SecurityTube Linux Assembly Expert (SLAE^{64})

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Module 2: Introduction to Shellcoding

9. Execve Shellcode Stack Method

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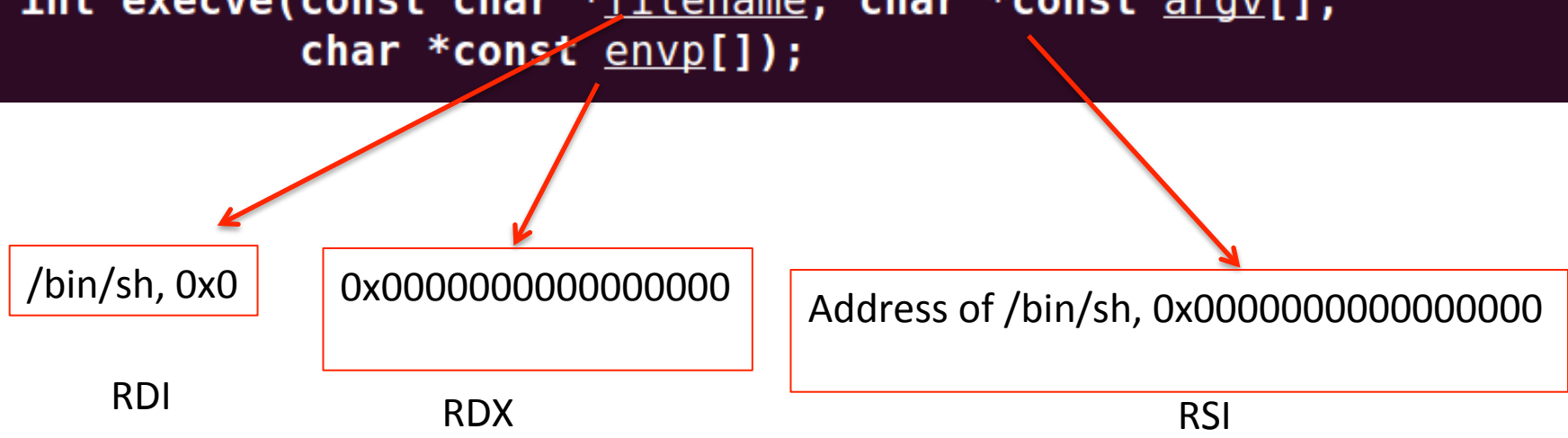
Execute a new program

- execute a new program from within the shellcode
- “/bin/sh” to get a shell
- common technique to get a command prompt from an exploited process

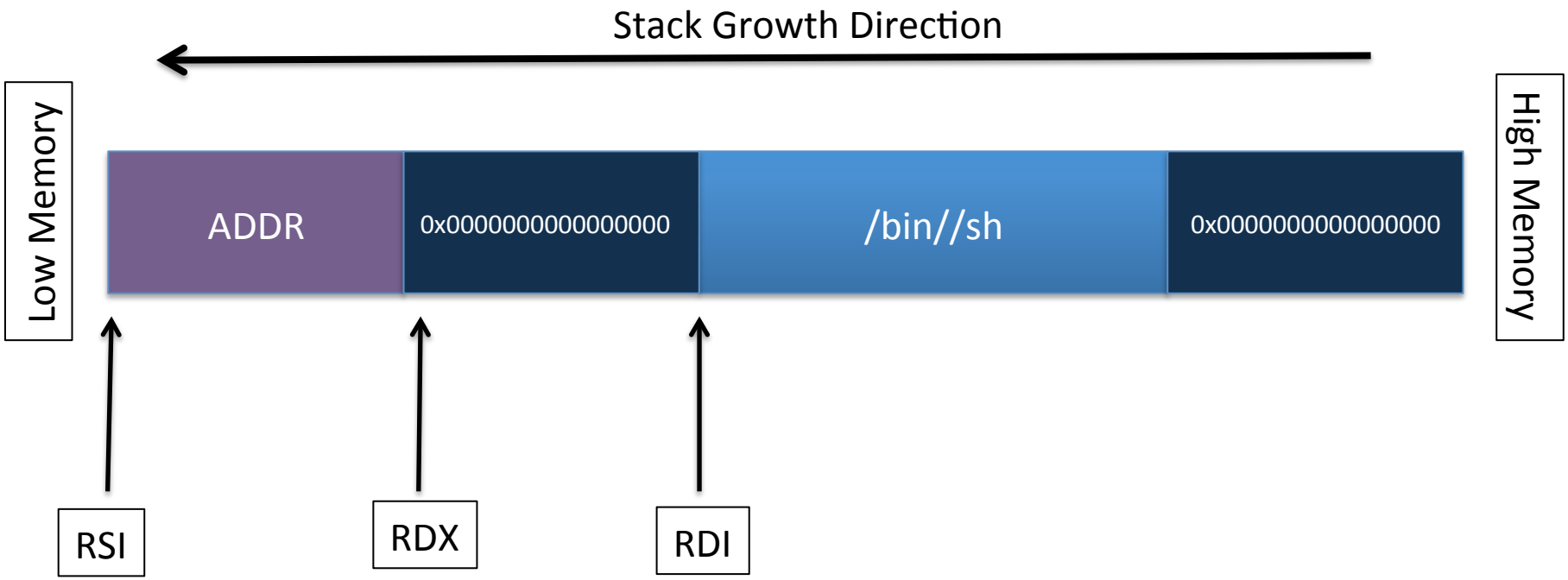
Execve

```
EXECVE(2)                          Linux Programmer's Manual

NAME
       execve - execute program

SYNOPSIS
       #include <unistd.h>

       int execve(const char *filename, char *const argv[],
                  char *const envp[]);
```



We cannot have NULLs in the Shellcode

Stack Push



Is there a need for exit()

- execve does not return if successful

- there is no need for exit() to be called

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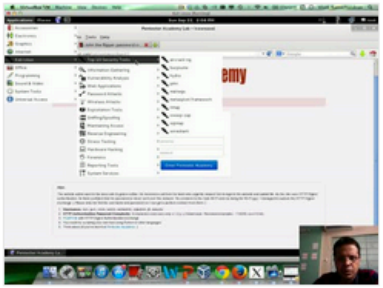
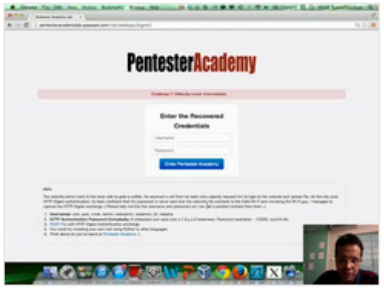
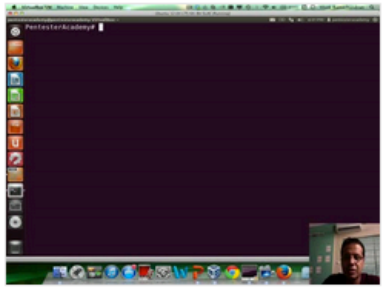


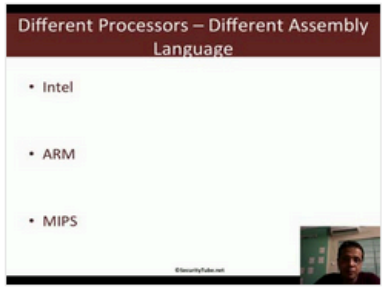
Challenge 7: Cracking Digest Authentication Solution in WAP Challenges



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