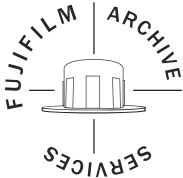


**FUJIFILM**  
Value from Innovation

**Fujifilm Archive Services**

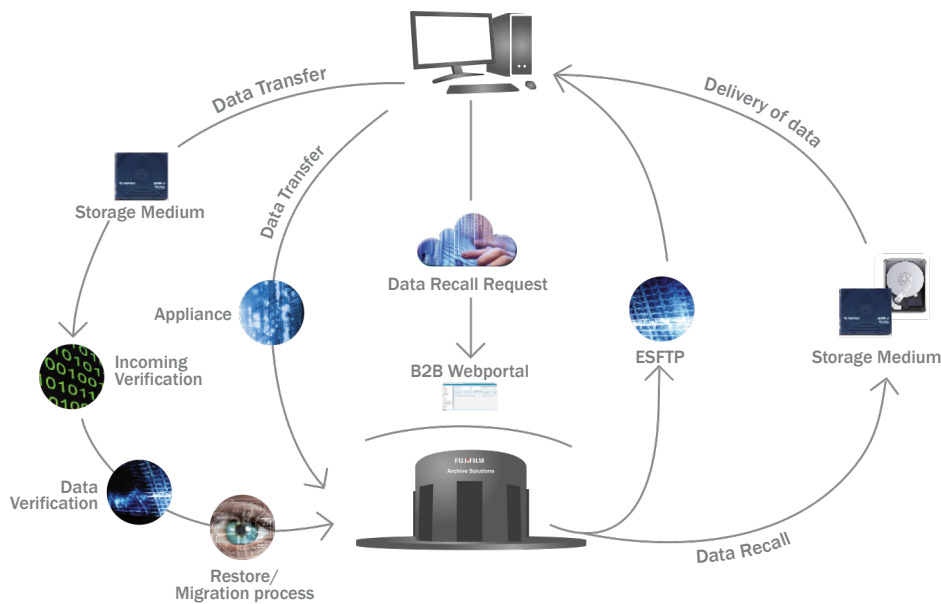
The High  
End of Archiving

Come and Visit our Island of Data



As easy as  
— you want  
it to be

Fujifilm Archive Services can make your business life easier. With the full automatic Archive Services you can concentrate on your core business. Furthermore, no floor space is required and you won't find higher security standards for your data.



Fujifilm Archive Services

Install it and  
forget it —

If a Fujifilm Appliance user wants a full automatic mode, they should choose the passive mode. The passive mode is a fully automatic archiving mode that is used to archive data directly from your server with a provided NFS or CIFS share. Only servers that are registered in the web interface will be accessed.

*Once installed, you no longer  
need to spend time archiving!*

In active mode, the appliance is configured as a storage destination. Each user manually or automatically saves the data to be archived in the internal memory of the device. This internal memory can also be used as a NAS. Both modes can be used at the same time.

# Fujifilm Archive Services



As the leading tape manufacturer, Fujifilm Recording Media sets new standards for archiving. The extraordinary high level of security, strengthened by the isolated archiving core, is enhanced by the fact that Fujifilm Archive Services are very easy to use with their automatic backup mode. The way in which the data is saved means that a migration is no longer required. Fujifilm has accumulated decades of experience in data archiving. With the initial idea that users are essentially looking for an easy-to-use solution that is secure and sustainable, the Fujifilm technical team was able to develop the concept, service and the software according to the needs of all types of users. The Fujifilm data centre is located in the Lower Rhine Region, in Kleve, and is therefore subject to the strict German data protection laws.

