**Assignment 01**

(Bind\_TCP\_Shellcode)

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**Introduction:**

This document is the first assignment of SLAE (SecurityTube Linux Assembly Expert) certificate. In this assignment we will program an assembly bind\_tcp\_shellcode for Linux Ubuntu 32bit, we will use the following tools during our programming:

1. NASM (Netwide Assembler): assembler and disassembler for intel x86 architecture.
2. Objdump: disassembler an executable to view disassembly code.
3. ld: combine objects and archive files, relocate their data, and ties up symbol references.

All the executable files that we are going to generate are **elf32** format.

**Compiling script:**

Before starting to explain the shellcode, we will start with the compiler script that we are going to use whenever we will compile new “.nasm” file.