Lab 19: EXE With Trojan Code in a New Section

Course Name: Malware Analysis and Reverse Engineering (IAM302)

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Instructor Name: Mai Hoàng Đỉnh

Lab Due Date: 18/3/2023

What You Need

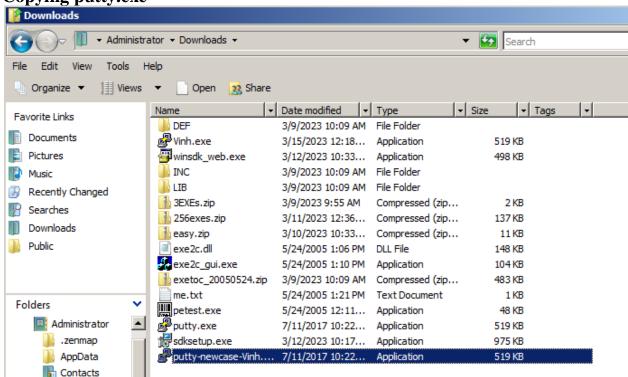
A Windows machine, real or virtual. I used a Windows Server 2008 virtual machine.

Purpose

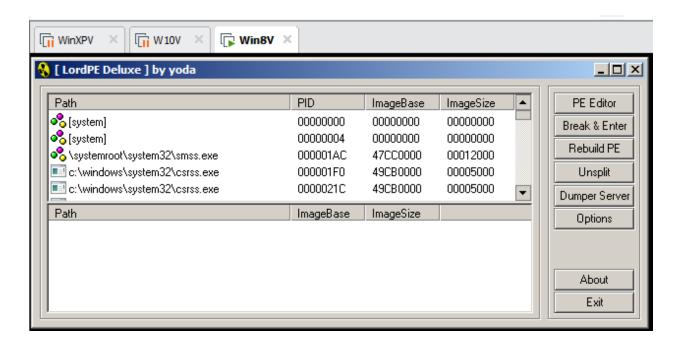
To modify a Windows EXE file and save an altered version containing Trojan code in a new PE section. This gives you practice with very simple features of the Immunity debugger and LordPE

