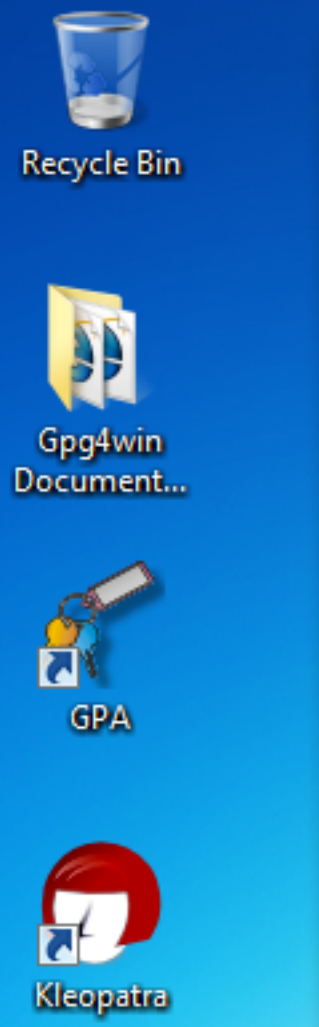


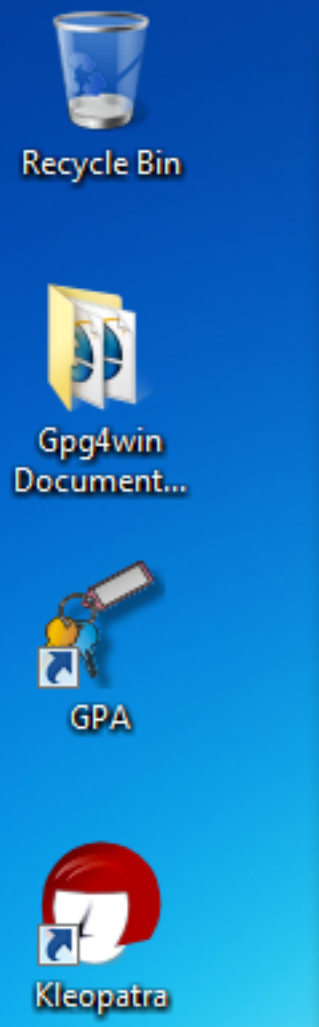
This pdf shows Windows 7 IPv4 ping, tracert, and pathping.



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Migler>cd Documents
```





```

C:\Windows\system32\cmd.exe - script1.bat

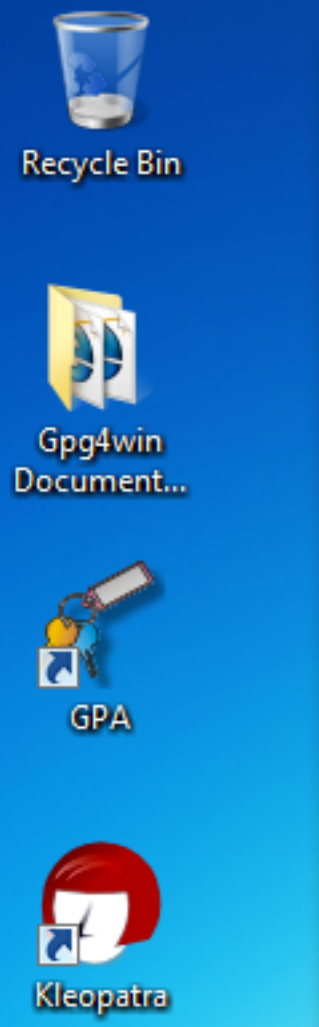
C:\Users\Migler\Documents>echo 'netsh interface ipv4 show address'
'netsh interface ipv4 show address'

C:\Users\Migler\Documents>netsh interface ipv4 show address

Configuration for interface "Local Area Connection 2"
  DHCP enabled:           Yes
  IP Address:             192.168.5.5
  Subnet Prefix:         192.168.5.0/24 (mask 255.255.255.0)
  Default Gateway:       192.168.5.1
  Gateway Metric:         0
  InterfaceMetric:       10

Configuration for interface "Loopback Pseudo-Interface 1"
  DHCP enabled:           No
  IP Address:             127.0.0.1
  Subnet Prefix:         127.0.0.0/8 (mask 255.0.0.0)
  InterfaceMetric:       50

```



```
C:\Windows\system32\cmd.exe - script1.bat

C:\Users\Migler\Documents>echo 'ping -4 brazil.minnesota.edu
'ping -4 brazil.minnesota.edu

C:\Users\Migler\Documents>ping -4 brazil.minnesota.edu

Pinging brazil.minnesota.edu [134.29.228.101] with 32 bytes of data:
Reply from 134.29.228.101: bytes=32 time=76ms TTL=110
Reply from 134.29.228.101: bytes=32 time=75ms TTL=110
Reply from 134.29.228.101: bytes=32 time=74ms TTL=110
Reply from 134.29.228.101: bytes=32 time=74ms TTL=110

Ping statistics for 134.29.228.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 74ms, Maximum = 76ms, Average = 74ms

