

NEW ENGLISH FILE INTERMEDIATE QUICK TEST 4 Full Version

Introduction to New English File Intermediate Quick Test 4

New English File Intermediate Quick Test 4 is an essential resource designed for learners aiming to assess and reinforce their understanding of English language concepts at the intermediate level. Developed by Oxford University Press, the English File series has established itself as a trusted platform for language learners worldwide, offering engaging lessons, practical exercises, and comprehensive assessments. Quick Tests such as Test 4 serve as invaluable tools for teachers and students alike, providing a rapid yet thorough evaluation of key language skills, including vocabulary, grammar, reading comprehension, and listening abilities.

This article delves into the structure, purpose, and benefits of New English File Intermediate Quick Test 4, offering insights on how to maximize its effectiveness for language learning. Whether you're preparing for exams, self-assessing your progress, or seeking supplementary practice, understanding the nuances of this test will enhance your learning journey.

Understanding the Structure of Quick Test 4

Purpose and Functionality

Quick Test 4 is crafted to serve multiple purposes:

- **Assessment of Knowledge:** Quickly gauge understanding of recent lessons.
- **Revision Tool:** Reinforce previously learned concepts.
- **Exam Preparation:** Simulate exam conditions to build confidence.
- **Teacher Resource:** Identify areas where students may need additional support.

Designed for efficiency, the test typically comprises a series of concise exercises covering essential language components, making it suitable for quick revision sessions or as a warm-up activity.

Typical Components of Quick Test 4

While the exact format may vary depending on the edition, a typical Quick Test 4 includes:

- Vocabulary Section: Multiple-choice or matching exercises focusing on recently learned words and phrases.
- Grammar Section: Fill-in-the-blanks, sentence transformation, or error correction tasks targeting grammar points like tenses, prepositions, and modal verbs.
- Reading Comprehension: Short texts followed by questions to assess understanding and inferencing skills.
- Listening Practice: Audio clips with accompanying questions to test listening comprehension.
- Speaking or Writing Tasks (optional): Short prompts encouraging student expression or written responses.

The variety ensures comprehensive coverage of language skills, making the test a well-rounded evaluation tool.

Key Topics Covered in Quick Test 4

Vocabulary Topics

- Everyday activities and routines
- Travel and holidays
- Work and professions
- Describing people and places
- Common adjectives and adverbs

Grammar Focus Areas

- Present perfect vs. past simple tense
- Future forms (will, going to, present continuous for future)
- Modal verbs for advice, obligation, and possibility
- Comparative and superlative adjectives
- Countable and uncountable nouns

Reading and Listening Skills

- Comprehension of short narratives
- Extracting main ideas and details
- Understanding implied meaning
- Recognizing specific information in audio clips

Strategies for Approaching Quick Test 4 Effectively

Preparation Tips

- Review recent lessons and vocabulary lists.
- Practice grammar exercises relevant to the test content.
- Engage in listening and reading practice using authentic materials.
- Take sample quizzes to familiarize yourself with the format.

During the Test

- Read instructions carefully before starting each section.
- Manage your time efficiently, allocating enough minutes to each part.
- Answer easier questions first to secure quick points.
- Use process of elimination for multiple-choice questions.
- Review your answers if time permits, especially for grammar and vocabulary sections.

Post-Test Review

- Analyze errors to understand areas needing improvement.
- Revisit challenging questions to reinforce learning.
- Use feedback to guide future study sessions.

Benefits of Using Quick Test 4 Regularly

Enhanced Learning Retention

Frequent testing solidifies knowledge, helping learners retain vocabulary and grammar rules more effectively.

Improved Exam Readiness

Simulating test conditions reduces anxiety and builds confidence, preparing students for actual exams like the B1 Preliminary or similar certifications.

Self-Assessment and Progress Tracking

Quick tests serve as benchmarks to measure progress over time, highlighting strengths and

pinpointing areas for improvement.

Flexibility and Convenience

Because of its concise format, Quick Test 4 can be easily integrated into daily study routines, making it ideal for busy learners.

Resources to Support Quick Test 4 Preparation

Official Practice Materials

- Oxford English File workbooks
- Online practice tests and quizzes
- Audio and video resources for listening and speaking practice

Supplementary Tools

- Vocabulary flashcards
- Grammar reference guides
- Mobile apps for language practice
- Language exchange platforms for speaking practice

How to Use Quick Test 4 in a Classroom Setting

As a Warm-Up Activity

Start the lesson with the quick test to activate prior knowledge and set the tone for the class.

