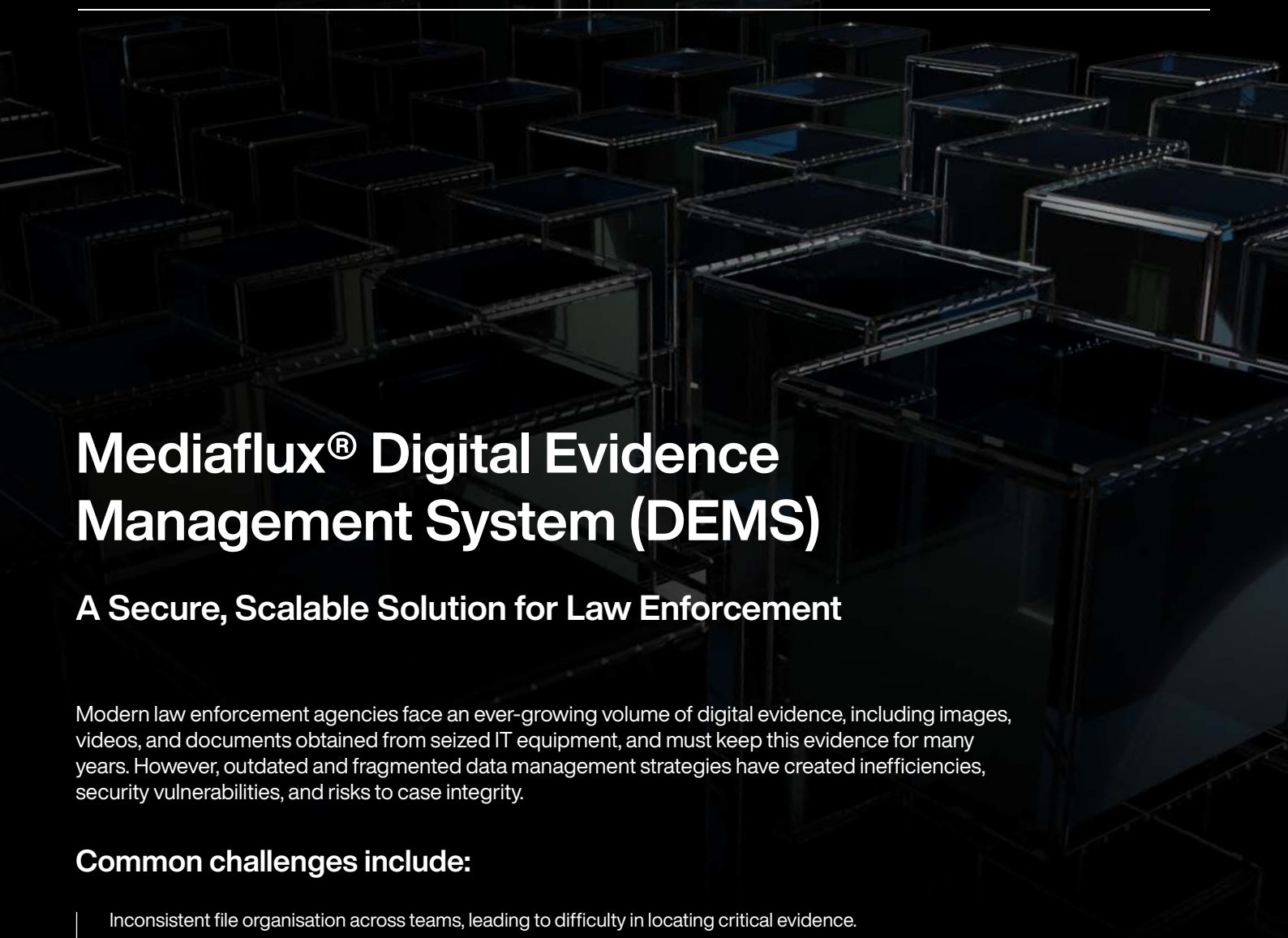
SOLUTION BRIEF



Mediaflux® Digital Evidence Management System (DEMS)

A Secure, Scalable Solution for Law Enforcement

Modern law enforcement agencies face an ever-growing volume of digital evidence, including images, videos, and documents obtained from seized IT equipment, and must keep this evidence for many years. However, outdated and fragmented data management strategies have created inefficiencies, security vulnerabilities, and risks to case integrity.

Common challenges include:

- Inconsistent file organisation across teams, leading to difficulty in locating critical evidence.
- Insufficient security and access controls, making sensitive data vulnerable to unauthorised access or tampering.
- Lack of detailed audit trails, risking the integrity of digital evidence and the legal chain of custody.
- Uncontrolled data duplication, leading to wasted storage and inefficiencies.
- Ineffective storage management, resulting in high costs and slow data retrieval.
- Lack of scalable backup strategies, risking catastrophic loss of critical case evidence.

The Mediaflux Solution

Mediaflux provides a highly secure, scalable, and metadata-driven platform that solves the complexities of digital evidence management. By leveraging a single view of all data with role-based security, and advanced automation, Mediaflux ensures that law enforcement agencies can efficiently protect, store, and retrieve digital evidence.

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Key Capabilities and Benefits

Metadata-Driven Data Discovery

Mediaflux eliminates the reliance on traditional folder structures, enabling users to search and retrieve evidence using embedded metadata, such as camera make, timestamp, or specific case references.