C:\Users\Migler\Documents>pause
Press any key to continue . . .
```





Recycle Bin

Gpg4win
Document...

GPA



Kleopatra

C:\Windows\system32\cmd.exe - script1.bat

```
C:\Users\Migler\Documents>echo 'tracert -4 brazil.minnesota.edu'
'tracert -4 brazil.minnesota.edu'
```

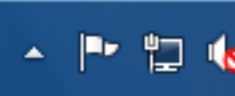
```
C:\Users\Migler\Documents>tracert -4 brazil.minnesota.edu
```

```
Tracing route to brazil.minnesota.edu [134.29.228.101]
over a maximum of 30 hops:
```

| | | | | |
|----|-------|-------|-------|--|
| 1 | <1 ms | <1 ms | <1 ms | 192.168.5.1 |
| 2 | 7 ms | 8 ms | 7 ms | 10.109.0.1 |
| 3 | 9 ms | 9 ms | 7 ms | 192.168.37.73 |
| 4 | 21 ms | 23 ms | 23 ms | 192.168.102.6 |
| 5 | 24 ms | 23 ms | 22 ms | xe-5-0-0.edge1.Chicago2.Level3.net [4.71.248.49] |
| 6 | 23 ms | 23 ms | 23 ms | vlan51.ebr1.Chicago2.Level3.net [4.69.138.158] |
| 7 | 47 ms | 52 ms | 53 ms | ae-3-3.ebr2.Denver1.Level3.net [4.69.132.61] |
| 8 | 61 ms | 60 ms | 60 ms | ae-4-4.car2.KansasCity1.Level3.net [4.69.135.23] |
| 9 | * | * | * | Request timed out. |
| 10 | 70 ms | 68 ms | 69 ms | amesia-gr-01-po-2.northernlights.gigapop.net [146.57.252.158] |
| 11 | 69 ms | 69 ms | 68 ms | mtc-gr-01-po-2.northernlights.gigapop.net [146.57.252.238] |
| 12 | 53 ms | 52 ms | 51 ms | statecob-gr-01-te-2-2-3001.northernlights.gigapop.net [146.57.252.226] |
| 13 | 70 ms | 69 ms | 71 ms | som-thor-te-3-3-3001.northernlights.gigapop.net [146.57.252.225] |
| 14 | 69 ms | 69 ms | 68 ms | cobn-scuhub-U20.r.state.mn.us [207.171.116.133] |
| 15 | 69 ms | 69 ms | 72 ms | cobn-hub-Te9-4-2007.r.state.mn.us [207.171.116.54] |
| 16 | 76 ms | 75 ms | 75 ms | brazil.minnesota.edu [134.29.228.101] |
| 17 | 75 ms | 74 ms | 75 ms | brazil.minnesota.edu [134.29.228.101] |

```
Trace complete.
```

```
C:\Users\Migler\Documents>pause
Press any key to continue . . . _
```

11:31 AM
3/23/2011

vmware



```

C:\Windows\system32\cmd.exe - script1.bat

C:\Users\Migler\Documents>echo 'pathping -4 brazil.minnesota.edu'
'pathping -4 brazil.minnesota.edu'

C:\Users\Migler\Documents>pathping -4 brazil.minnesota.edu

Tracing route to brazil.minnesota.edu [134.29.228.101]
over a maximum of 30 hops:
 0 Tim-PC [192.168.5.5]
 1 192.168.5.1
 2 10.109.0.1
 3 192.168.37.73
 4 192.168.102.6
 5 xe-5-0-0.edge1.Chicago2.Level3.net [4.71.248.49]
 6 vlan51.ebr1.Chicago2.Level3.net [4.69.138.158]
 7 ae-3-3.ebr2.Denver1.Level3.net [4.69.132.61]
 8 ae-4-4.car2.KansasCity1.Level3.net [4.69.135.237]
 9 * * *
Computing statistics for 200 seconds...
Hop  RTT      Source to Here   This Node/Link   Address
 0    ---      Lost/Sent = Pct  Lost/Sent = Pct  Tim-PC [192.168.5.5]
 1    0ms      0/ 100 = 0%      0/ 100 = 0%      192.168.5.1
 2    ---      100/ 100 =100%   100/ 100 =100%   10.109.0.1
 3    ---      100/ 100 =100%   100/ 100 =100%   192.168.37.73
 4    ---      100/ 100 =100%   100/ 100 =100%   192.168.102.6
 5    24ms     0/ 100 = 0%      0/ 100 = 0%      xe-5-0-0.edge1.Chicago2.Level3.net
[4.71.248.49]
 6    26ms     0/ 100 = 0%      0/ 100 = 0%      vlan51.ebr1.Chicago2.Level3.net [
.69.138.158]
 7    53ms     0/ 100 = 0%      0/ 100 = 0%      ae-3-3.ebr2.Denver1.Level3.net [4
69.132.61]
 8    80ms     0/ 100 = 0%      0/ 100 = 0%      ae-4-4.car2.KansasCity1.Level3.net
[4.69.135.237]
Trace complete.

C:\Users\Migler\Documents>pause
Press any key to continue . . .
    
```