For Formative Assessment

Use the results to tailor subsequent lessons based on common errors or misunderstood concepts.

As Homework or Self-Study

Assign Quick Test 4 as homework to encourage independent practice and review outside class hours.

Conclusion: Maximizing Your Learning with Quick Test 4

The **New English File Intermediate Quick Test 4** is more than just a testing tool; it is a strategic resource that supports learners in consolidating their language skills efficiently. By understanding its structure, content, and best practices for preparation, students can leverage this test to achieve fluency milestones, boost confidence, and prepare effectively for formal assessments.

Consistent practice with Quick Test 4, complemented by additional study resources and active engagement in language use, will undoubtedly accelerate progress toward English proficiency. Remember, the key to mastering a language lies in regular, focused practice?so make Quick Test 4 a regular part of your learning routine for optimal results.

New English File Intermediate Quick Test 4: A Comprehensive Overview for Learners and Educators

new english file intermediate quick test 4 has garnered attention among language learners and educators alike as an essential resource to evaluate and reinforce intermediate-level English skills. As part of the widely used English File series, this quick test offers a strategic way to assess understanding of grammar, vocabulary, listening, and reading comprehension in a concise, efficient format. This article delves deep into the structure, benefits, and practical application of the test, providing insights for both students preparing for exams and teachers integrating it into their curriculum.

The Significance of Quick Tests in Language Learning

Why Quick Tests Matter

Quick tests serve a crucial role in language education by providing immediate feedback, enabling learners to identify strengths and areas needing improvement without the pressure of lengthy exams. They facilitate:

- Regular self-assessment to monitor progress.
- Boosted confidence through frequent, achievable challenges.
- Targeted revision, focusing on weak points highlighted by test results.

The Role of the English File Series

The English File series, developed by Oxford University Press, is renowned for its effective methodology combining practical language skills with engaging content. The series' emphasis on real-world communication, combined with structured testing, makes it an ideal platform for intermediate learners. The Quick Tests, specifically, serve as a valuable adjunct to core lessons, offering bite-sized yet comprehensive assessments.

Overview of New English File Intermediate Quick Test 4

Purpose and Scope

Quick Test 4 is designed to consolidate learners' grasp of the material covered in the previous units, typically covering Units 7-9 in the series. Its purpose is twofold:

- To serve as a formative assessment tool, providing immediate insights into learners' comprehension.
- To prepare students for more substantial assessments by reinforcing key concepts in grammar, vocabulary, listening, and reading.

The test is structured to be completed in approximately 15-20 minutes, making it an ideal in-class activity or homework assignment.

Core Components

The test generally comprises four main sections:

- Grammar
- Vocabulary
- Listening
- Reading comprehension

Each section is crafted to challenge learners and to reflect real-world language use, emphasizing both accuracy and fluency.

Deep Dive into the Structure of Quick Test 4

Grammar Section

The grammar component assesses understanding of intermediate structures, such as:

- Verb tenses (present perfect, past continuous, future forms)
- Modal verbs for advice, obligation, and possibility
- Conditionals and reported speech
- Passive voice and relative clauses

Sample question:

Choose the correct form:

"If I ____ (know) about the meeting earlier, I would have attended."

This section often includes multiple-choice questions, sentence transformation exercises, and gap-filling activities.

Vocabulary Section

This part tests the learner's ability to understand and use vocabulary related to everyday contexts, including:

- Collocations and idiomatic expressions
- Synonyms and antonyms
- Word formation (prefixes and suffixes)
- Phrasal verbs

Sample question:

Select the word that best fits the sentence:

"She has a lot of ____ about her future plans."

- a) doubts
- b) confidence
- c) worries
- d) ambitions

Listening Section

The listening component uses audio recordings featuring conversations, interviews, or monologues relevant to intermediate learners. The tasks may include:

- Multiple-choice questions based on the audio

- True/false statements
- Note-taking exercises

This section aims to improve real-world comprehension, focusing on understanding main ideas, specific details, and speaker attitudes.

Note: The audio is usually accessible via a CD, online platform, or embedded in digital learning resources.

