

Reliance Nitro 2.01

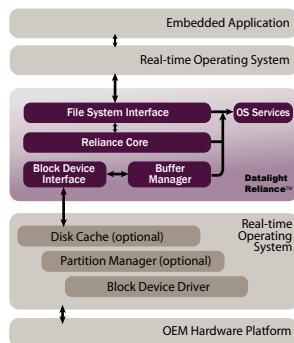
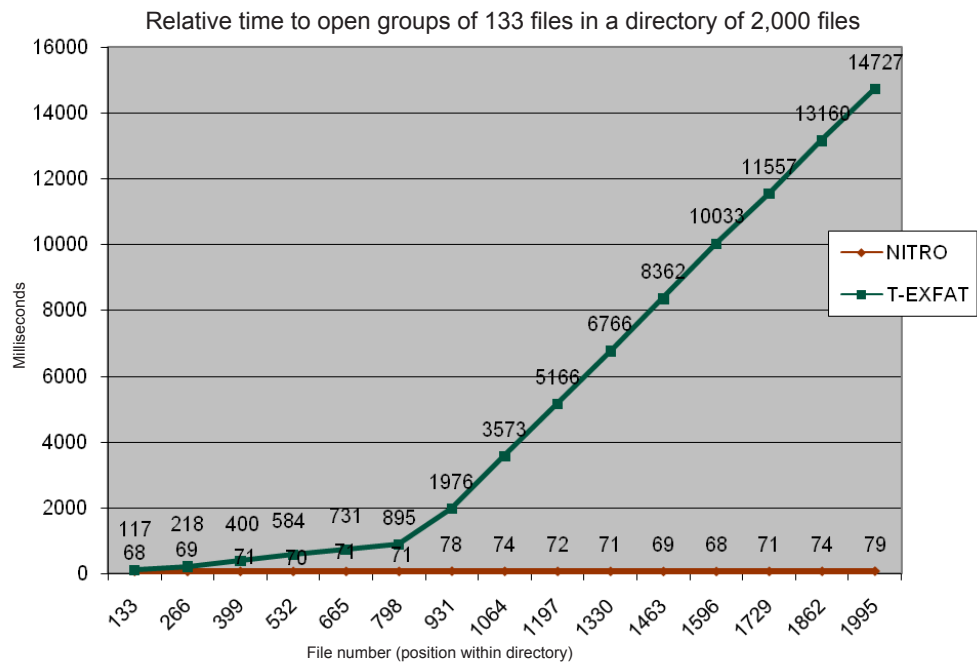
High-Performance Transactional File System

- Tree-based architecture provides maximum performance
- Extent-based file system
- Dynamic Transaction Point™ technology provides control of performance
- Atomic transaction model protects user data and meta data from corruption
- Boots more quickly and consistently than FAT or journaling file systems
- Replaces or coexists with other file systems
- Performance enhancing discard interface for NAND and NOR; Also supports HDD, RAM, Disk-on-chip, USB Mass Storage and SD/MMC
- Works with virtually any 32-bit operating system; Pre-ported versions available for:
 - Microsoft Windows CE
 - Microsoft Windows Mobile
 - Wind River VxWorks
 - Linux

Architected for Performance. Reliable against Corruption.

Datalight Reliance Nitro™ was created for environments where speed is a critical requirement, offering the highest level of performance available in an embedded file system. It is based on the pioneering transactional file system Reliance™, specifically designed for use with embedded devices that operate in environments where power loss may occur. Reliance Nitro works with a broad array of storage media – including flash memory, RAM, hard disk, USB mass storage, and SD/MMC – and virtually any 32-bit operating system.

Blazing Fast Performance



Because of Reliance Nitro's tree-based allocation and directory design, the file open operations for each sample are orders of magnitude faster than the standard default file system included with the operating system. Where there are less than 50 files in the directory, Reliance Nitro is about 50% faster. And in cases where there are hundreds or thousands of files, Reliance Nitro can literally be hundreds of times faster. Since 'file open' is one of the operations most commonly run by a file system, the real-world performance impact can be very significant at the user/device level.