CyberSecureX CTF

Challenge Name: EnterpriseX (250 Points) (Reversing)



After installing the binary file on our local system, we start by running the file command

```
(kali* kali)-[~/ctf]
$ file EnterpriseX
EnterpriseX: ELF 64-bit LSB executable, x86-64, version 1 (SYSV), dynamically linked, interpreter /lib64/ld-lin
ux-x86-64.so.2, for GNU/Linux 4.3.0, BuildID[sha1]=1be6b911d8c301f4444bd5941bd0a5d900d2704b, stripped
(kali* kali)-[~/ctf]
```

Now that we know it's a linux file, we can start by executing the file.

Here I am prompted to enter a 'license key'. I make a guess by entering abcd as input in the license key just to check it, and received an invalid license key reply.

So now we have to find out the license key to get to the flag.

I try using the **ltrace** tool, and to my surprise I found a strcmp function which was comparing my input to a specific string

Now that we had a value being compared, the next pretty obvious move was to take the value as an input and get the flag.

```
(kali⊗ kali)-[~/ctf]
$ ./EnterpriseX
EnterpriseX License Activation
System User Detected: kali
Enter license key: X-40CDA30B

✓ License valid. Welcome back, kali!
f l a g { l 1 c 3 n s 3 d _ t 0 _ h 4 c k }
```

And that's how we get our flag!

Flag{l1c3ns3d_t0_h4ck}

~ By Team justahacker