Reading Comprehension

The reading part involves short texts such as articles, emails, or notices, followed by questions testing:

- Main idea identification
- Specific detail recall
- Inference and deducing meaning
- Recognizing the writer's tone or opinion

Sample question:

What is the main purpose of the article?

- a) To inform about a new policy
- b) To entertain readers with a story
- c) To persuade readers to participate in an event
- d) To criticize a recent development

Practical Application and Benefits

For Students

Quick Test 4 offers several advantages to learners:

- Self-evaluation: Students can check their understanding quickly and adjust their study plans accordingly.

- Exam readiness: Regular practice with these tests familiarizes students with the exam format, reducing anxiety.
- Skill reinforcement: Targeted questions reinforce previously learned concepts, helping transfer knowledge into active use.

For Teachers

Educators benefit from Quick Test 4 by:

- Assessing class progress: Quickly gauging the overall understanding of units covered.
- Identifying gaps: Spotting common areas where students struggle, allowing for focused revision.
- Enhancing engagement: Short, interactive tests keep students motivated and attentive.

Integration into Learning Plans

To maximize effectiveness, teachers often:

- Use the test as a warm-up or revision activity.
- Combine it with discussion or follow-up exercises.
- Use results to tailor subsequent lessons.

Tips for Success with Quick Test 4

- Practice regularly: Frequent testing helps build confidence and reduces test anxiety.
- Review mistakes: Always analyze errors to understand the correct answer and avoid repeating mistakes.
- Use supplementary resources: Enhance learning with vocabulary flashcards, grammar exercises, and listening practice.
- Simulate exam conditions: For better preparedness, simulate timed conditions to improve time management skills.

Conclusion: A Valuable Tool in the Language Learner's Arsenal

new english file intermediate quick test 4 exemplifies an effective, efficient way for intermediate learners to consolidate their English skills. Its balanced structure across grammar, vocabulary, listening, and reading makes it a comprehensive assessment tool that mirrors real-world communication challenges. By integrating such quick tests into regular study routines, learners can track their progress, build confidence, and prepare more effectively for formal examinations or

real-life conversations.

Educators, meanwhile, find in Quick Test 4 a versatile resource to inform instruction, motivate students, and ensure mastery of key language components. As part of the broader English File series, this test continues to uphold the series' reputation for fostering engaging, practical, and results-oriented language learning experiences.

Whether used as a warm-up, revision, or assessment, new english file intermediate quick test 4 remains an indispensable component of the modern language classroom, supporting learners on their journey towards fluency and effective communication.

QuestionAnswer What are the main topics covered in New English File Intermediate Quick Test 4? The test covers grammar, vocabulary, reading comprehension, and listening exercises focused on intermediate level English skills. How can I best prepare for Quick Test 4 in New English File Intermediate? Review previous units, practice related vocabulary and grammar exercises, and do sample tests to familiarize yourself with the question formats. Are there any common pitfalls to watch out for in Quick Test 4? Yes, common pitfalls include misinterpreting reading questions, rushing through listening exercises, and confusing similar vocabulary words. How is Quick Test 4 structured in the New English File Intermediate course? It typically includes multiple-choice questions, gap fills, matching exercises, and short answer questions designed to assess comprehension and language use. Can I use the New English File Intermediate Quick Test 4 to assess my progress? Yes, it serves as a useful self-assessment tool to identify areas of strength and those needing improvement before moving on to advanced topics. Are there online resources or practice tests available for Quick Test 4? Yes, many online platforms and the official New English File resources offer practice tests and supplementary exercises for better preparation. What skills are primarily tested in Quick Test 4 of New English File Intermediate? The test primarily assesses reading comprehension, vocabulary, grammar accuracy, and listening skills at the intermediate level.

Related keywords: English File, Intermediate, Quick Test, Language Practice, Grammar, Vocabulary, Listening, Speaking, Practice Test, English Learning

windows nt file system internals en anglais

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Understanding the internal architecture of the Windows NT file system is essential for IT professionals, cybersecurity experts, and developers working with Windows-based environments.

The Windows NT operating system, introduced in the early 1990s, revolutionized Windows architecture by providing a robust, secure, and scalable platform. Its file system internals are complex but crucial for ensuring data integrity, security, and performance. This article provides a comprehensive overview of Windows NT file system internals, exploring key components, data structures, and operational mechanisms.

