Avira

FILE UNPACKER SDK

CROSS PLATFORM

The Avira File Unpacker SDF is a very effective way to decompress and unpack files that may contain malware. The File Unpacker's Library adds powerful archive processing and is well suited to integration in third party security solutions.

Malicious code often tries to escape anti-malware solutions by hiding in compressed files. Containers, archived and packed files have to be unpacked in order to reveal the true contents of the file. Only then can the content can be assessed for malware.

The File Unpacker SDK supports most file container types present in the industry today. It handles different versions of archive formats and is capable of processing corrupt and manipulated archives that contain ambiguous information. The decompressed files are stored to a user-defined location. From here they are available to other applications, such as file analysis tools.

The File Unpacker is cross-platform, and has the advantage of being able to run on Windows, Linux, or be custom developed for other operating systems. It has been specifically designed to run on hardware with limited resources.

APPLICATIONS

The Avira File Unpacker SDK unpacks most types of crafted malware containers and is a valuable technology for any security solution provider. It is of use to software developers, manufacturers and service providers. This includes anti-virus vendors, managed security service providers, endpoint protection solution security providers, value added service providers, web proxy solutions, mail gateways, file sharing and UTM vendors.

It is particularly suited to environments where multiple security solutions handle the same malware file. The File Unpacker SDK addresses the challenges that some solutions may have in parsing some archive formats.

INTEGRATION

The file unpacker is a standalone SDK built around a C-library with ANSI and UNICODE interfaces. Static unpacking capabilities deliver easy integration into third-party security solutions. The library can run in automated environments, isolated architectures or air-gap environments with no internet connection.

The File Unpacker SDK is a robust and reliable software component that receives regular updates and provides a convenient and stable API.

Key Features:

— Flexible licensing mechanism

— Unpacks more than 45 container and archive types

— Flags password protected archives, searches and extracts embedded packed files

— Extracts files to configurable locations on hard disk

— Applications can register a progress callback to observe and control the unpacking status

— Fault-tolerant, extracting as many files from the archive as possible, report warnings

— Settings for global and per-archive limits are configurable

— Allows to register custom file operations (FOPS) for in-memory processing.

— No third-party dependencies

FILE UNPACKER APPLICATION
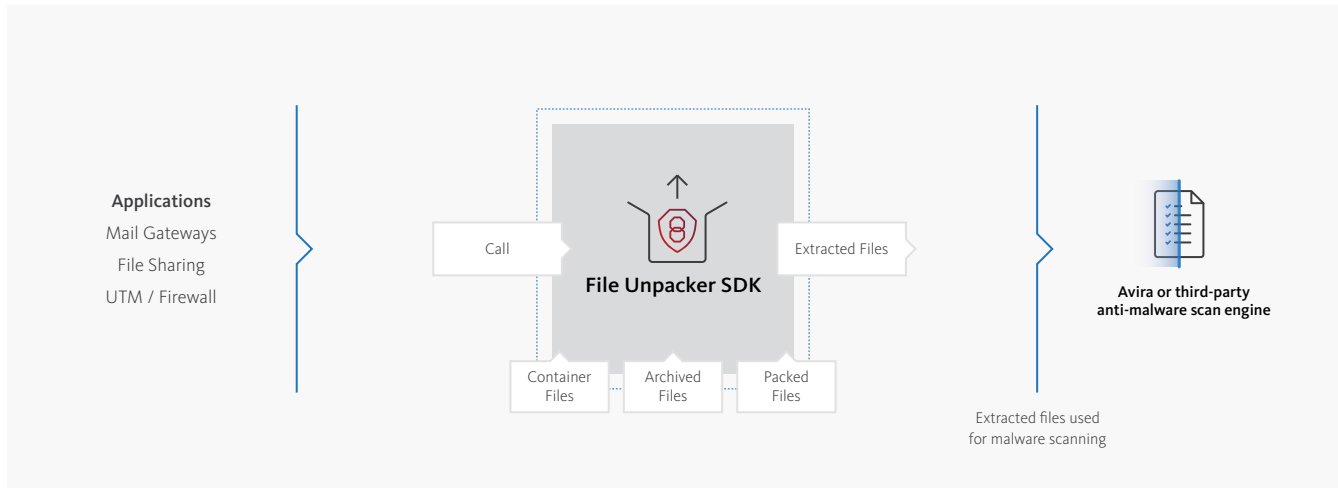
SPECIFICATIONS

Supported Platforms:
Windows 32/64bit x86
Linux 32/64bit x86
other platforms available on request

Implementation:
Native shared library; statically linked

Supported Archives / Packages / SFX:
• ARJ (SFX)
• ACE (SFX)
• ZIP (SFX)
• MacBinary
• GZIP
• CHM
• TAR
• RPM
• LZH / LHA (SFX)

• CPIO
• ZOO
• 7-Zip (SFX)
• MSCOMPRESS (LZ32)
• XAR
• CAB (SFX)
• XZ
• RAR (SFX)
• CRX
• JAR
• BZ2
• Office XML Flat File Format

Supported Mails / Mailboxes:
• UUEncoded / XXEncoded (UUE)
• MIME
• TNEF
• BinHex• PGP signed message
• Base64

• BSD MAILBOX
• Eudora Mailbox
• Squid cache
• Netscape / Mozilla Mailbox
• MS Outlook Mailbox (PST)
• Pegasus Mailbox

Supported Installers:
• NSIS
• AutoIt / AutoHotkey
• SAPCa
•NSIS
•AutoIt / AutoHotkey
•SAPCar

Supported Images:
• ISO 9660
• Windows Imaging File (WIM)

APJ & EMEA

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