Task 1: Add a Section with LordPE

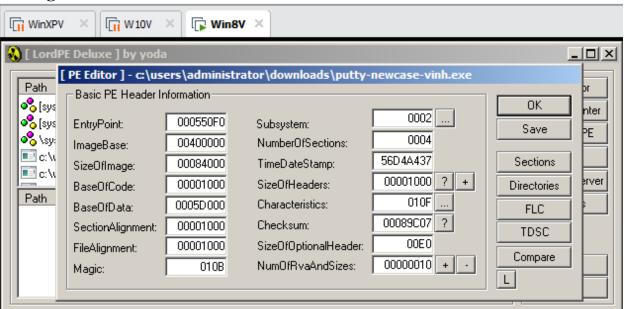
Copying putty.exe

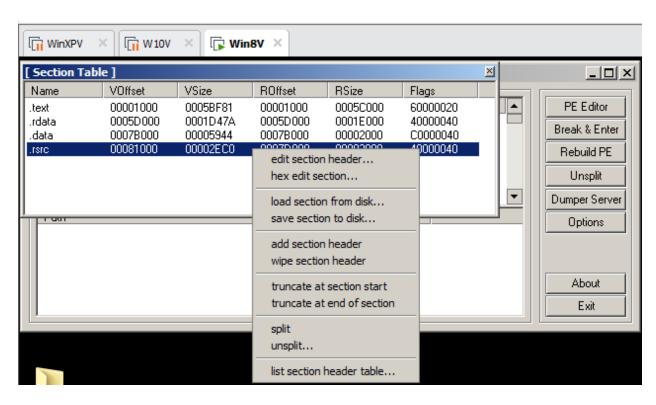


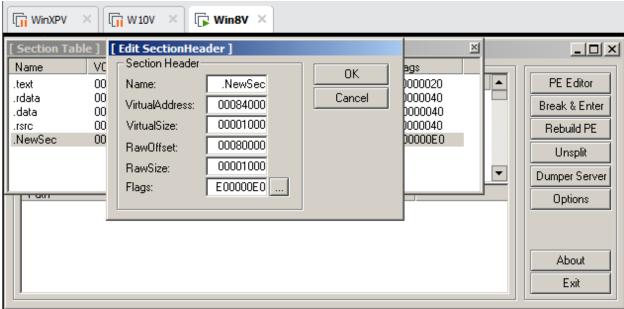
Getting LordPE

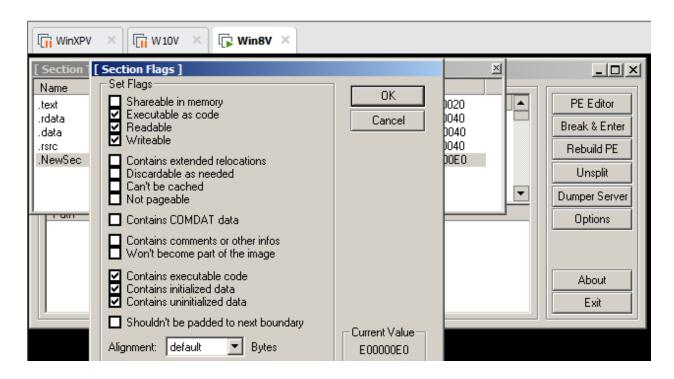


Adding a New Section to the PE Header

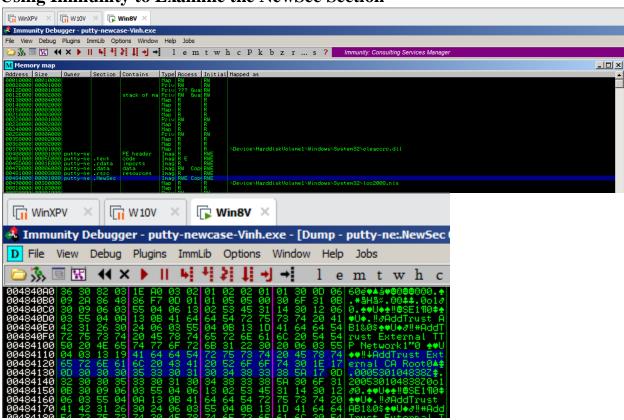




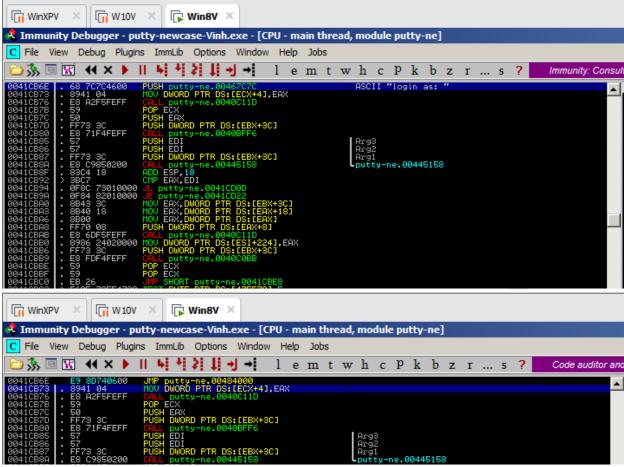




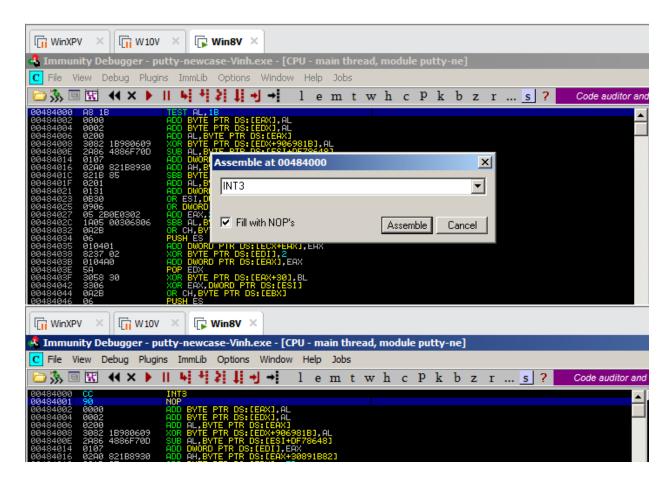
Task 2: Redirecting Code Execution with Immunity Using Immunity to Examine the NewSec Section



