FileCloud's Unique Web-Browser DRM Protection

Solution Brief

FileCloud's New Secure Web Viewer Makes Protecting Sensitive Data Easy.

DRM serves as a critical tool in protecting sensitive data, proprietary information, and valuable intellectual property. It provides a secure framework to control access, usage, and distribution of digital assets within and outside the organization. DRM helps prevent unauthorized sharing of confidential documents, trade secrets, and proprietary software, reducing the risk of data breaches and intellectual property theft.

This security mechanism not only safeguards the company's competitive advantage but also ensures compliance with regulatory standards and contractual obligations. Additionally, DRM solutions often offer granular access controls, allowing enterprises to tailor permissions based on roles, departments, or specific user requirements, thereby enhancing data security while enabling efficient collaboration within the organization.

FileCloud has created a Secure Web Viewer that is easy and quick to use, while still protecting sensitive information.

Quick and Easy

FileCloud's Secure Web viewer is an accessible DRM protection that allows sharing and previewing of documents in-browser, without the need to download a native client. This means that even the least technical end-user can send and receive DRM-protected documents directly through their FileCloud portal.

Sharing without Compromising Safety

The primary security provided by the DRM web viewer is the ability to preview a file without exposing the physical file itself. When a file is shared using the Secure Web Viewer, whoever the document is shared with never actually has access to the full document. They can only view the file, and re-distribution is not possible.

Furthermore, users can share the file with limited visibility – recipients can use their cursor to roll over sections of the document to read, while the rest of the file is obscured. This DRM protection ensures that even when the file is being viewed, information exposure is minimized.

Secure Web Viewer Benefits At-a-Glance

Securely Sharing Documents

• Protect sensitive information and preserve file security

• Collaborate without actually giving full access to protected information (file not downloaded to local machine or recipient cloud folder).

• Restrict document viewing (only show a portion at a time).

Ease of Use

• No need to download a native client.
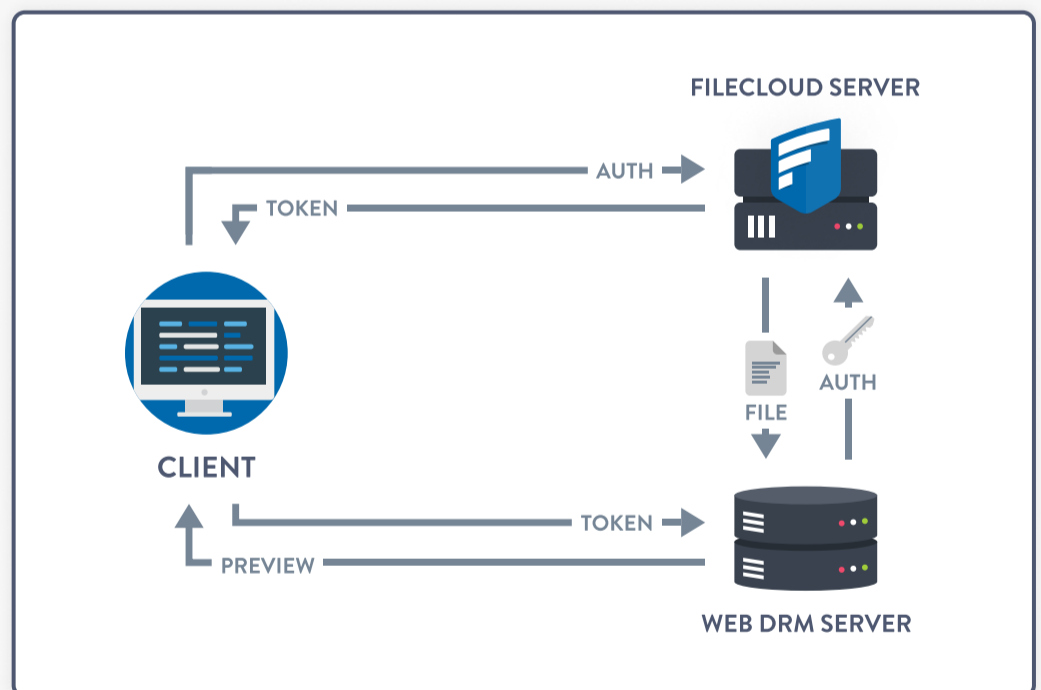
• Secure Web Viewer for the least-technical end user.

Secure Web Viewer Benefits At-a-Glance

✓ Secure viewer with DRM protection via web

✓ Ensures that recipients never have access to the full document

✓ Small, light-weight file viewer

How it Works

The Secure Web Viewer is facilitated by the Web DRM server, which obtains the physical copy from the FileCloud Server, then previews the file to the client without sharing the physical file itself.

Preview of files (without giving away a physical copy) is achieved by converting a document into a series of videos that are streamed on-demand through the Secure Web Viewer (client).

FILECLOUD SERVER

AUTH

TOKEN

CLIENT

FILE

AUTH

TOKEN

PREVIEW

WEB DRM SERVER

When Protected View is enabled, the videos are additionally segmented into smaller parts, allowing even more restricted viewing and streaming of information.

PDF → IMAGE → SEGMENTED IMAGES → SEGMENTED VIDEOS