

# MP3 Report

## Test Case 1: Transfer 2048B

```
yyy@localhost: ~/Desktop/ecen602/MP/mp3_7/original_work
yyy@localhost:~/Desktop/ecen602/MP/mp3_7/original_work$ ./server 127.0.0.1 12345
Requesting test_2048B, Mode: netascii
Block #1 sent
ACK: Block #1 received
Block #2 sent
ACK: Block #2 received
Block #3 sent
ACK: Block #3 received
Block #4 sent
ACK: Block #4 received

```

Server

```
yyy@localhost: ~
yyy@localhost:~$ tftp
tftp> connect 127.0.0.1 12345
tftp> get test_2048B
Received 2048 bytes in 0.0 seconds
tftp>

```

Client

## Test Case 2 : Transfer 2047B

```
yyy@localhost: ~/Desktop/ecen602/MP/mp3_7/original_work
yyy@localhost:~/Desktop/ecen602/MP/mp3_7/original_work$ ./server 127.0.0.1 12345
Requesting test_2047B, Mode: netascii
Block #1 sent
ACK: Block #1 received
Block #2 sent
ACK: Block #2 received
Block #3 sent
ACK: Block #3 received
Block #4 sent
ACK: Block #4 received
File transfer completed

```

Server

```
yyy@localhost: ~
yyy@localhost:~$ tftp
tftp> connect 127.0.0.1 12345
tftp> get test_2047B
Received 2047 bytes in 0.0 seconds
tftp>

```

Client

## Test Case 3 : Transfer a netascii file that includes two CR's

```
[shubkumr7@olympus original_work]$ ./server 127.0.0.1 12345
Requesting cr_test.txt, Mode: netascii
Block #1 sent
ACK: Block #1 received
File transfer completed
Child process exited
```

```
Hello, World!
This is a test file with CR characters.
First line ends with CR.
Second line with two CR's -> \r\r
~
```

Server Side

cr\_test.txt with two CRs on server

```
[shubkumr7@olympus client]$ tftp
[(to)
usage: connect host-name [port]
[tftp> connect 127.0.0.1 12345
[tftp> get cr_test.txt
[tftp> ^Z
[3]+ Stopped tftp
[shubkumr7@olympus client]$ ls
2048B cr_test.txt
```

```
Hello, World!
This is a test file with CR characters.
First line ends with CR.
Second line with two CR's -> \r\r
~
```

Client Side

cr\_test.txt with two CRs on client

## Test Case 4 : Transfer 34MB (block index wraps around)

```
yyy@localhost: ~/Desktop/ccen602/MP/mp3.7/original_work
Requesting test_34MB, Mode: netascii
Block #1 sent
ACK: Block #1 received
Block #2 sent
ACK: Block #2 received
Block #3 sent
ACK: Block #3 received
Block #4 sent
ACK: Block #4 received
Block #65532 sent
ACK: Block #65532 received
Block #65533 sent
ACK: Block #65533 received
Block #65534 sent
ACK: Block #65534 received
Block #65535 sent
ACK: Block #65535 received
Block #0 sent
ACK: Block #0 received
Block #1 sent
ACK: Block #1 received
Block #2 sent
ACK: Block #2 received
Block #3 sent
ACK: Block #3 received
Block #4 sent
ACK: Block #4 received
File transfer completed
```

Server

```
yyy@localhost: $ tftp
tftp> connect 127.0.0.1 12345
tftp> get test_34MB
Received 35000000 bytes in 5.4 seconds
tftp> []
```

Client

## Test Case 5 : Requested file not found

```
yyy@localhost: ~/Desktop/ecen602/MP/mp3_7/original_work
yyy@localhost:~/Desktop/ecen602/MP/mp3_7/original_work$ ./server 127.0.0.1 12345
Requesting test, Mode: netascii
fopen error: No such file or directory
Child process exited
```

Server

```
yyy@localhost: ~
yyy@localhost:~$ tftp
tftp> connect 127.0.0.1 12345
tftp> get test
Error code 1: file not found
tftp>
```

Client

## Test Case 6 : Three clients connected to the server

```
yyy@localhost: ~
yyy@localhost:~$ tftp
tftp> connect 127.0.0.1 12345
tftp> get test_2047B
Received 2047 bytes in 0.0 seconds
tftp>
```

```
yyy@localhost: ~
yyy@localhost:~$ tftp
tftp> connect 127.0.0.1 12345
tftp> get test_2048B
Received 2048 bytes in 0.0 seconds
tftp>
```

```
yyy@localhost: ~
yyy@localhost:~$ tftp
tftp> connect 127.0.0.1 12345
tftp> get test_2047B
Received 2047 bytes in 0.0 seconds
tftp>
```

```
yyy@localhost:~/Desktop/ecen602/MP/mp3_7/original_work$ ./server 127.0.0.1 12345
Requesting test_2047B, Mode: netascii
Block #1 sent
ACK: Block #1 received
Block #2 sent
ACK: Block #2 received
Block #3 sent
ACK: Block #3 received
Block #4 sent
ACK: Block #4 received
File transfer completed
Child process exited
Requesting test_2048B, Mode: netascii
Block #1 sent
ACK: Block #1 received
Block #2 sent
ACK: Block #2 received
Block #3 sent
ACK: Block #3 received
Block #4 sent
ACK: Block #4 received
File transfer completed
Child process exited
Requesting test_2047B, Mode: netascii
Block #1 sent
ACK: Block #1 received
Block #2 sent
ACK: Block #2 received
Block #3 sent
ACK: Block #3 received
Block #4 sent
ACK: Block #4 received
File transfer completed
Child process exited
```