Vulnerabilità e Difesa dei Sistemi Internet

A.K.A. ETHICAL HACKING

FRANCESCO MANCINI - francesco.mancini@uniroma2.it

PASQUALE CAPORASO - pasquale.caporaso@uniroma2.it

SARA DA CANAL - sara.da.canal@uniroma2.it

PIERCIRO CALIANDRO - pierciro.caliandro@uniroma2.it

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LINUX INTRODUCTION - PRATICE

Q: Write a short script that given a website extracts the url from it

```
# wget www.uniroma2.it -O uniroma2.html

# cat uniroma2.html | grep "href=" | cut -d "/" -f 3 | grep "\." | cut -d "" -f 1 | grep -v "<a" | sort -u

# cat uniroma2.html | grep -Eo '"(http:|https:|)//[^/"]+' | cut -d "/" -f 3 | sort -u
```

Q2: Research bash loops and write a short script to perform a ping sweep of your target IP range of your network

```
# ping 127.0.0.1

# ping -c 1 127.0.0.1

# ping -c 1 -w 1 1.2.3.4

# man ping (search code)
```

```
#!/bin/bash
trap 'echo Process Interrupted; exit' INT # catch ctrl-c
for i in $(seq 1 255);do
      ip=10.11.1.$i
      ping -w 3 -c 1 \text{ sip} > /\text{dev/null};
      if [ $? -eq 0 ]
      then
             echo "- $ip is UP";
      else
             echo "- $ip is DOWN";
      fi
done
```

```
#!/usr/bin/env python
import sh
print "Scanning..."
for i in range(201,255):
 address = "160.80.80." + str(i)
 try:
      sh.ping(address, "-c 1", "-w 3", _out="/dev/null")
      print "ping to", address, "OK"
 except sh.ErrorReturnCode_1:
      print "no response from", address
```

- Try hack me:
 - Link fundamentals: https://tryhackme.com/module/linux-fundamentals
- Hack the box:
 - Linux fundamentals: https://academy.hackthebox.com/module/details/18

Exercises - more

- Hack the box:
 - Bash fundamentals: https://academy.hackthebox.com/module/details/21

Conclusion

THAT ALL FOLKS!

Thank you for your attention

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