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## A Course on Intermediate Level Linux Exploitation

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**nnamon** Update Vagrantfile

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 <a href="#">LICENSE</a>	Create LICENSE	a year ago
 <a href="#">README.md</a>	Update README.md	19 days ago
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 <a href="#">builddocker.sh</a>	Completed section 3	a year ago
 <a href="#">cleanup.sh</a>	Added the advanced exercises, sections 9 and 10	a year ago
 <a href="#">deploydocker.sh</a>	Completed section 3	a year ago
 <a href="#">makeall.sh</a>	Added more to the Introduction to PEDA and Pwntools section on PEDA	a year ago

## README.md

# linux-exploitation-course

A Course on Intermediate Level Linux Exploitation

## Pre-Requisites

The course is designed as a continuation of the Windows Exploit Development workshops by the people at Null Singapore and some pre-requisite knowledge is expected of the following topics:

1. An Understanding of x86-64 Assembly
2. Familiarity with GDB
3. Familiarity with C and Python
4. Familiarity with the Standard Jump to Shellcode Exploits

Please do view this 15 minute '[Introduction to Return Oriented Programming](#)' video as a refresher. If you have time, please go through the [lesson plan](#) for the video.

## Syllabus

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1. [Setting Up the Environment](#)
2. How Does a Linux Binary Work? - Skipped for Now
3. [Introduction to PEDA and Pwntools](#)
4. [Classic Exploitation Technique](#)
5. [Linux Binary Protections](#)
6. [Bypassing NX with Return Oriented Programming](#)
7. [Bypassing NX with Ret2Libc](#)
8. [ASLR in Depth](#)
9. [Bypassing ASLR/NX with Ret2PLT](#)
10. [Bypassing ASLR/NX with GOT Overwrite](#)
11. Memory Leaks - Skipped for Now
12. [Multi-Stage Exploits](#)
13. [Format String Vulnerabilities](#)
14. [Advanced Exercises](#)

