Portable File System - NicheFile™

TECHNOLOGY OVERVIEW

Every programmable device which utilizes a CPU requires some form of filing system for the access and storage of data. While many complex embedded applications use some form of Operating System which contians a filing system, there are a class of applications that are deeply-embedded, and thus require a minimal file system for operation.

Other, less-deeply embedded applications can take advantage of a "mapping" from user-written applications to the native file system included with the Operating System.

PRODUCT OVERVIEW

The InterNiche File System is a complete drop in module that enables embedded systems developers to add read write capability to RAM, flash or disk. The file system will map to a preexisting file system so that the developer can add RAM based file without changing the existing file system. All RAM based files can be backed up to FLASH using a single command or API call. Logical devices such as UNIX can easily be added.

KEY FEATURES

· RAM based file system
    Files in Web server, FTP, TFTP, etc. can be read/write even on systems with no disk or other file system.
· Maps to preexisting file system.
    Devices which already have a file system can seamlessly add RAM based files without modifying their existing system.
· Flash support & sample drivers.
    All RAM based files can be backed up to FLASH with a single command or API call. Drivers for several popular flash chips are provided.
· Extensible device design.
    "Logical" devices (such as UNIX like /dev/mem or /dev/null) can easily be added.

SUPPORT SERVICES

One year of Software Warranty is included with the product. Optionally, InterNiche also provides an Annual Support Program, which consists of unlimited electronic support enabling users to quickly integrate the software, and assuring that the implementation will perform properly, thus decreasing time to market.

After the initial Warranty/Annual Support Program, InterNiche customer can choose to renew Support at two levels: Gold Support, which includes electronic support, or Platinum Support, which adds new product releases to the Gold Support level.

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