hex-rays

Our flagship product **IDA Pro** is a popular yet sophisticated piece of software. We are often asked, what exactly is IDA used for? **Digital Forensics, Penetration Testing, Intellectual Property, Dynamic Analysis and Debugging, Automotive Security, Interoperability, Software Assessment, Education**

IDA PRO

IDA Pro has become the de-facto **standard for the analysis of hostile code, vulnerability research** and **commercial off-the-shelf validation**

A powerful disassembler and a versatile debugger

IDA Pro as a disassembler is capable of creating maps of their execution to show the binary instructions that are actually executed by the processor in a symbolic representation (assembly language). Advanced techniques have been implemented into IDA Pro so that it can generate assembly language source code from machine-executable code and make this complex code more human-readable.

The debugging feature augmented IDA with the dynamic analysis. It supports multiple debugging targets and can handle remote applications. Its cross-platform debugging capability enables instant debugging, easy connection to both local and remote processes and support for 64-bit systems and new connection possibilities.

The Decompiler software is available for 9 platforms

x86 x64 ARM32 ARM64 PowerPC PowerPC64 MIPS MIPS64 ARC

INTERACTIVE

IDA Pro allows the human analyst to override its decisions or to provide hints so that the analyst can work seamlessly and quickly with the disassembler and analyze binary code more intuitively.

INTEGRATIONS

IDA runs on all standard platforms and handles multiple processors. It can also load and disassembles virtually any file format and therefore augment its analysis speed.

PROGRAMMABLE

IDA Pro is a complete integrated development environment. It consists of a very powerful macro-like language(IDC or IDAPython) that can be used to automate simple to medium complexity tasks.

OPEN PLUG-IN ARCHITECTURE

IDA's functionalities can be easily extended by the use of programmable plug-ins. SDK is available for all registeredIDA users.

LUMINA SERVER

The Lumina server holds metadata (names, prototypes, operand types, ...) about a large number of well-knownfunctions and helps improve the disassembly listing through users' search.

F.L.I.R.T

Fast Library Identification and Recognition Technology identifies standard function calls for many compilers. This technology allows IDA to recognize standard library functions generated by supported compilers and greatly improves the usability and readability ofgenerated disassemblies

IDA PRO MINIMUM SYSTEM REQUIREMENTS

Windows - currently supported x64 OS required (Windows 8 or later, Windows 10 recommended).

Linux - x64 (x86_64) CentOS 7 or later, Ubuntu 16.04 or later. Other equivalent distributions may work but not guaranteed

OS X - macOS Catalina or later (x64 or ARM64).