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The image displays two terminal windows side-by-side, illustrating the execution of a file transfer program. The left terminal window shows the client's perspective, where the user runs `./client` and sends three files: `3325_text.txt`, `3325_image.png`, and `3325_audio.mp3`. The right terminal window shows the server's perspective, where the user runs `./server` and receives the same three files. The server's output includes status messages such as "Request from client" and "File successfully sent" for each file received.

```
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ g++ 3325_3_client.cpp -o client
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ ./client
Enter the file name you want to open : 3325_text.txt
File received successfully..!
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ ./client
Enter the file name you want to open : 3325_image.png
File received successfully..!
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ ./client
Enter the file name you want to open : 3325_audio.mp3
File received successfully..!
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$
```

```
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ g++ 3325_3_server.cpp -o server
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ ./server
Request from client : 3325_text.txt

.....sending the requested file!
File successfully sent..!
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ ./server
Request from client : 3325_image.png

.....sending the requested file!
File successfully sent..!
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$ ./server
Request from client : 3325_audio.mp3

.....sending the requested file!
File successfully sent..!
himanshu@himanshu-nitro:~/College Documents/TE/CN/Assignments/Prac3$
```

Activities Wireshark Aug 23 13:19 3325_3_wireshark.pcapng

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udp

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	127.0.0.1	224.0.0.251	MDNS	160	Standard query 0x0000 PTR _ftp._tcp.local, "QM" question PTR _nfs._tcp.local, "QM" question PTR _afpovertcp._tcp.lo
2	56.558393218	127.0.0.1	127.0.0.1	UDP	56	56734 → 5600 Len=14
3	56.558686899	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
4	56.558778140	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
5	56.558798926	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
6	56.558817759	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
7	56.558835117	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
8	56.558852441	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
9	56.558869388	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
10	56.559412522	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
11	56.559516140	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
12	56.559611813	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
13	56.559705325	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
14	56.559799742	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
15	56.559893779	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
16	56.559975419	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
17	56.560057640	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
18	56.560144377	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
19	56.560176268	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
20	56.560204842	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
21	56.560224831	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
22	56.560243448	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
23	56.560261678	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
24	56.560295391	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
25	56.560369847	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
26	56.560456513	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
27	56.560487828	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
28	56.560517079	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
29	56.560594525	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
30	56.560681308	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
31	56.560713222	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
32	56.560733700	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
33	56.560752709	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
34	56.560770986	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8
35	56.560789645	127.0.0.1	127.0.0.1	UDP	44	5600 → 56734 Len=2
36	56.560808350	127.0.0.1	127.0.0.1	UDP	50	56734 → 5600 Len=8

Frame 1: 160 bytes on wire (1280 bits), 160 bytes captured (1280 bits) on interface lo, id 0

0000 00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00E..
0010 00 92 7a 61 40 00 ff 11 a0 fc 7f 00 00 01 e0 00 ...za@.....
0020 00 fb 14 e9 14 e9 00 7e 60 8c 00 00 00 00 00 07
0030 00 00 00 00 00 00 04 5f 66 74 70 04 5f 74 63 70ftp_tcp
0040 05 6c 6f 63 61 6c 00 00 0c 00 01 04 5f 6e 66 73local...._nfs
0050 c0 11 00 0c 00 01 0b 5f 61 66 70 6f 76 65 72 74afpovert
0060 63 70 c0 11 00 0c 00 01 04 5f 73 6d 62 c0 11 00 ..cp....._smb
0070 0c 00 01 09 5f 73 66 74 70 2d 73 73 68 c0 11 00sft p-ssh...

User Datagram Protocol: Protocol Packets: 1224612 - Displayed: 1224612 (100.0%) Profile: Default