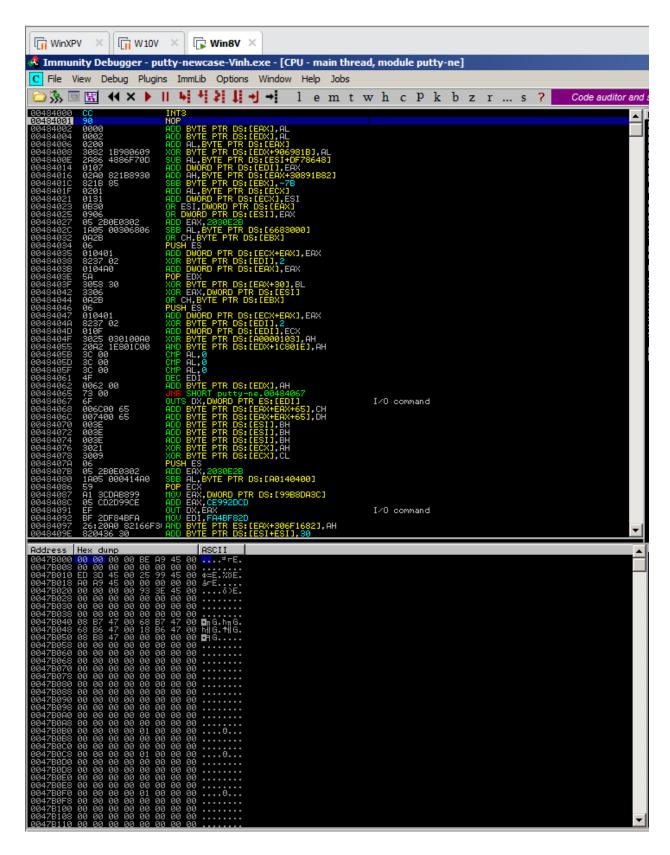
Using Immunity to Redirect Code Execution



