Lab6 - Exercitii

Processes practice

You are given [this](https://ubbcluj.sharepoint.com/:f:/s/MLR8114Securitatesoftware2022-2023/EvRW0KgoYKRFr_N9Y1Cha0cB6JFQuuY5HF6vd1idzhoRCw?e=g4ebfn) VirtualBox image (secure-coding6.ova). (or from Teams platform)  
You have to log in using the "attacker/attacker" credentials. There is a /home/attacker/unix2.ctf/ directory with four sub-directories, each one for a different challenge. Correspondingly, there are four executable files "/usr/bin/unix2-ctf\*".  
You have to display the contents of the following flag files:

* /root/unix2/ctf1.txt, by exploiting /usr/bin/unix2-ctf1 (look at source files in "/home/attacker/unix2.ctf/ctf1")
* /root/unix2/ctf2.txt, by exploiting /usr/bin/unix2-ctf2 (look at source files in "/home/attacker/unix2.ctf/ctf2")
* /root/unix2/ctf3.txt, by exploiting /usr/bin/unix2-ctf3 (look at source files in "/home/attacker/unix2.ctf/ctf3")
* /root/unix2/ctf4.txt, by exploiting /usr/bin/unix2-ctf4 (look at source files in "/home/attacker/unix2.ctf/ctf4")

File system practice

You are given this VirtualBox image. Install it. Login using attacker/attacker credentials. Note the three files "/usr/bin/display\_attacker\_file\_\*". Their source code is given in files display\_attacker\_file\_1.c, display\_attacker\_file\_2.c, display\_attacker\_file\_3.c. Execute the file such that to get the three flags in "/root/2015.10.26.ctf1.txt", "/root/2015.10.26.ctf2.txt", "/root/2015.10.26.ctf3.txt". You are required to follow the given order.

The VM should be available to download from the Teams platform.

Potential start VM issue on VirtualBox: Failed to open/create the internal network 'HostInterfaceNetworking-VirtualBox Host-Only Ethernet Adapter' (VERR\_INTNET\_FLT\_IF\_NOT\_FOUND)

Solution: Settings -> Network -> Adapter 1-> Set on Bride Adaptor. Also, disable the Adapter 2.