ktinactrl

https://campus.barracuda.com/doc/53248764/

Use the *ktinactrl* command to manage and configure VPN (TINA) tunnel traffic.

Options

You can use the following options with the *ktinactrl* command:

start

Loads the ktina module.

stop

Stops the ktina module. Also shuts down tunnels and personal networks.

tunnel

Opens the directory for tunnel operations. You can use the following commands with *ktinactrl tunnel*:

Command	Description
show	Displays the tunnel details for all VPN tunnels that are configured on the Barracuda NextGen Firewall F-Series.
new <tunnel-name>	Creates a new VPN tunnel with the specified name.
delete tunnel-name >	Deletes the specified VPN tunnel.
flush	Terminates all tunnels and flushes the cache.

transport

Command	Description
show	Displays the orphaned transport count.
new <transport-name>	Creates a new transport with the specified name.
status value	Displays all status value settings for the tunnel transport.
rate <INDEX>	Displays the transport rate according to the VPN Interface Index.

setrate NAME ID policy(0,1,2) guess(KBs) min(KBs) top(%) bot(%)	Specifies the transport rate for the VPN tunnel.
windowsize	Specifies the window size.
hcset	Displays all status value settings for the tunnel compression. Use this command to e nable or disable high compression and specify compression settings.
hcparam	Sets the parameters for high compression if enabled.
[hbidle hbtrys hbtimeout] NAME ID VALUE	Displays heartbeat idle, tries, and timeout of the specified VPN transport.
shaping NAME ID VALUE	Displays all shaping settings for the tunnel transport.

spi

Command	Description
show	Displays the orphaned SPI count.
new NAME	Renews the SPI count for a specified tunnel.

route

Command	Description
show	Displays all routing entries created by the VPN service.
new <tunnel-name>	Refreshes the routing table for the specified tunnel.
show l wc -l	Checks the maximum number of possible routing entries. By default, the maximum number of entries for one routing table is 10,000.

lookup

Command	Description
in <address> <spi-num>	Performs a routing lookup and shows inbound traffic details.
out <source-address> <destination-address>	Displays outbound traffic details.

meth

Command	Description
show	Displays all available encryption methods (cipher, esp, hash, compress).
hash <meth_name> <input filename>	Allows setting the hashing algorithm using SHA-256 and SHA- 512.
crypt <meth_name> <input filename> [output filename]	Specifies the settings for file encryption.

esp <meth_name> <input filename> [output filename]	Specifies the settings for esp encryption.
decrypt <meth_name> <input filename> [output filename]	Decrypts the specified file.
hash <meth_name> <filename>	Specifies the settings for hash encryption.
comp <meth_name> <filename> [stream]	Compresses a specified file.
perf [junk=<size>] all|<meth_name>	Calculates the possible VPN throughput for each cipher set depending on the hardware.

udp

Command	Description
get	Displays the configured UDP ports.
set address:port[,address2:port2[,addressn:portn ....]]	Specifies the settings for UDP.

cache

Command	Description
get	Displays information about the cache.
set address:port[,address2:port2[,addressn:portn ....]]	Specifies cache control settings.

personal

Command	Description
show	Displays personal networks if configured.
add NET [NET ...]	Adds the specified personal networks.
del NET [NET ...]	Deletes the specified personal networks.
used	Displays personal network addresses that have been used.
last	Displays the last address that was used.
flush	Flushes the cache.

reserved

Command	Description
show	Displays all reserved address and networks.
add NET [NET ...]	Adds the specified reserved addresses.
set NET [NET ...]	Sets the specified addresses as reserved.
del NET [NET ...]	Deletes the specified network addresses.
flush	Flushes the cache.

boxrate

Command	Description
get	Gets the box rate limit.
set maxlimit(in bytes)	Sets the box rate limit.

mils

Command	Description
[show]	Allows to use mils specific operations.
show	Shows mils specific operations.

cipher

Command	Description
show	Shows external cipher operations.
load <filename> <ciphername>	Loads external operations for selected files and ciphers.
unload <ciphername>	Unloads external operations for selected ciphers.
flush	Flushes the cache.

stream

Command	Description
get	Gets stream compression limits.
set maxlimit(in bytes) udplimit(in percent of maxlimit)	Sets stream compression limits.

cyclemeth

Command	Description
show	Displays transport packet cycle methods.
pkt (set to per packet cycling)	Specifies the settings for the packet archiver.
size SIZE (set to SIZE threshold cycling)	Sets the size for threshold cycling.

wanopt

Command	Description
rules	Shows wanopt rules.
stats	Shows wanopt stats.

tune

Command	Description
deferred get	Displays all tunnel parameter settings.
deferred set 0/1	Specifies tuning parameters settings.

rdev

Command	Description
showt	Displays the routed devices that have been configured.