

AI-powered Smart Content Classification for Intelligent Data Governance and Security

In the ever-evolving landscape of data management, organizations face the challenge of efficiently organizing and securing vast amounts of information. The exponential growth of data, coupled with the need for compliance and data governance, necessitates advanced solutions for content classification.

FileCloud's Smart Content Classification functionality addresses these challenges by providing a sophisticated and automated approach to organizing, securing, and managing content. With FileCloud v23.232, Smart Content Classification incorporates additional functionalities such as artificial intelligence, a visual builder for classification rules, and a playground to test rule performance and functionality.

Automated & Intelligent



Smart Content Classification in FileCloud has a profound impact on enterprise file management and security. By automating the classification of content, organizations can significantly reduce the risk of data breaches, meet compliance requirements, and streamline data organization.

Organizations can leverage even more intelligent tools with FileCloud v23.232! Smart Content Classification can be integrated with OpenAI, so admins can classify content using artificial intelligence and natural language queries. For example, classification rules can be created to capture unpredictable content such as “PII that include names of individuals, addresses, and phone numbers.”

Combining metadata-based organization with automated file scanning and classification removes the burden and risk of errors that come with manual content review and organization. Furthermore, this classification system can be paired with FileCloud’s Smart DLP to block or allow certain actions based on metadata. Smart Content Classification empowers enterprises to achieve greater efficiency and security throughout the data management lifecycle.

User-friendly



Content Classification in FileCloud invites both manual and automated input to meet a wide array of data management needs. Behind the scenes, the classification engine executes tasks to address complex file organization and policy application; however, the user interface is accessible and intuitive.

Users can opt to create rules based on a Regular Expression (RegEx) builder or with a no-code visual builder. Additionally, users can simulate and test rules, ensuring they perform as needed, before deploying them in their FileCloud environment.

Smart Content Classification Benefits At-a-Glance



Enhanced Security

- Automatically classify and protect sensitive data, reducing the risk of unauthorized access and data breaches.



Compliance Support

- Facilitate compliance with industry regulations and data protection laws by enforcing policies and identifying sensitive information.



Efficient Data Organization

- Streamline content management by automatically categorizing and organizing data, improving searchability and accessibility.



Time and Cost Savings

- Reduce manual efforts in content classification, saving time and resources while improving overall operational efficiency.

Smart Content Classification Highlights

- ✓ Automate content scanning and recognition upon file upload to streamline metadata tagging and policy application.
- ✓ Ensure rules perform as intended with the testing playground.

- ✓ Support end-user adoption of smart classification with a code-free, three-step visual rules builder
- ✓ Leverage artificial intelligence to classify content based on natural language.

How it Works

FileCloud's Smart Content Classification functionality stems from a built-in engine that scans file metadata and content upon upload. This scan ensures that no viruses or malware are introduced, via ICAP DLP, while also identifying relevant metadata tags.

The classification engine can utilize built-in metadata sets, such as image properties, file creation dates, and metadata tags from other applications, as well as custom metadata sets that admins can create to fulfill unique organizational needs. The engine can also be integrated with OpenAI to classify content using natural language.

The metadata or file attributes are used as the basis for classification rules. Smart Content Classification ensures that rules are applied across all new pieces of content; based on the metadata tags identified by the engine, relevant FileCloud policies are applied (including user/group access permissions, data leak prevention, retention, and external file sharing limitations).

For example, a lab manager at a pharmaceutical company may want to ensure that the names of study participants in clinical trials are flagged in documentation to ensure this PII is never publicly shared.

The manager can create an automated classification rule in FileCloud that restricts public file sharing for any files containing PII, specifically first and last names.

Once the rule is implemented, any new files uploaded to the lab's team folder

will be scanned (both metadata and content inside the file) that matches the PII pattern. If this pattern is detected, the engine will tag the file with the metadata for PII and apply a file sharing policy that restricts public sharing. The lab manager can verify the rule is performing as needed in the testing playground before deploying in the FileCloud environment.