Granular Role-Based Access Control (RBAC)

Strict permissions management ensures that only authorised personnel can access evidence. Mediaflux integrates with Active Directory (AD)/LDAP for multi-factor authentication (MFA) and gated authorisation to safeguard sensitive materials.

Complete Audit Trails and Chain of Custody

Every user action, from access to modification, is logged and time-stamped, providing law enforcement with the ability to track evidence handling and ensure compliance with legal requirements.

Data Deduplication and Storage Optimisation

Mediaflux automatically detects duplicate files, consolidates identical assets, and enables intelligent tiered storage (hot, warm, and cold storage) to reduce unnecessary data sprawl and storage costs.

Automated Data Backup & Point-in-Time Recovery

The Asset Processing Queue (APQ) ensures that digital evidence is continuously backed up across multiple storage tiers (flash, HDD, tape, cloud). Mediaflux also provides point-in-time recovery, allowing agencies to restore case data to a previous state in case of data corruption or unauthorised changes.

High-Speed Data Transfers

Mediaflux optimises digital evidence movement through parallelised transfers, ensuring efficient file sharing between field units, crime labs, and central agencies without delays.

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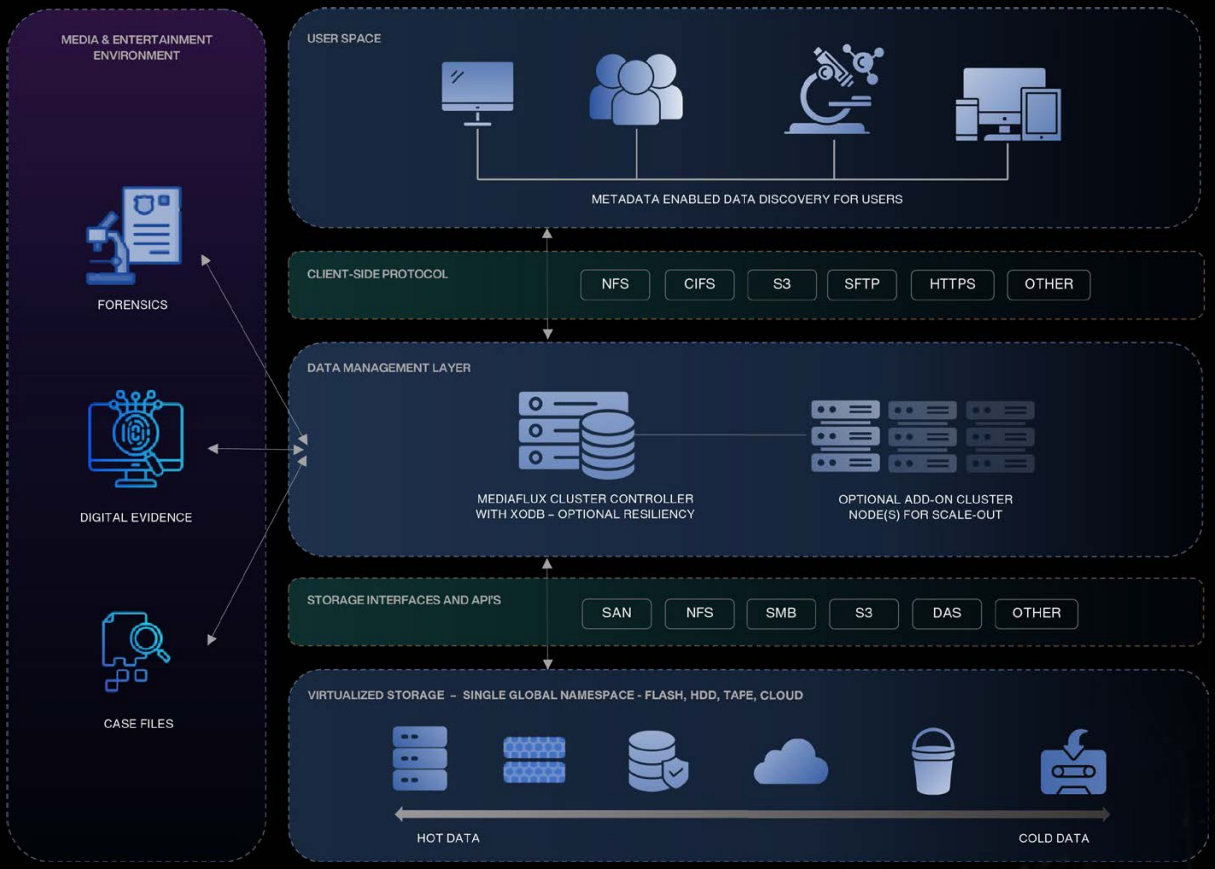
Global Digital Evidence Management with Mediaflux

- **Virtualised Storage with a Single Global Namespace:** Enables seamless access across multiple locations.
- **High-Performance File Access (NFS, SMB, S3, HTTPS, SFTP):** Supports diverse law enforcement workflows.
- **Compute in the Cloud & On-Premises:** Flexibility to process digital evidence wherever required.
- **Automated Backup & Tiered Storage:** Ensures data security while optimising storage costs.



Why Mediaflux?

Mediaflux revolutionises digital evidence management by combining security, scalability, and automation into one seamless platform. By eliminating data silos and inefficiencies, law enforcement agencies can focus on solving cases while maintaining the highest standards of evidence integrity.

About Arcitecta

Since 1998, Arcitecta has been pioneering data management solutions for mission-critical applications. Mediaflux simplifies the administration of large-scale unstructured data, empowering law enforcement agencies to manage digital evidence efficiently and securely.

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