Overview of Windows NT File System Architecture

The Windows NT file system architecture is designed to abstract hardware details and provide a consistent interface for applications and users. It comprises several layers, including hardware abstraction, the I/O manager, file system drivers, and the user-mode interface.

Key Components of the File System

- NTFS (New Technology File System): The primary file system used in Windows NT and later versions, known for its advanced features like journaling, security descriptors, and support for large files.
- File System Drivers: Kernel mode drivers responsible for managing specific file systems such as NTFS, FAT32, or exFAT.
- Object Manager: Manages kernel objects, including files, directories, and symbolic links.
- Cache Manager: Handles caching of data to improve performance.
- I/O Manager: Coordinates all input/output operations between user applications and hardware devices.

Core Data Structures in NTFS

The effectiveness of the NTFS file system relies heavily on several core data structures that organize and manage data on disk.

Master File Table (MFT)

- Central to NTFS, the MFT contains a record for every file and directory.
- Each record is a fixed-size data structure (typically 1 KB).
- Stores metadata such as filename, timestamps, permissions, and pointers to data extents.
- Enables quick file access and efficient management of files.

File Record

- Represents individual files or directories.
- Contains attributes like standard information, filename, security descriptors, data runs, and more.
- Uses a structured format with attribute headers and data.

Attributes

- Basic units of information stored about files.
- Types include Standard Information, File Name, Data, Security Descriptor, and others.
- Can be resident (stored within the MFT record) or non-resident (pointing to external clusters).

Data Runs

- Describe how file data is laid out on disk.
- Use a run-length encoding scheme to specify sequences of clusters.
- Enable efficient mapping of logical file offsets to physical disk locations.

NTFS File System Internals and Operations

Understanding how NTFS reads, writes, and manages files is key to grasping its internal mechanisms.

File Creation and Opening

- When a file is created or opened, the system searches the MFT for a matching record.
- If creating a new file, a new record is allocated, initialized, and linked into directory structures.
- Opening a file involves locating its record and establishing a handle.

Reading and Writing Data

- Data is accessed through data runs in the file's attributes.
- For resident data, the data resides within the MFT record.
- For non-resident data, the data runs provide a mapping to disk clusters.
- The Cache Manager optimizes repeated access by caching data in memory.

File Deletion and Truncation

- Mark the file as deleted by updating its MFT record.
- The actual data remains on disk until overwritten or the space is reclaimed through defragmentation.

Security and Permissions in NTFS

Security is integral to NTFS, with features enabling fine-grained access control.

Security Descriptors

- Store permissions, ownership, and audit settings.
- Associated with files and directories via attributes.
- Use Access Control Lists (ACLs) to specify permissions for users and groups.

Access Control Lists (ACLs)

- Contain Access Control Entries (ACEs) that define permissions.
- Enable complex security policies.
- Are checked during file access operations to enforce security.

Journaling and Data Integrity

NTFS employs journaling to maintain data integrity, especially in case of system crashes or power failures.

Log File and Transactional Operations

- NTFS maintains a log (USN journal) recording changes.
- Uses transactions to ensure consistency; either all changes are committed or none.
- Reduces the risk of file system corruption.

Recovery Mechanisms

- On startup, NTFS replay logs to recover incomplete transactions.
- Ensures filesystem integrity and consistent state.

Advanced Features of Windows NT File System

NTFS supports numerous advanced features that enhance performance, security, and usability.

File Compression

- Allows compression of files and directories to save space.
- Transparent to users and applications.

Encryption

- Supports Encrypting File System (EFS) for data security.
- Uses public-key cryptography to encrypt file contents.

Disk Quotas

- Enable administrators to limit disk space usage per user.
- Helps manage storage resources effectively.

Sparse Files and Reparse Points

- Sparse files optimize storage by not allocating space for empty regions.
- Reparse points facilitate symbolic links, mount points, and volume management.

Performance Optimization and Caching

Windows NT optimizes disk and memory usage through caching and scheduling.

Cache Manager

- Caches frequently accessed data in RAM.
- Reduces disk I/O latency.

Prefetching and Read-Ahead

- Anticipates data needs based on access patterns.
- Improves performance during sequential reads.

