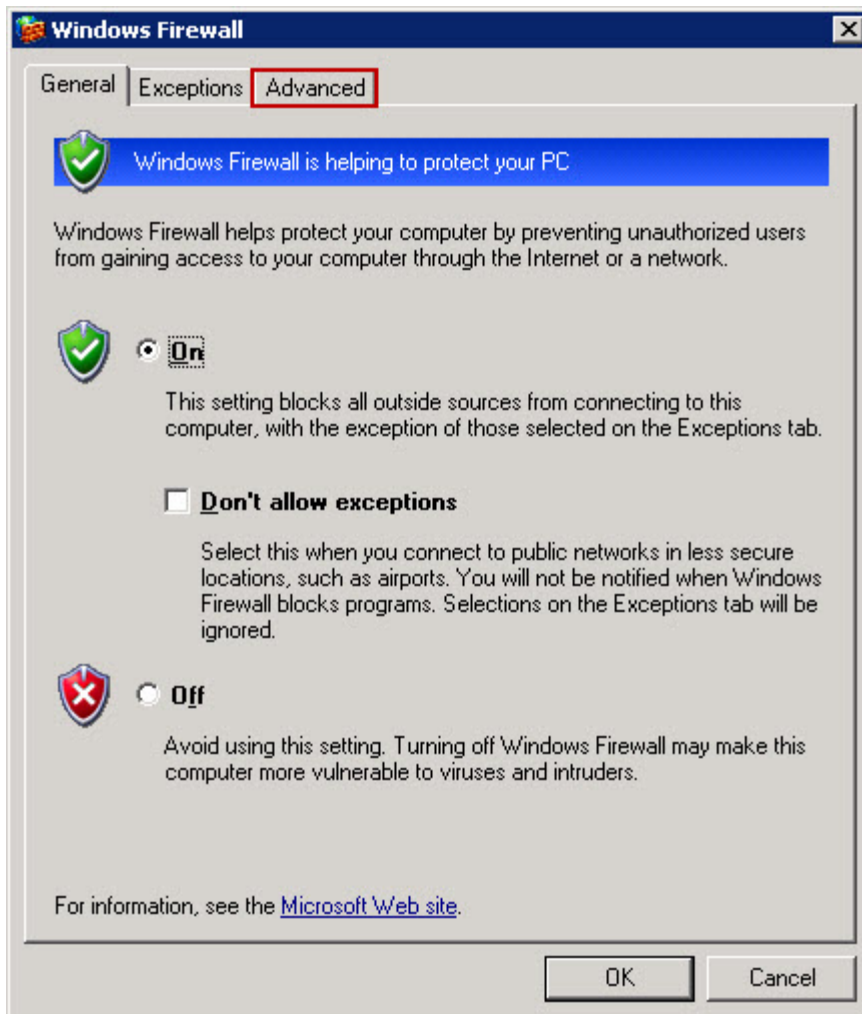
Klik OK untuk mengakhiri.

## 2. Lewat Windows Firewall

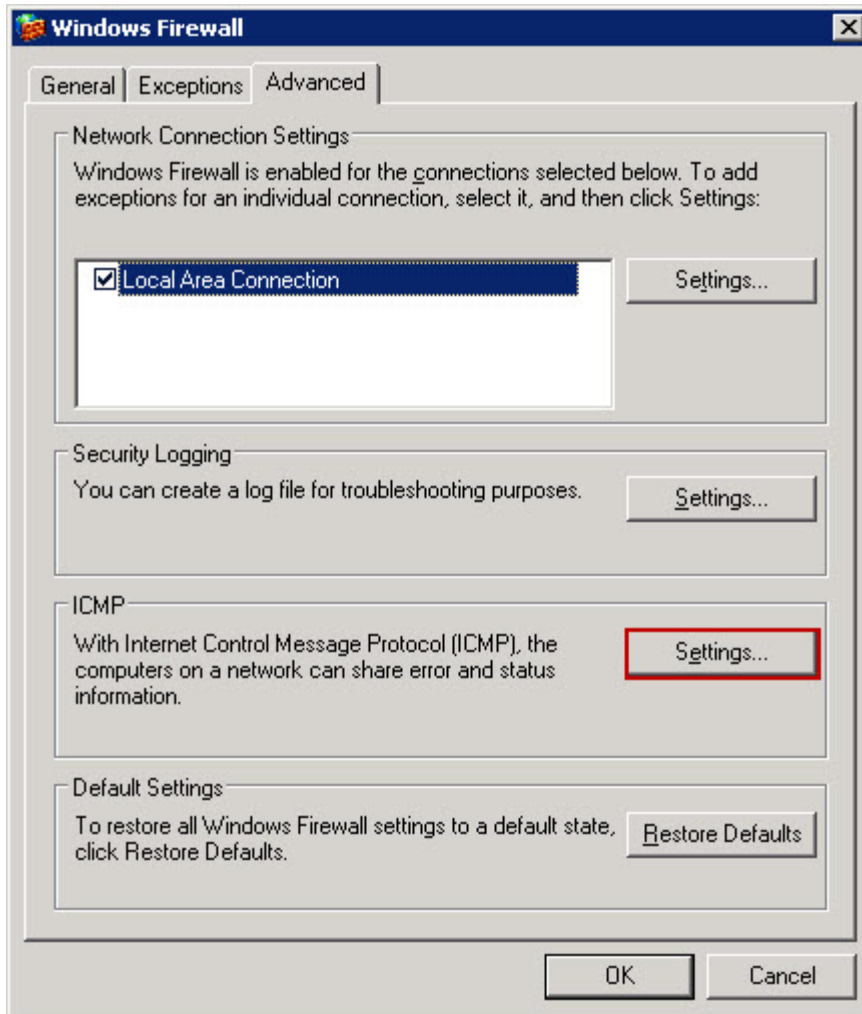
Pertama buka Windows Firewall settings dengan 'Start --> Control Panel --> Windows Firewall'.



