Format 2 Continued

Lin_addr = 0x401336

exit_addr = 0x401058

Exes 240 6th purned

Exes 250 6th purned

Exes 250

the used to make sur athoust one of the factions we call happens after he manipulate the GOT

If he druke oxit, we get recurrisish
Socause hinds has the exit call
as well

% in writes 4 bytes (consistinged at A)
% his writes 2 bytes
% him writes 2 bytes

& Use Puts forting to write values *

908 définires the pointer of a string

f "90 466) p 908 \$ hm11

No need for %6 at the Stort because he just have to write to the screen

For Other Challense, We noed

To Use multiple kn writes

= 920 0x112-6+36

fm+2=%220p%9hha"

Since we are duly two writes, we need to make sure the count is right when its read into it

(Ount @ 1st % h

4st 00 36

Ind 01 12

Since hhm only u.tos single bytes, it will pick 112 out of 112

flat (20: fint_1+fint_2, 24: pts_got + 43)

funt_1 = 254p % 9 \$ hhn funt_2 = 90000 800 \$ hhn

VM -addr = 40 1236

37

37

Stack Caparios

A value placed on the Stack by the compiler to detect if there is any manipulation of the stacks memory

A canary doosn't Stop the manipulation just defects it

func Zstack-check-fail > gets called and of it fails the proprom crashes

fs: 0x8 = Segmentation Resister
When the convery is stored before
being placed on the stock

Canery Unive contens null beto

at the end so you count Knep with the Stater Since a String will well terminate

ALSR

Address Layart Spure Randonization

ALSR is corse grand.

Le can move aroud the sections of the factions calls, but the offsets to other libe functions venner the same

LibC Addresses always end in coo

12 6:75

att = 4096 Size of A Puse in the virolal address space

the Start of a saction of libe must aligh with a start of a pose

Only 16 bits of 1:50 addr is

a = 655 3 6

1 1 1

· /

= total guess needed

fork() call dos not verandomise ASLR or Canny values