I/O Scheduling

- Manages disk access requests to optimize throughput and reduce latency.
- Uses algorithms like FIFO, C-SCAN, and others.

Conclusion

The Windows NT file system internals are a sophisticated amalgamation of data structures, mechanisms, and features designed to provide efficient, secure, and reliable data management. From the core Master File Table to advanced security features and journaling, every component plays a vital role in ensuring the robustness of Windows operating systems. A thorough understanding of these internals is invaluable for system administrators, developers, and cybersecurity professionals aiming to optimize, troubleshoot, or secure Windows environments.

Keywords for SEO optimization: Windows NT file system internals, NTFS architecture, Master File Table, Data runs, Security descriptors, Journaling, File system security, Windows NT file management, NTFS features, Windows file system structure.

Windows NT File System Internals: An In-Depth Examination

The Windows NT file system internals form a complex yet highly optimized architecture that underpins one of the most widely used operating systems globally. As the backbone of Windows NT-based platforms—including Windows 10, Windows Server, and even earlier versions—understanding how the file system operates at a low level is essential for system administrators, security professionals, developers, and researchers alike. This article aims to explore the detailed internal mechanisms of the Windows NT file system, including its architecture, data structures, and operational procedures, providing a comprehensive understanding of how Windows manages files, directories, and storage.

Introduction to Windows NT File System Architecture

The Windows NT architecture introduced a robust, modular, and scalable approach to file management, contrasting sharply with older DOS-based systems. At its core, the Windows NT file system is designed to abstract hardware details, provide security, and ensure data integrity across various storage devices. The architecture can be broadly divided into several components:

- File System Drivers (FSDs): Responsible for interfacing with specific storage media (e.g., NTFS, FAT).
- Object Manager: Manages kernel objects, including files and directories.

- Cache Manager: Implements caching strategies to optimize I/O operations.
- Memory Management: Handles buffers, caches, and buffer pools associated with file I/O.

Among the various file systems supported, NTFS (New Technology File System) is the most prevalent and sophisticated, offering features like journaling, encryption, compression, and security descriptors.

NTFS: The Heart of Windows NT File System Internals

NTFS has been the primary file system for Windows NT since its inception, designed with a focus on reliability, scalability, and advanced features.

Key Features of NTFS

- Journaling: Maintains a transaction log to recover from crashes.
- Security: Implements Access Control Lists (ACLs) and security descriptors.
- Metadata: Uses Master File Table (MFT) to track all files and directories.
- Sparse Files & Compression: Supports efficient storage.
- Encryption: Integrates with Encrypting File System (EFS).
- Disk Quotas & Sparse Files: Manage storage allocations effectively.

Master File Table (MFT): The Core Data Structure

At the heart of NTFS lies the Master File Table (MFT), a relational database that contains a record for every file and directory. Each MFT record is a fixed-size 1 KB structure, which includes:

- File Record Header: Identifies the record and its status.
- File Attributes: Metadata such as timestamps, security, and data content.
- Resident and Non-Resident Data: Data stored directly within the MFT (resident) or elsewhere on disk (non-resident).

The MFT allows for rapid access to file metadata and supports features like defragmentation, security, and recovery.

Deep Dive into NTFS Data Structures

Understanding NTFS internals necessitates a detailed look at its core data structures.

1. FILE_RECORD_HEADER

Every record in the MFT begins with this header, which contains:

- File reference number
- Sequence number
- Flags indicating the record's status (e.g., in use, deleted)
- Pointers to attribute lists

2. ATTRIBUTES

Attributes describe various aspects of files and directories, such as:

- Standard Information: Timestamps, link counts
- File Name: Unicode name, parent directory reference
- Data: Actual file contents or pointers to data
- Security Descriptor: Security information
- Object IDs: Unique identifiers for tracking

Attributes can be resident or non-resident:

- Resident: Data stored directly within the MFT record.
- Non-resident: Data stored elsewhere; the attribute contains extents pointing to data clusters.

3. Attribute List

For large files or files with multiple attributes, an attribute list attribute references additional attributes spread across the disk.

4. Indexing Structures

Directories are implemented as B+ trees, enabling efficient lookups:

- Index Root: Contains the initial part of the directory index.
- Index Allocation: Stores additional index blocks when directories grow large.
- Index Headers: Manage the structure and integrity of index nodes.

