

רְגִזְעַנְתִּים | נְגִזְעָנִים וְגִזְעָנִים

לעומת TCP, UDP מושך הרבה יותר למסרים ומשרתים פשוטים.UDP מושך הרבה יותר למסרים ומשרתים פשוטים.

وأيضاً في المقدمة

cubic	reno	
3.052394	3.510079	10%
1.858283	1.289284	15%
2.176754	2.992383	20%
14.340355	16.599003	25%
Timeout	Timeout	30%

جیل نیشنل بانک آف انڈیا

```
Activities < Visual Studio Code > May 24, 12:37 • sender.c - Ex4_N-C - Visual Studio Code
File Edit Selection View Go Run Terminal Help TERMINAL
server accept the client...
Received all 1mb , file number 5
Time to receive the file from the client was 3.0
07089 second

The average time to get 5 files in TPC CC cubic
is: 3.052394

server accept the client...
Received all 1mb , file number 1
Time to receive the file from the client was 3.0
06963 second
server accept the client...
Received all 1mb , file number 2
Time to receive the file from the client was 5.3
21181 second
server accept the client...
Received all 1mb , file number 3
Time to receive the file from the client was 3.2
12688 second
server accept the client...
Received all 1mb , file number 4
Time to receive the file from the client was 3.0
05697 second
server accept the client...
Received all 1mb , file number 5
Time to receive the file from the client was 3.0
04766 second

The average time to get 5 files in TPC CC reno i
s: 3.510079

file number 5
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 6
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 7
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 8
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 9
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 10
```

312°/c 10%

1 (ge)

Activities > Visual Studio Code May 24 12:42 • senderc - Ex4_N-C - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Time to receive the file from the client was 2.0
77501 second
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 6
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 7
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 8
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 9
opening socket!
The currnt CC algorithm is: reno
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 10
The average time to get 5 files in cubic CC algor
ithm is: 1.858283
ofir@ofir-VirtualBox:~/Ex4_N-C$
```

1 main* ① ② ③ ④ ⑤ Select folder In 144, Col 32 Spaces:4 UTF-8 LF C Linux

~1690 312/c 15%

Activities > Visual Studio Code May 24 12:51 • senderc - Ex4_N-C - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Received all 1mb , file number 3
Time to receive the file from the client was 1.807085 second
server accept the client...
Received all 1mb , file number 4
Time to receive the file from the client was 5.230006 second
server accept the client...
Received all 1mb , file number 5
Time to receive the file from the client was 2.531768 second
The average time to get 5 files in cubic CC algorithm is: 2.17
6754
server accept the client...
Received all 1mb , file number 1
Time to receive the file from the client was 1.882897 second
server accept the client...
Received all 1mb , file number 2
Time to receive the file from the client was 1.008602 second
server accept the client...
Received all 1mb , file number 3
Time to receive the file from the client was 1.011694 second
server accept the client...
Received all 1mb , file number 4
Time to receive the file from the client was 9.692658 second
server accept the client...
Received all 1mb , file number 5
Time to receive the file from the client was 1.366065 second
The average time to get 5 files in reno CC algorithm is: 2.992
383
ofir@ofir-VirtualBox:~/Ex4_N-C$
```

1 main* ① ② ③ ④ ⑤ Select folder In 144, Col 32 Spaces:4 UTF-8 LF C Linux

310/c 20%

~1690

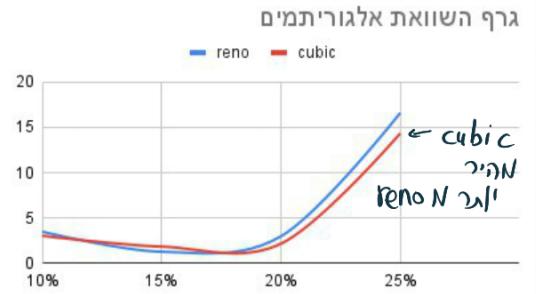
Activities > Visual Studio Code May 24 12:57 • senderc - Ex4_N-C - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Received all 1mb , file number 5
Time to receive the file from the client was 2.687397 second
The average time to get 5 files in cubic CC algorithm is
: 14.340355
server accept the client...
Received all 1mb , file number 1
Time to receive the file from the client was 1.233157 se
cond
server accept the client...
Received all 1mb , file number 2
Time to receive the file from the client was 11.460069 s
econd
server accept the client...
Received all 1mb , file number 3
Time to receive the file from the client was 61.105974 s
econd
server accept the client...
Received all 1mb , file number 4
Time to receive the file from the client was 1.418091 se
cond
server accept the client...
Received all 1mb , file number 5
Time to receive the file from the client was 7.777182 se
cond
The average time to get 5 files in reno CC algorithm is:
16.599003
ofir@ofir-VirtualBox:~/Ex4_N-C$ sudo tc qdisc change dev
lo root netem loss 25%
[sudo] password for ofir:
ofir@ofir-VirtualBox:~/Ex4_N-C$ ./send
opening socket!
The currnt CC algorithm is: cubic
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 1
opening socket!
The currnt CC algorithm is: cubic
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 2
opening socket!
The currnt CC algorithm is: cubic
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 3
opening socket!
The currnt CC algorithm is: cubic
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 4
opening socket!
The currnt CC algorithm is: cubic
connected to the server..
GOT A PERMISSION FROM THE SERVER
1048576 bytes were sent
file number 5
opening socket!
The currnt CC algorithm is: cubic
connected to the server..
```

1 main* ① ② ③ ④ ⑤ Select folder In 144, Col 32 Spaces:4 UTF-8 LF C Linux

~1690 310/c 25%

∴ $\text{rk}(B_1) \leq 100$



ר' יונתן ר' יונה נס

Geeksforgeeks

linuxhint.com

Wikipedia

Stack overflow