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usage: hping3 host [options]
  -h   --help          show this help
  -v   --version     show version
  -c   --count        packet count
  -i   --interval    wait (uX for X microseconds, for example -i u1000)
       --fast          alias for -i u10000 (10 packets for second)
       --faster        alias for -i u1000 (100 packets for second)
       --flood         sent packets as fast as possible. Don't show replies.
  -n   --numeric      numeric output
  -q   --quiet        quiet
  -I   --interface interface name (otherwise default routing interface)
  -V   --verbose      verbose mode
  -D   --debug         debugging info
  -z   --bind         bind ctrl+z to ttl               (default to dst port)
  -Z   --unbind        unbind ctrl+z
       --beep           beep for every matching packet received
Mode
  default mode        TCP
  -0   --rawip         RAW IP mode
  -1   --icmp          ICMP mode
  -2   --udp           UDP mode
  -8   --scan          SCAN mode.
                        Example: hping --scan 1-30,70-90 -S www.target.host
  -9   --listen        listen mode
IP
  -a   --spoof          spoof source address
       --rand-dest       random destionation address mode. see the man.
       --rand-source     random source address mode. see the man.
  -t   --ttl            ttl (default 64)
  -N   --id              id (default random)
  -W   --winid           use win* id byte ordering
  -r   --rel             relativize id field               (to estimate host traffic)
  -f   --frag            split packets in more frag.    (may pass weak acl)
  -x   --morefrag      set more fragments flag
  -y   --dontfrag       set don't fragment flag
  -g   --fragoff        set the fragment offset
  -m   --mtu              set virtual mtu, implies --frag if packet size > mtu
  -o   --tos              type of service (default 0x00), try --tos help
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  -G   --rroute        includes RECORD_ROUTE option and display the route buffer
  --lsrr               loose source routing and record route
  --ssrr               strict source routing and record route
  -H   --ipproto       set the IP protocol field, only in RAW IP mode
ICMP
  -C   --icmptype      icmp type (default echo request)
  -K   --icmpcode      icmp code (default 0)
       --force-icmp send all icmp types (default send only supported types)
       --icmp-gw       set gateway address for ICMP redirect (default 0.0.0.0)
       --icmp-ts     Alias for --icmp --icmptype 13 (ICMP timestamp)
       --icmp-addr   Alias for --icmp --icmptype 17 (ICMP address subnet mask)
       --icmp-help   display help for others icmp options
UDP/TCP
  -s   --baseport      base source port                    (default random)
  -p   --destport      [+][+]<port> destination port(default 0) ctrl+z inc/dec
  -k   --keep          keep still source port
  -w   --win           winsize (default 64)
  -O   --tcpoff        set fake tcp data offset        (instead of tcphdrlen / 4)
  -Q   --seqnum        shows only tcp sequence number
  -b   --badcksum      (try to) send packets with a bad IP checksum
                         many systems will fix the IP checksum sending the packet
                         so you'll get bad UDP/TCP checksum instead.
  -M   --setseq        set TCP sequence number
  -L   --setack        set TCP ack
  -F   --fin           set FIN flag
  -S   --syn           set SYN flag
  -R   --rst           set RST flag
  -P   --push          set PUSH flag
  -A   --ack           set ACK flag
  -U   --urg           set URG flag
  -X   --xmas          set X unused flag (0x40)
  -Y   --ymas          set Y unused flag (0x80)
  --tcpexitcode        use last tcp->th_flags as exit code
  --tcp-mss            enable the TCP MSS option with the given value
  --tcp-timestamp    enable the TCP timestamp option to guess the HZ/uptime
Common
  -d   --data          data size                            (default is 0)
  -E   --file          data from file
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  -e   --sign          add 'signature'
  -j   --dump            dump packets in hex
  -J   --print         dump printable characters
  -B   --safe           enable 'safe' protocol
  -u   --end            tell you when --file reached EOF and prevent rewind
  -T   --traceroute traceroute mode              (implies --bind and --ttl 1)
  --tr-stop            Exit when receive the first not ICMP in traceroute mode
  --tr-keep-ttl      Keep the source TTL fixed, useful to monitor just one hop
  --tr-no-rtt         Don't calculate/show RTT information in traceroute mode
ARS packet description (new, unstable)
  --apd-send          Send the packet described with APD (see docs/APD.txt)
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