

VMR

VIRTUAL MEDIA REPOSITORY

Eliminating a struggle shared by many organizations, VMR allows for easy management of large volumes of diverse media



Meet the NARA FERMI REQUIREMENT

Under the Federal Electronic Records Modernization Initiative (FERMI), federal agencies must manage all permanent records in an electronic format by June 30, 2024.



Uploads and Storage

Unlimited files of up to dozens of gigabytes in size each can be uploaded and stored in perpetuity. Features resumable uploads (i.e. uploads will pick up where they left off if they were interrupted).



All File Types Supported

All file types can be uploaded and stored directly in VMR. Automatically converts numerous non-standard media types to standard types, allowing for a wide variety of file types to be viewed directly in the browser.



Approval Workflow

Approval workflow that is fully customizable and will be constructed to match the business rules and mission requirements of the customer.



Security

Aligns with zero trust architecture, implementing multiple protocols to ensure managed information is secured via redundancy, encryption at rest, and encryption in transit. Supports sophisticated, customizable visibility and access control rules.



Workflow Engine

Fully configurable workflow engine provides ultimate flexibility for handling media before and after upload. Current functions include duplicate detection, media conversion, thumbnailing, compression, non-repudiation and virus scanning. Designed to easily add functions into the workflow pipelines such as media analytics, image/pattern recognition, digital signatures, blockchain, and more.

After 4 months of use by a client, users realized the following compared to the previous system:

~188% increase in number of media items acquired
~4,184% increase in volume of media items acquired



Scalability and Availability

Supports thousands of concurrent users and millions of media items with virtually unlimited storage caps.



Technology Platform

Leverages open source and FedRAMP certified AWS cloud technologies such as EC2, RDS databases, S3 buckets with Cross-Region Replication, AWS Load Balancers, AWS managed OpenSearch, AWS managed Kafka (MSK), ElastiCache, serverless technologies, and CloudWatch.