File and Directory Operations Internally

The internal operations of Windows NT's file system involve complex sequences of steps, often optimized for performance and reliability.

File Creation and Opening

- The system locates the directory's index structure.
- Searches the B+ tree for the filename.
- If not found, creates a new MFT record, allocates disk space, and updates the directory index.
- Returns a handle for further operations.

Reading and Writing Files

- The system examines the file's data attributes.
- For resident data, reads/writes are direct.
- For non-resident data, the system interprets extents and performs sequential or random disk I/O via the cache manager.

Security and Permissions Handling

- Each file/directory has a security descriptor stored as an attribute.
- Access requests are checked against ACLs.
- Security auditing and inheritance are managed through these descriptors.

Advanced Features and Internal Mechanisms

The internal workings extend beyond basic file management to include features that improve robustness and security.

1. Journaling and Crash Recovery

NTFS uses a transaction log (the journal) to record metadata changes before they are committed to disk. This ensures:

- Consistency after crashes
- Atomic updates
- Faster recovery times

2. File Compression and Encryption

- Compression alters how data extents are stored.
- EFS encrypts file data using cryptographic keys, stored securely within the security descriptors.

3. Disk Quotas and Sparse Files

- Quotas limit user storage consumption.
- Sparse files optimize storage by only allocating space for data that is actually written.

Security and Integrity at the File System Level

Security is deeply integrated into Windows NT file system internals:

- Security Descriptors: Store ACLs, owner, and group information.
- Access Tokens & Impersonation: Enforce permissions during I/O operations.
- Integrity Checks: Use checksum and journaling to verify data integrity.

While NTFS remains highly sophisticated, it faces challenges such as:

- Fragmentation affecting performance
- Security vulnerabilities at the driver level
- Compatibility issues with newer storage technologies (e.g., SSDs)

Recent developments focus on:

- Enhancing support for large disks and files
- Integrating with cloud storage solutions
- Improving resilience and recovery mechanisms

Conclusion

The Windows NT file system internals reveal a layered, resilient, and feature-rich architecture designed for high performance, security, and reliability. From its foundational data structures like the MFT and B+ trees to its advanced features such as journaling, encryption, and quotas, NTFS exemplifies a modern file system engineered for robust enterprise and consumer use. As storage

technologies evolve, understanding these internals becomes vital for developers, security analysts, and system architects aiming to optimize or secure Windows-based environments.

By dissecting these internal mechanisms, professionals can better diagnose issues, develop low-level tools, and contribute to future advancements in Windows file system technology.

Question What are the main components of the Windows NT file system architecture? The main components include the NTFS driver, the Master File Table (MFT), the File Record, the Log File, the Bitmap, and the Directory Indexing structures, all working together to manage file storage, retrieval, and integrity. **How does the NTFS handle file permissions and security?** NTFS uses Access Control Lists (ACLs) embedded within file metadata to define permissions for users and groups, supporting detailed security settings, including discretionary access controls and system-level security features. **What is the Master File Table (MFT) and how does it function in NTFS?** The MFT is a central database that stores metadata about every file and directory on the volume, including attributes, security information, and data location, enabling efficient file management and access. **How does NTFS ensure data integrity and recoverability?** NTFS uses a transaction-based logging system via the USN Journal and the Log File (transaction log), which helps recover from crashes by replaying logs and maintaining consistency of the file system. **What are the differences between the NTFS Master File Table and FAT file systems?** Unlike FAT, which uses a simple File Allocation Table to track clusters, NTFS stores extensive metadata in the MFT, supports larger file sizes, improved security, journaling, and better fault tolerance. **How does NTFS handle large files and disk space management?** NTFS employs features like extents and a dynamic bitmap to efficiently manage large files and disk space, reducing fragmentation and improving performance for large data sets. **What is the role of the Master File Table Record and how is it structured?** Each MFT record contains attributes such as file name, data, security descriptors, and timestamps; it is structured with a fixed-size record that allows quick access and updates to file metadata. **How do NTFS directory structures optimize file searching and access?** NTFS uses B+ trees for directory indexing, which enable fast lookup, insertion, and deletion of files within directories, greatly improving search performance especially in directories with many files.

Related keywords: Windows NT, file system, internals, NTFS, kernel mode, file management, disk management, registry, I/O subsystem, file allocation table

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