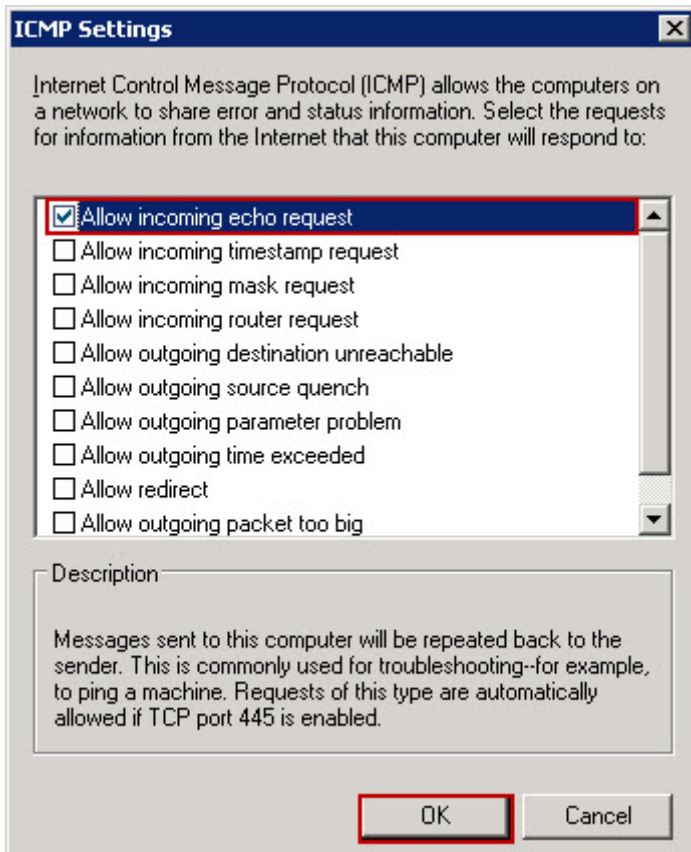
Jika sudah tampil seperti gambar berikut, klik tab Advance.



Klik tombol 'setting' pada area ICMP seperti gambar berikut.



Pada cek box '**Allow incoming echo request**'. Hilangkan tanda centang lalu tekan tombol OK..



**Jika setting di Unix tinggal masuk ke user root dan ketikkan command berikut;  
echo "1" > /proc/sys/net/ipv4/icmp\_echo\_ignore\_all**

**ATAU BISA MENGGUNAKAN FIREWALL TAMBAHAN UNTUK WINDOWS.**

Contoh dengan 'NetDefender' yang ringan.

Tambahkan Rule untuk icmp seperti gambar berikut.

Setelah selesai, klik OK dan start NetDefender Firewall

Ping ke komputer yang terinstall tadi. Maka hasilnya RTO(Request Time Out).

**NetDefender** File Tools Help

Start
 Stop
 Block All
 Allow All
 Block Ping
 App Info
 Port Scan
 About

**Below are the rules that are currently registered by Netdefender.**

SOURCE IP	DESTINATION IP	SOURCE PORT	DESTINATION PORT	PROTO

Add New Rules
 Edit Rule
 Remove Rule
 Re-Register Rules

For Help, press F1

**Add Rules**

**ADD YOUR NEW RULES TO THIS DIALOG BOX**

Apply this rule to

(IP Address Example, 192.168.0.122)

Source Address :  Destination Address:

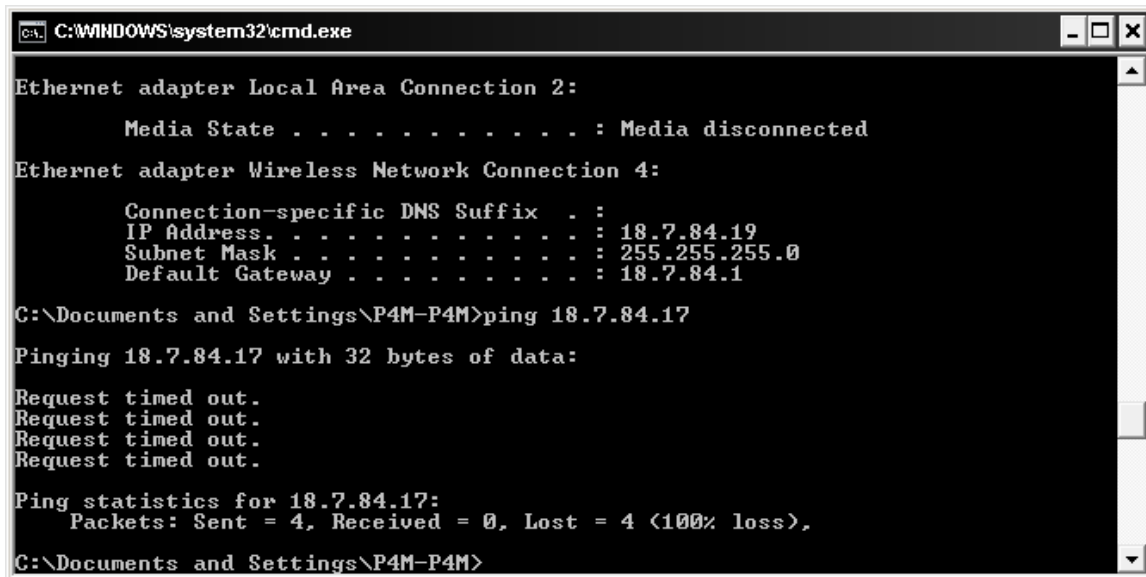
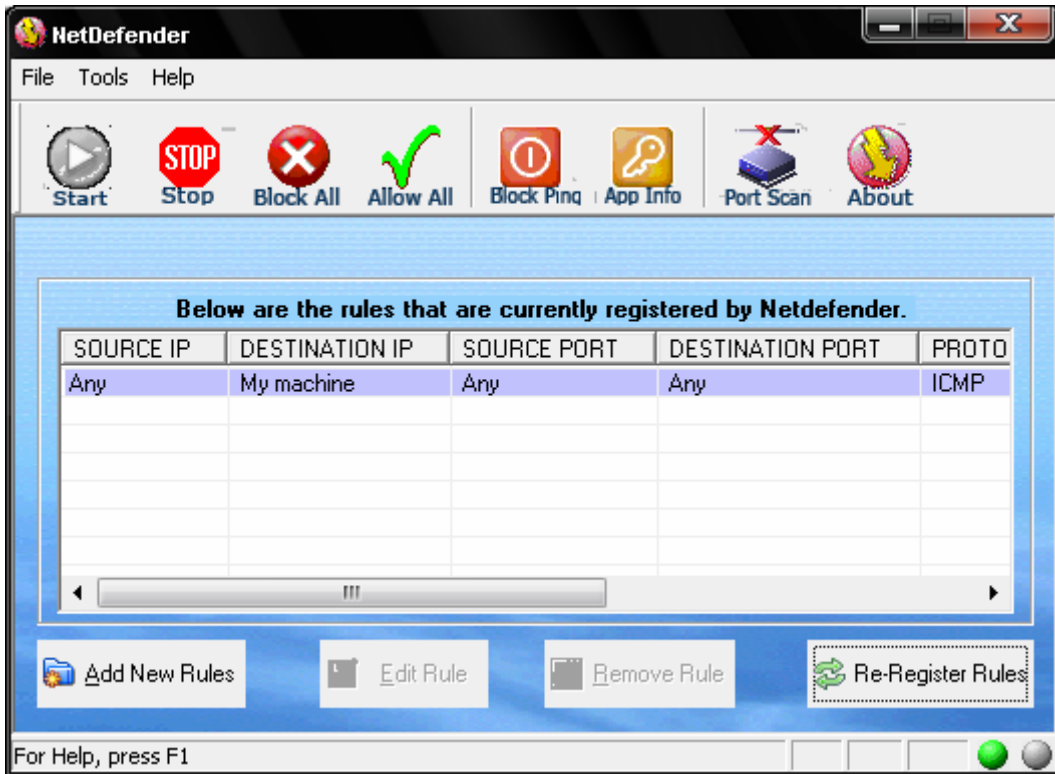
Enter Port No. (For exp : 80 , 1450)

Source Port :  Destination Port :

(Select the action to Allow or Block)

Action :  Protocol :

ADD & Save
 Cancel



**Matikan (Stop NetDefender).**  
**Ping ke komputer yang terinstall NetDefender. Maka di ping akan replay seperti gambar berikut;**

```
C:\WINDOWS\system32\cmd.exe
Pinging 18.7.84.17 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 18.7.84.17:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Documents and Settings\P4M-P4M>ping 18.7.84.17
Pinging 18.7.84.17 with 32 bytes of data:

Request timed out.
Reply from 18.7.84.17: bytes=32 time=64ms TTL=128
Reply from 18.7.84.17: bytes=32 time=1ms TTL=128
Reply from 18.7.84.17: bytes=32 time=12ms TTL=128

Ping statistics for 18.7.84.17:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 64ms, Average = 25ms

C:\Documents and Settings\P4M-P4M>
```