



## IBM FileNet Magnetic Storage and Retrieval (MSAR)

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### Overview

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*IBM FileNet MSAR is a high-speed, system independent ECM storage solution that provides instant access to massive amounts of data.*

To maintain the high-service levels that success demands, customer service representatives must have immediate access to client records. IBM FileNet Magnetic Storage and Retrieval (MSAR) can speed access to the information your staff needs. This capability extends IBM FileNet Image Manager, a highly scalable solution that provides high-speed document capture, secure access, and the ability to deliver content to geographically distributed locations.

MSAR is a high-speed, system-independent Enterprise Content Management (ECM) storage solution that provides instant access to massive amounts of data. Each MSAR library provides as much as 16 terabytes of storage while enabling a single ECM solution to support up to 512 libraries with a total capacity of 8 petabytes of data. With MSAR, you can retrieve more information and get it to those who need to make a decisions quickly and efficiently.

### Features & Benefits

#### **Storage System Independent**

Utilizes the file system to store its data files regardless of what technology

your file system uses. The storage may be a RAID array on the IBM FileNet server, a fiber channel attached SAN, or a Network Attached Storage server residing on the local network or at a remote data center across a WAN.

#### **Flexible Storage Strategy**

Provides the flexibility to leverage the storage strategy that best fits your unique needs. Storage Area Networks, Network Attached Servers, Tape Silos, and Hierarchical Storage Managers represent options that can be used to complement traditional optical storage devices.

#### **Lower Cost of Ownership**

Leverages your existing enterprise storage investments by accommodating your enterprise technology and your enterprise operations.

#### **Fast Data Access**

Retrieves data substantially faster than an optical library.

#### **High System Reliability**

Ensures higher reliability with fewer parts that can break and compromise your system's reliability.

## **Operational Scenarios**

Highly flexible and adaptable, MSAR can deliver rapid returns in a number of different deployment scenarios:

**MSAR with OSAR** Using high-speed magnetic storage for primary storage and optical platters for transaction logs, provides fast retrieval speeds while maintaining the WORM compliance your business demands.

## **MSAR Utilizing Remote Storage**

If WORM archiving is not a requirement and you have a remote or disaster recovery data center, tranlogs can be written to a remote MSAR library, eliminating the need to manually send optical platters off site.

## **MSAR Utilizing Tape Storage**

Customers that have invested in large tape storage systems can easily leverage that technology. MSAR can utilize file system interfaces to read and write surface files.

## **Optical Conversion**

For converting data from optical formats, MSAR supports surface conversion and document consolidation. Using the MSAR Convert utility, you can convert optical surfaces to magnetic surface files quickly and easily. A byte-for-byte copy of the optical surface results in a magnetic surface of the same size. Plus, the converted surface is considered closed and can no longer be modified.

The media consolidation method enables you to purge deleted documents or migrate open documents to the magnetic surface. This also provides flexibility in choosing the size of the MSAR surface files.

## **Technical Specifications**

### **Works With**

- MSAR works with IBM FileNet Image Services 3.6 Extended Storage Edition

### **Direct Attached Storage Requirements**

- Works with any storage device expressed as a file system capable of synchronous writes, including SAN environments

### **Remote Storage Requirements**

- NFS 3 in synchronous mode for Unix and Windows environments
- CIFS (SMB) for Windows environments



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