

Sin Hilos

La primera operación tarda 3443 milliseconds en responder al cliente, pero la última iteración tarda 30530 milliseconds en responder al cliente, por lo que se puede evidenciar que el proceso lo hace de forma secuencial.

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icasi-TABLET-L2GCEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:37 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.31 seconds

Response time: 3443 milliseconds

PS C:\Users\jc_be\OneDrive\Icasi-TABLET-L2GCEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:38 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.28 seconds

Response time: 30530 milliseconds
```

Multihilos

Se hizo la prueba con 10 clientes usando la función de “listports: 192.182.0.123” al probar este comando con un solo cliente nos sale el siguiente resultado:

```
PS C:\Users\jc_be\OneDrive\Icasi-TABLET-L2GCEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.27 seconds

Response time: 3394 milliseconds
```

Se demora en total 3.25 en responder

Al hacer la solicitud con los 10 clientes, vemos que el tiempo de respuesta vario muy poco, a diferencia de hacerlo sin hilos que el tiempo de respuesta entre el mas rápido y el mas lento es una diferencia de mas de 27 segundos todos, por lo que podemos observar el uso de los hilos

1)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icasi-TABLET-L2GCEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.27 seconds

Response time: 3394 milliseconds
```

2)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icesi-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.46 seconds

Response time: 3587 milliseconds
```

3)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icesi-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.33 seconds

Response time: 3446 milliseconds
```

4)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icesi-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.30 seconds

Response time: 3426 milliseconds
```

5)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icesi-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.46 seconds

Response time: 3581 milliseconds
```

6)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icesi-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.27 seconds

Response time: 3388 milliseconds
```

7)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Icesi-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.38 seconds

Response time: 3501 milliseconds
```

8)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Ices-i-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.28 seconds

Response time: 3404 milliseconds
```

9)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Ices-i-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.37 seconds

Response time: 3489 milliseconds
```

10)

```
Terminal Local x Local (2) x Local (4) x Local (3) x Local (6) x Local (5) x Local (7) x Local (8) x Local (9) x Local (10) x Local (11) x + v
PS C:\Users\jc_be\OneDrive\Ices-i-TABLET-L26CEE3U-2\Semestre6\Ing Soft\helloword-ciclo-kbd-CarlosBolanos-CamiloBernal\helloworld\client\build\libs> java -jar client.jar
listports: 192.182.0.123
Sending: listports: 192.182.0.123
Received: jcbm\jc_be: Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-09 23:48 Hora est. Pacifico, Sudamérica
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.27 seconds

Response time: 3386 milliseconds
```