Adding Trojan Code

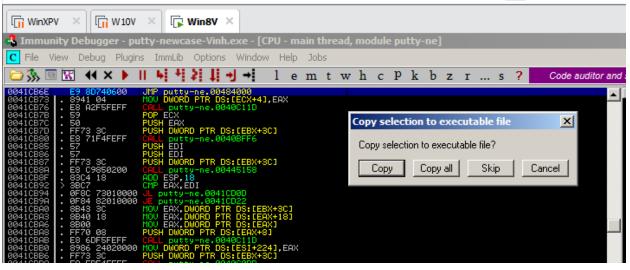


Running the Modified App in Immunity

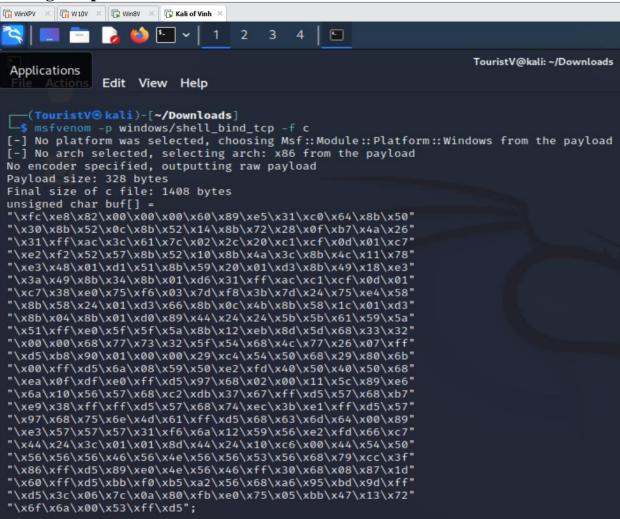


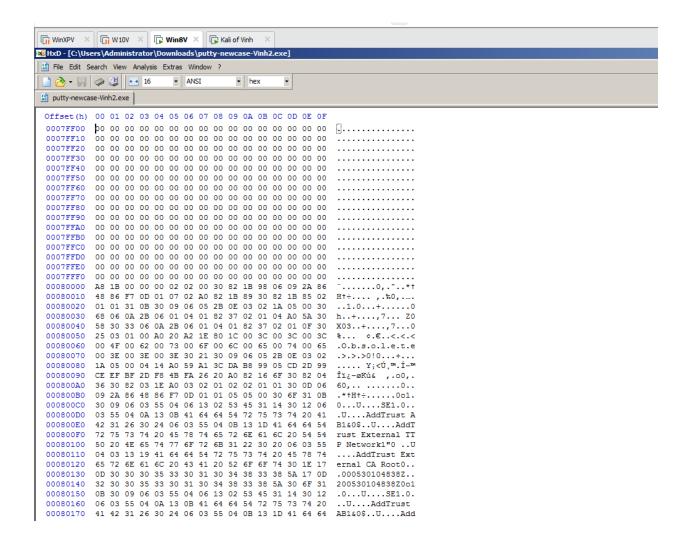
Task 3: Inserting Real Shellcode

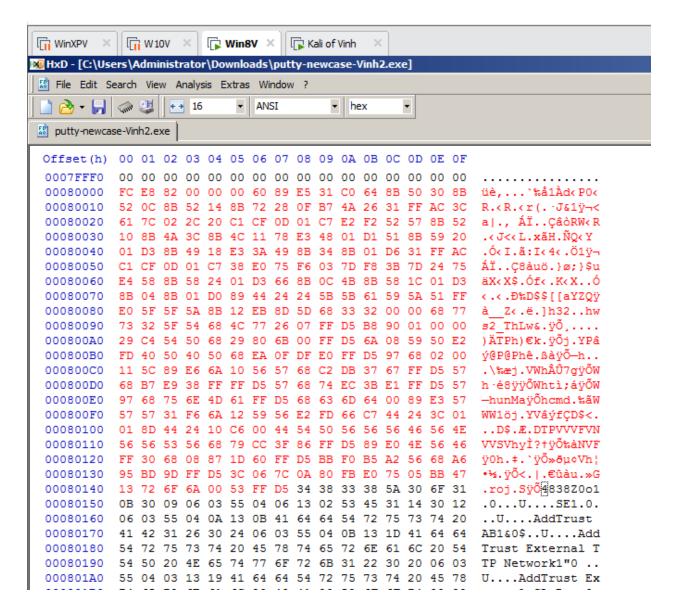
Saving the Modified EXE



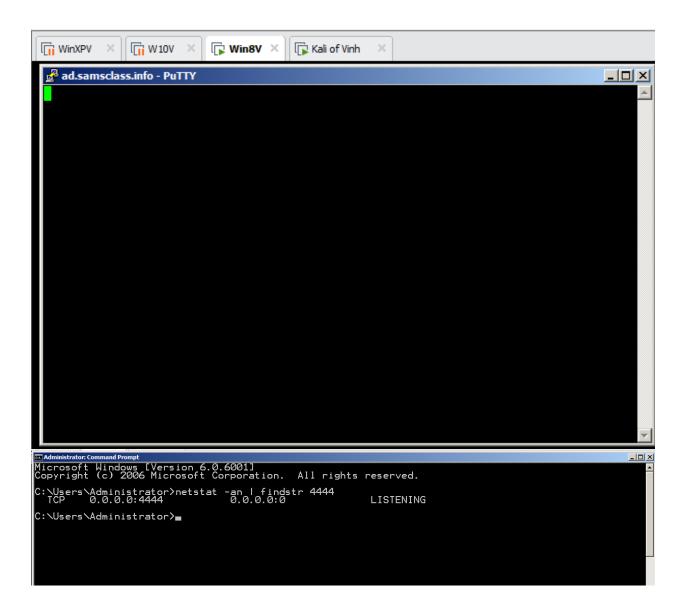
Getting Simple Shellcode







Running the Trojaned Putty



Connecting to the Target

```
    □□
    □□
    Microsoft Windows [Version 6.0.6001]
    Copyright (c) 2006 Microsoft Corporation. All rights reserved.

C:\Users\Administrator\Downloads\whoami
whoami
win-jwbppzsxefv\administrator

C:\Users\Administrator\Downloads\=
```