Ryan O'Neill (Rooney)
Penetration Tester
Infosec Institute

1 Introduction

Welcome to the first article in the Reverse Engineering series with IDA Pro. In this article I will be covering the basics of IDA Pro, the industry standard interactive disassembler. IDA Pro is a powerful tool that can be used for a number of purposes including debugging, vulnerability research and malware analysis.

What IDA Pro is not: It is not a tool. It contains a lot of tools, and you can be trained how to use the tools, but IDA Pro is not a tool in and of itself.

What IDA Pro is: It is a disassembler. It is also a debugger, but it is not a tool. It is a platform on which tools can be run. It is a framework for creating and using tools that you need.

2 IDA Pro Interface

The IDA Pro interface is split into a number of different windows. Some of the windows are:

- Disassembly window - Displays the disassembled code of the file you are analyzing
- Hex dump window - Displays the corresponding hexadecimal values of the bytes in the program
- Output window - Displays various messages
- Graph overview window - Displays a birds eye view of the graph you are viewing