

Assignment 1: HTTP Multipart Upload using Netcat



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Profile Link: <http://172.16.203.23:5002/student/BC2025009>

Files:

1. profile.html
2. This HTML file references the **image** as:
http://172.16.203.23:5002/uploads/BC2025009_pic.jpeg
3. body.bin

On Sending multipart request with nc :

1. Server responds with
 - **HTTP/1.1 200 OK**
 - Upload successful for BC2025009!
2. Time proof using **date**
3. network information using **ifconfig**



```
pixelbrownie@LAPTOP-156M7TBE:~/cn_assignment$ (
printf "POST /upload HTTP/1.1\r\n"
printf "Host: 172.16.203.23:5002\r\n"
printf "Content-Type: multipart/form-data; boundary=$BOUNDARY\r\n"
printf "Content-Length: 75383\r\n"
printf "Connection: close\r\n\r\n"
cat body.bin
) | nc 172.16.203.23 5002
HTTP/1.1 200 OK
Server: Werkzeug/3.1.5 Python/3.12.3
Date: Sat, 14 Feb 2026 14:12:08 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 71
Connection: close

Upload successful for BC2025009! <br><br><a href='/'>Go to homepage</a>
pixelbrownie@LAPTOP-156M7TBE:~/cn_assignment$ date
Sat Feb 14 14:12:12 UTC 2026
pixelbrownie@LAPTOP-156M7TBE:~/cn_assignment$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.22.68.115 netmask 255.255.240.0 broadcast 172.22.79.255
    inet6 fe80::215:5dff:feb9:4b05 prefixlen 64 scopeid 0x20<link>
    ether 00:15:5d:b9:4b:05 txqueuelen 1000 (Ethernet)
    RX packets 5179 bytes 21090666 (21.0 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 4441 bytes 1572946 (1.5 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 9081 bytes 47557424 (47.5 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 9081 bytes 47557424 (47.5 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

pixelbrownie@LAPTOP-156M7TBE:~/cn_assignment$ |
```

screenshot of linux terminal