SecurityTube Linux Assembly Expert (SLAE^{64})

SecurityTube Linux Assembly Expert

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

Module 2: Introduction to Shellcoding

4. HelloWorld Shellcode GDB Analysis

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http://SecurityTube-Training.com

Modifying Hello World

- Replace all 0x00 opcode instructions
- No hardcoded addresses
  - dynamically figure out address of “Hello World” string

JMP-CALL-POP

JMP Call_shellcode:

shellcode:

pop rsi

....

...

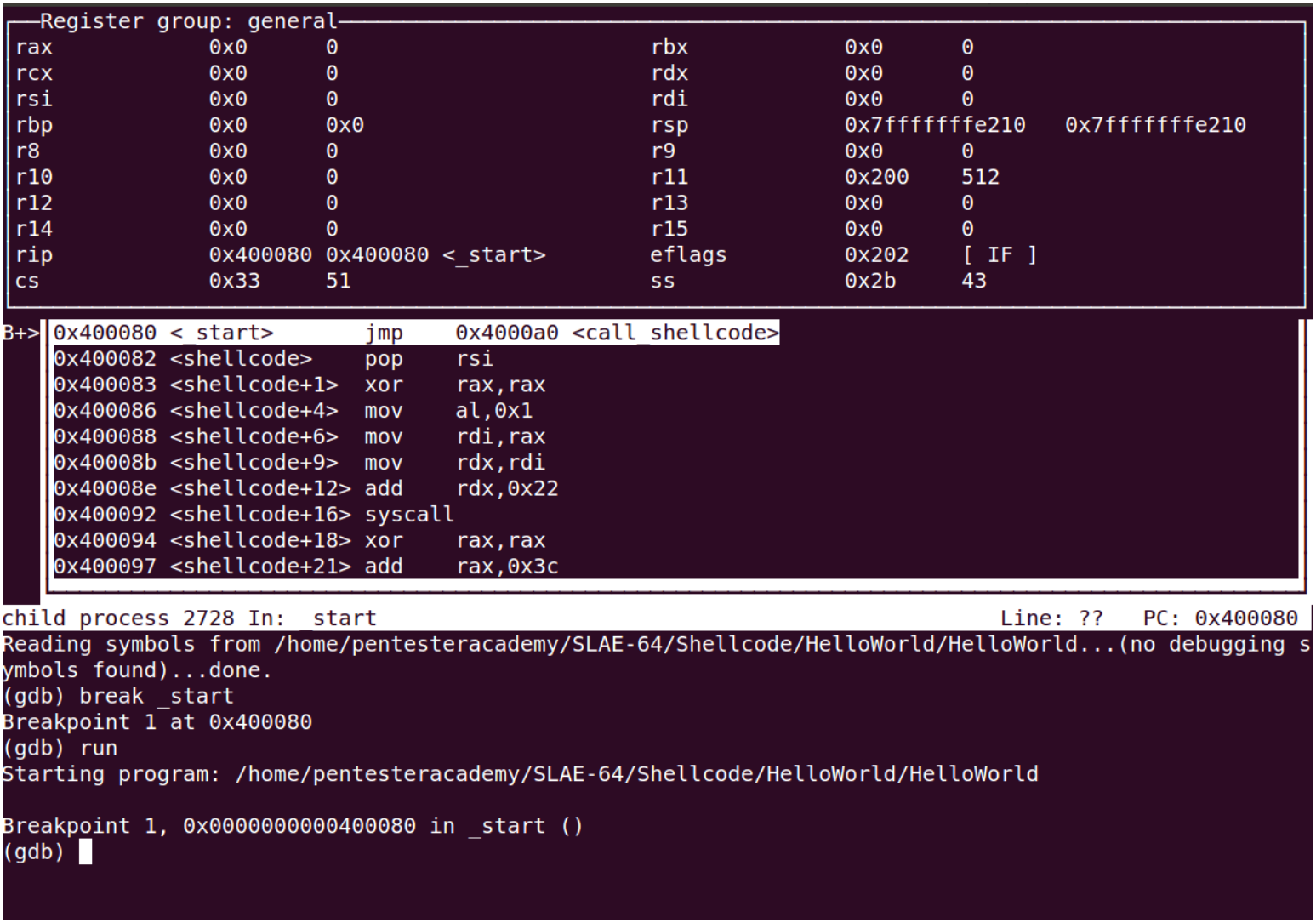
...

Call_shellcode:

call shellcode:

HelloWorld db “Hello World!”

GDB Analysis



Pentester Academy

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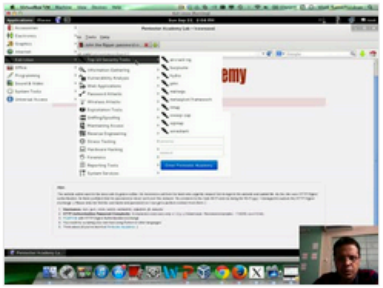
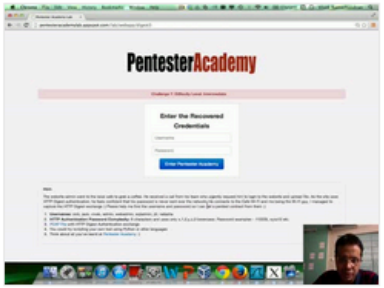
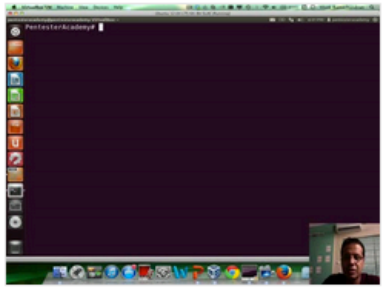


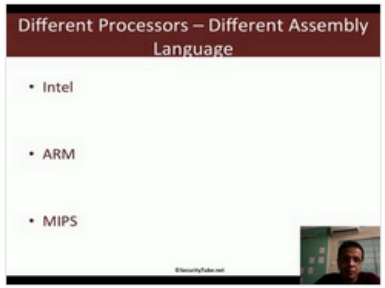
Challenge 7: Cracking Digest Authentication Solution in WAP Challenges



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