

PARAGON SOFTWARE

FILE SYSTEM COMPATIBILITY SUITE

FOR ANDROID

ELIMINATE INTEROPERABILITY BARRIERS AND WIDEN INTO NEW MARKETS!

Android is rising among mobile and multimedia platforms, with more Android-based products out on the market every day. Compatibility issues, however, can plague end users and ultimately divert customers from Android-based products. Paragon has identified some scenarios in interoperability between Android and three of the most popular file systems:

PROBLEM #1: Data interchange with MacOS-formatted HFS+ storage

Imagine the following scenario: a MacOS user copies a new movie onto an HFS+ formatted portable HDD to play on a friend's Android-based media player. Due to the inadequate performance of the open-source HFS+ driver, the movie cannot be viewed and the friends' evening is ruined.

PROBLEM #2: Recording a broadcasted program onto NTFS-formatted storage

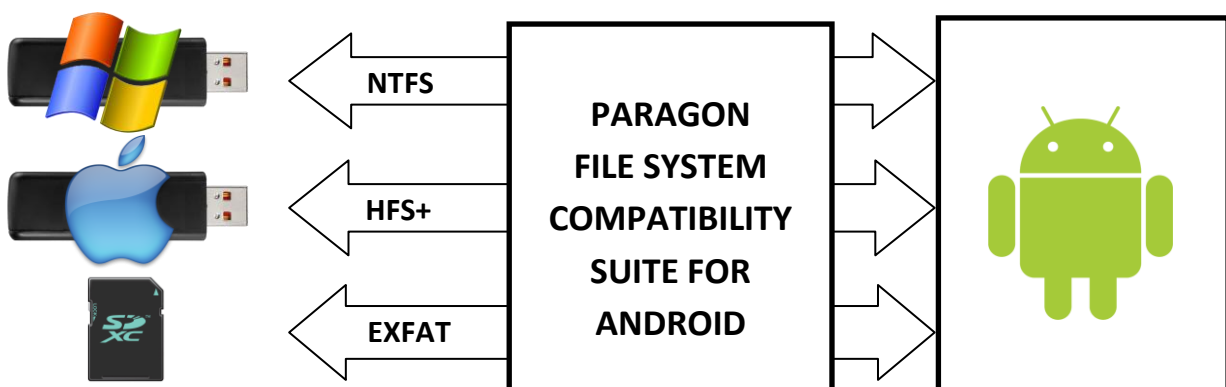
A Windows PC user wants to record a program received by an Android-based media center to his USB stick that uses an NTFS file system. Again, the open-source NTFS driver may not provide high enough performance to enable a smooth operation, prompting negative feedback for both products.

PROBLEM #3: Support for upcoming SD XC memory card

The upcoming standard for new high-capacity memory cards in SD form, SD XC, specifies an exFAT file system as the default. As SD XC cards are already out on the market, Android will require support for the file system, but there is currently no open-source implementation of the file system for Android.

SOLUTION

Paragon Software has a solution for all these scenarios through its use of a single compact Kernel module, which provides high-performance read/write access to all three popular file systems. Please see the next page for more technical information.



USE ANY FILE SYSTEM UNDER ANY OPERATING SYSTEM!

The new File System Compatibility Suite for Android is based on Paragon's unique UFSD (Universal File System Driver) technology, which was specially developed to provide full high-performance access (read/write, format, check/repair etc.) to volumes of the most popular file systems (NTFS, HFS+, FAT, Ext2/3FS, etc.) under various platforms (Android, Windows, Mac, Linux, DOS, ThreadX, etc.) where these file systems are normally not supported. Highest performance and stability of the technology is proven by millions of installations around the world, from PCs to embedded systems.

Supported by Paragon Software's extensive experience in solving various file system-related issues on embedded platforms, Paragon File System Compatibility Suite for Android helps developers of Android-based systems concentrate on an application level and eliminates compatibility barriers that may threaten the success of the entire product.

UFSD ON EMBEDDED SYSTEMS: NOT ONLY ANDROID!

Other operating systems, platforms and products can benefit from Paragon's UFSD library: Windos CE, Linux, ThreadX and QNA, to name only a few. For more information, please send an e-mail to technology@paragon-software.com. Your comments and questions are greatly appreciated.

BENEFITS

- **Compatibility barriers between Android and MacOS/Windows PCs eliminated**
- **Transparent read/write access to NTFS, HFS+, exFAT partitions (depending on licensed configuration)**
- **Support all storage interfaces and formats: IDE, SATA, USB, SD, MMC, CompactFlash, etc.**
- **Low system requirements**
- **Easy integration**
- **Advanced maintenance and support services**
- **Flexible licensing policy**

SYSTEM REQUIREMENTS

- **CPU architectures:**
x86, ARM, MIPS, PowerPC, SH4
- **RAM:**
200..700 Kb to load driver (depending on licensed configuration)
+ 20..400 Kb to operate each volume – depending on number of simultaneously opened files +
+ file and disk cache – depending on Kernel configuration
- **ROM/HDD space:**
~200..700 Kb for storing driver module

CONTACTS

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PRIMARY AUDIENCE

- **Vendors of ANDROID-based mobile and multimedia devices**
- **OEMS**
- **ODMS**
- **System-on-Chip (SoC) vendors**