```
C:\>ping -?

Uso: ping [-t] [-a] [-n cuenta] [-l tamaño] [-f] [-i TTL] [-v
TOS]
             [-r cuenta] [-s cuenta] [[-j lista-host] | [-k
lista-host]]
             [-w tiempo de espera] nombre-destino

Opciones:
  -t              Ping el host especificado hasta que se pare.
                  Para ver estadísticas y continuar -
presionar Control-Inter; Parar - presionar Control-C.
  -a              Resolver direcciones en nombres de host.
  -n cuenta       Número de peticiones eco para enviar.
  -l tamaño       Enviar tamaño del búfer.
  -f              Establecer No fragmentar el indicador en
paquetes.
  -i TTL          Tiempo de vida.
  -v TOS          Tipo de servicio.
  -r cuenta       Ruta del registro para la cuenta de saltos.
  -s count        Sello de hora para la cuenta de saltos.
  -j lista-host  Afloja la ruta de origen a lo largo de la
lista- host.
  -k lista-host  Restringir la ruta de origen a lo largo de
la lista- host.
  -w tiempo de espera     Tiempo de espera en milisegundos
para esperar cada respuesta.
```

C:\WINDOUS>ping -n l 148.204.181.254

```
Pinging  148.204.181.254 with 32 bytes of data:

Reply from 148.204.181.254: bytes=32 time=lms TTL=254

00 E0 B0 2C BE A0 00 20        18 67 96 A7 08 00 45 00
00 3C 3C 00 00 00 20 01        C7 82 94 CC B7 A7 94 CC
B5 FE 08 00 42 5C 01 00        0A 00 61 62 63 64 65 66
67 68 69 6A 6B 6C 6D 6E        6F 70 71 72 73 74 75 76
77 61 62 63 64 65 66 67        68 69

00 20 18 67 96 A7 00 E0        B0 2C BE A0 08 00 45 00
00 3C 3C 00 00 00 FE 01        E9 81 94 CC B5 FE 94 CC
B7 A7 00 00 4A 5C 01 00        0A 00 61 62 63 64 65 66
67 68 69 6A 6B 6C 6D 6E        6F 70 71 72 73 74 75 76
77 61 62 63 64 65 66 67        68 69
```

```
C:\WINDOWS>ping –n 1  148.204.183.254

Pinging 148.204.183.254 with 32 bytes of data:
Reply from 148.204.183.254: bytes=32 time=1ms TTL 255

00 E0 B0 2C BE A0 00 20      18 67 96 A7 08 00 45 00
00 3C 39 00 00 00 20 01      C8 82 94 CC B7 A7 94 CC
B7 FE 08 00 43 5C 01 00      09 00 61 62 63 64 65 66
67 68 69 6A 6B 6C 6D 6E      6F 70 71 72 73 74 75 76
77 61 62 63 64 65 66 67      68 69


00 20 18 67 96 A7 00 E0      B0 2C BE A0 08 00 45 00
00 3C 39 00 00 00 FF 01      E9 81 94 CC B7 FE 94 CC
B7 A7 00 00 4B 5C 01 00      09 00 61 62 63 64 65 66
67 68 69 6A 6B 6C 6D 6E      6F 70 71 72 73 74 75 76
77 61 62 63 64 65 66 67      68 69


C: \ windows >ping  –n 1  –i   l   148.204.181.254

Pinging  148.204.181.254  eith 32 bytes of data:

Reply from 148.204.183.254: TTL  expired in transit.


00 E0 B0 2C BE A0 00 20      18 67 96 A7 08 00 45 00
00 3C 42  00 00 00 01 01      E0 82 94 CC B7 A7 94 CC
B5 FE 08 00 40 5C 01 00      0C 00 61 62 63 64 65 66
67 68 69 6A 6B 6C 6D 6E      6F 70 71 72 73 74 75 76
77 61 62 63 64 65 66 67      68 69

00 20 18 67 96 A7 00 E0      B0 2C BE A0 08 00 45 C0
00 38 B3 CE 00 00 FF 01      6D F7 94 CC B7 FE 94 CC
B7 A7 0B 00 9F A3 00 00      00 00 45 00 00 3C 42 00
00 00 01 01 E0 82 94 CC      B7 A7 94 CC B5 FE 08 00
40 5C 01 00 0C 00
```

```
C:\WINDOWS>ping -n 1 -r 2 148.204.181.254

Pinging 148.204.181.254 with 32 bytes of data:
Reply from 148.204.181.254: bytes=32 time=2ms TTL=255
Route:148.204.181.252 →
       148.204.181.254
00 e0 b0 12 be a0 00 20        18 67 96 a7 08 00 48 00
00 48 49 00 00 00 20 01        ac 6b 94 cc b7 a7 94 cc
b5 fe 07 0b 04 00 00 00        00 00 00 00 00 00 08 00
3b 5c 01 00 11 00 61 62        63 64 65 66 67 68 69 6a
6b 6c 6d 6e 6f 70 71 72        73 74 75 76 77 61 62 63
64 65 66 67 68 69

00 20 18 67 96 a7 00 e0        b0 2c be a0 08 00 48 00
00 48 49 00 00 00 fe 01        31 d5 94 cc b5 fe 94 cc
b7 a7 07 0b 0c 94 cc b5        fc 94 cc b5 fe 00 00 00
43 5c 01 00 11 00 61 62        61 64 65 66 67 68 69 6a
6b 6b 6d 6e 6f 70 71 72        73 74 75 76 77 61 62 63
```

```
44 45 53 54 00 00 44 45     53 54 00 00 08 00 45 00
00 76 23 00 00 00 20 01     71 7F 01 01 01 05 02 02
02 01 08 00 E1 FB 01 00     10 00 61 62 63 64 65 66
67 68 69 6A 6B 6C 6D 6E     6F 70 71 72 73 74 75 76
77 61 62 63 64 65 66 67     68 69 6A 6B 6C 6D 6E 6F
70 71 72 73 74 75 76 77     61 62 63 64 65 66 67 68
69 6A 6B 6C 6D 6E 6F 70     71 72 73 74 75 76 77 61
62 63 64 65 66 67 68 69     6A 6B 6C 6D 6E 6F 70 71
72 73 74 75 00 CD 01 6A     85 E7 00 6A 85 05 00 3C


44 45 53 54 00 00 44 45     53 54 00 00 08 00 45 00
00 44 23 00 20 00 1e 01     53 b1 01 01 01 05 02 02
02 01 08 00 e1 fb 01 00     10 00 61 62 63 64 65 66
67 68 69 6a 6b 6c 6d 6e     6f 70 71 72 73 74 75 76
77 61 62 63 64 65 66 67     68 69 6a 6b 6c 6d 6e 6f
70 71 00 37 03 6a 85 6b     02 6a 85 09 00 de f1 a1


44 45 53 54 00 00 44 45     53 54 00 00 08 00 45 00
00 46 23 00 00 06 1e 01     73 a9 01 01 01 05 02 02
02 01 72 73 74 75 76 77     61 62 63 64 65 66 67 68
69 6a 6b 6c 6d 6e 6f 70     71 72 73 74 75 76 77 61
62 63 64 65 66 67 68 69     6a 6b 6c 6d 6e 6f 70 71
72 73 74 75 00 86 03 6a     85 d0 02 6a 85 0a 00 3c
```