

. Internet Protocol Routeur Multihost (français)

Ce logiciel permet de centraliser le routage d'une ou plusieurs connexions TCP/IP entre des machines hosts et applications client/serveur.

Il offre par ailleurs les avantages pratiques suivants:

- 1) contourner les restrictions liées aux numéros de ports TCP/IP via les règles de pare-feux par exemple.
- 2) mesurer facilement les débits et bandes passantes utilisés dans les connexions routées.
- 3) fournir un code source de base pouvant être enrichi pour l'étude ou le décryptage d'un protocole applicatif ou d'une API socket donné.

Les différentes syntaxes et commandes sont accessibles via les menus suivants dans une fenêtre de console (de type DOS):

Hit:

- '?' to show syntax
- 'a' to add a new routing connection
- 'k' to delete unused routing connection(s)
- 'b' to break a routing connection
- 'c' to display active routed connection(s)
- 'o,O' to display KBytes(o) or Bytes(O)
- 'p' to display all routing connection(s)
- 's' to show global stats
- 'r' to reset global stats
- 'w' to create a watchdog VBScript which restarts the tool when it stops running
- 'n,N' to enable(n) or disable(N) non-blocking mode
- 'l,L' to enable(l) or disable(L) logging bandwidth
- 'v' to view log file (IPRouter_BandWidth.log)
- 'x,X' to activate(x) or deactivate(X) 64Kb or more socket buffer size setting
- '>,<' to log upstream(>) or to log downstream(<)
- 'd,D' to enable(D) or disable(d) auto refresh active routed connection(s) for each second
- 'e' to exit

D'autres options en ligne de commande peuvent être également utilisées:

- 1) IPRouter.exe <remote_host in DNS or IP string form> <listening_port> <target_host_port> [threadpool_size] [/cpu:CoreAffinity] [Comment]
 - . threadpool_size : from 1 to 64 (8 is default value)
 - . /cpu: is a global option and CoreAffinity can be "0,1,2,3,...31" (e.g /cpu:1,3 for Core2 and Core4), sockets buffer size in Kb can be additionally appended (e.g /cpu:1,3:64Kb)
 - . Comment is a double-quoted string. For example: " DMZ 51! "
- 2) IPRouter.exe /hostfile:<filename> (each line can be commented with ';' or '#' as first letter)

. Multihost Internet Protocol Router (english)

This software's purpose aims to centralize one or more TCP/IP connections between hosts machines and client/server applications.

It basically offers following and comfortable advantages:

- 1) to bypass firewalls related restrictions onto TCP/IP port numbers for example.
- 2) to easily measure data flow and bandwidth involved into routed connections.
- 3) to provide base code source which can be extended for studying or demistifying custom or socket API protocols.

Different syntaxes and commands can be used with following menu items from within a console window (DOS style):

Hit:

- '?' to show syntax
- 'a' to add a new routing connection
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- 'b' to break a routing connection
- 'c' to display active routed connection(s)
- 'o,O' to display KBytes(o) or Bytes(O)
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- '>,<' to log upstream(>) or to log downstream(<)
- 'd,D' to enable(D) or disable(d) auto refresh active routed connection(s) for each second
- 'e' to exit

Other command line options can be used as well:

- 1) IPRouter.exe <remote_host in DNS or IP string form> <listening_port> <target_host_port> [threadpool_size] [/cpu:CoreAffinity] [Comment]
 - . threadpool_size : from 1 to 64 (8 is default value)
 - . /cpu: is a global option and CoreAffinity can be "0,1,2,3,...31" (e.g /cpu:1,3 for Core2 and Core4), sockets buffer size in Kb can be additionally appended (e.g /cpu:1,3:64Kb)
 - . Comment is a double-quoted string. For example: " DMZ 51! "
- 2) IPRouter.exe /hostfile:<filename> (each line can be commented with ';' or '#' as first letter)