SecurityTube Linux Assembly Expert (SLAE^{64})

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SWSE, SMFE, SPSE, SGDE, SISE, SLAE^{32,64} Course Instructor

Module 2: Introduction to Shellcoding

13. XOR Encoder

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http://SecurityTube-Training.com

XOR

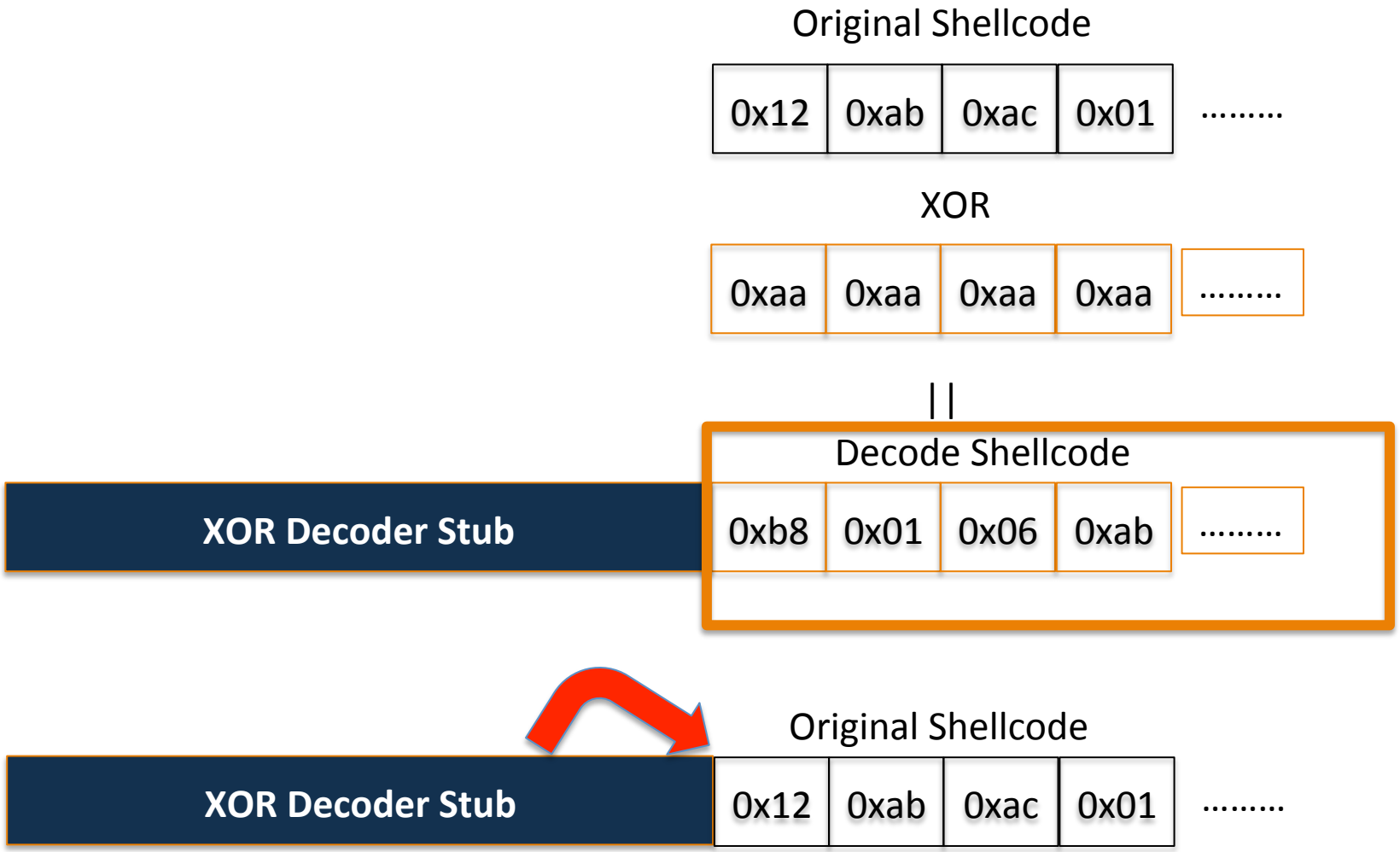
A	B	A xor B
0	0	0
1	1	0
1	0	1
0	1	1

Interesting: (A xor B) xor B = A

What does this mean for us?

- Select an encoder byte e.g. 0xAA
- XOR every byte of Shellcode with 0xAA
- Write a decoder stub which will XOR the encoded shellcode bytes with 0xAA and recover original shellcode
- Stub then passes control to decoded shellcode

Too much text can kill a concept ☺



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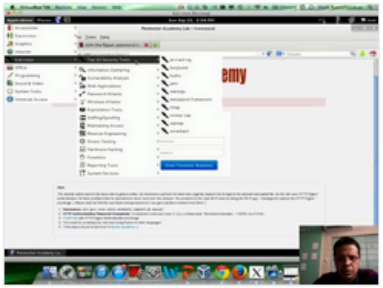
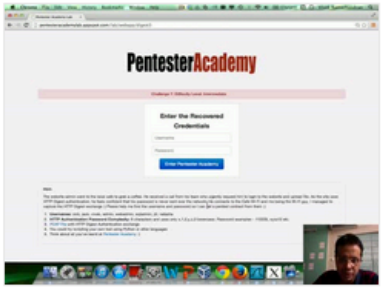
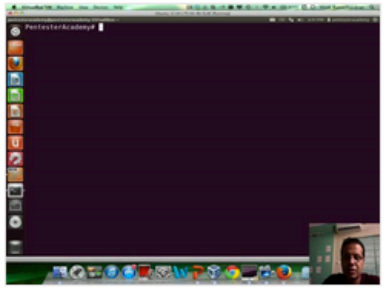


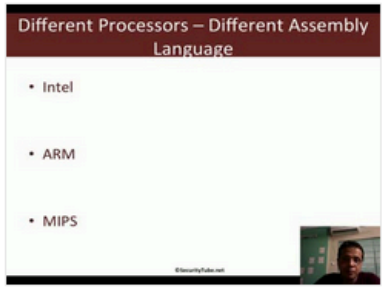
Challenge 7: Cracking Digest Authentication Solution in WAP Challenges



Challenge 7: Cracking Digest Authentication in WAP Challenges



Module 1: GDB Test Solution in x86_64 Assembly Language and Shellcoding on Linux



Module 1: CPU Information in x86_64 Assembly Language and Shellcoding on Linux