The highest  
—— security standard  
you will find with  
archiving solutions

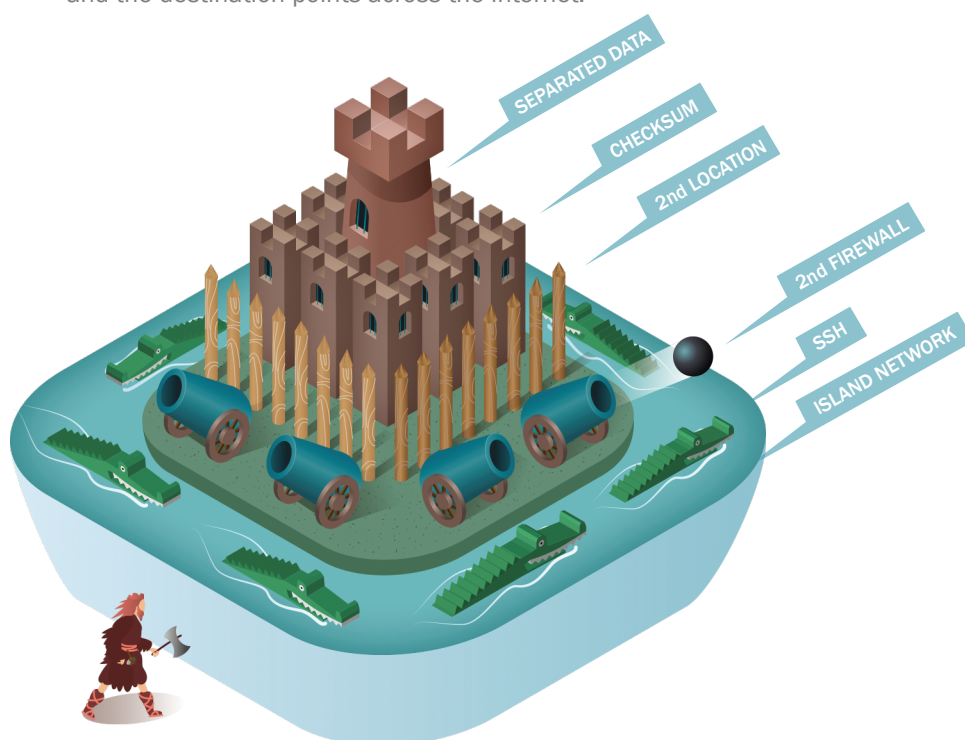


## Our archive is an island –

We isolate the Fujifilm data centre from any network by securing the core within perimeters protected by special ID cards check, CCTV surveillance and biometric lock release. As a result, our customers' data is protected against external threats such as hackers, viruses or even physical intrusion. This is why the user will only see the list of their data on their web portal and when they request their data, it will be retrieved and carried out of the archive perimeter and sent to the user.

# Puzzling — transfer protocol

The development team at Fujifilm installed the highest security setting of the **SSH encryption** (Secure **S**hell) to secure the data transmission on the internet. In order to protect the data against Man in the Middle attacks, the data is sectioned in 100 MB blocks and sent in separate encrypted connections. The data will then transit via different paths between the origin and the destination points across the internet.



## Your data – your tapes

No matter how much data is stored in the Fujifilm Archives, the data from one customer is **never mixed** with the data of another customer. The data from two different users would never be kept on a single tape cartridge to prevent any possibility of a mistake occurring.

## Checking the data's fingerprint

The checksum is a system that allows the storage system to compare the file that needs to be saved with the original file sent by the customer's server. If the checksum discovers an anomaly, it requests that a new copy of the data is sent from the server until the file to be saved is the exact copy of the original file.

## Bombproof – second-backup

When designing Fujifilm Archive Services, Fujifilm rehabilitated a former military bunker not just for storing the second set of archiving cartridges, but in order to have a second data centre. This 2nd location contains a tape library, a second set of cartridges, their database, and all data delivery functions required when data recalls are requested by users. Should anything happen to our main data centre, the Fujifilm team will still be able to respond to any data recall requests from this second location.

## Hacker – approved firewall

The Fujifilm data centre is protected by an additional firewall developed in-house. It has been tested by a hacker community before installation. Every three months an external company is charged to perform a vulnerability test of the installation.



## Data recall – as simple as online shopping

Deletion orders or data requests can be placed via the web portal. Once the key user sends the signed form to Fujifilm the data is made available via ESFTP server or storage medium (tape, disk, USB). With a standard **data recall** the customer will receive their data within a few hours.

## Future-proof format

The storage of the data in a **neutral format** ensures that the data can still be opened easily in the future without having to buy extra software licenses. That way no migration work is needed to read the data.

## Wish-fulfilling services —

As the entire process has been implemented and maintained by our own Fujifilm technical team, the services of Fujifilm Archive Services can be **completely customized** to each company's requirements. Whether pure migration or long-term archiving, for a medium-sized enterprise or a large corporation with different locations, Fujifilm can make everything possible in the fields of archive services.

Our ISO 27001 certification also enables users to extend their audit to the Fujifilm data centre.

# What happens if...

## ...a travel agency wants to use — the internet

A start-up travel agency wants to archive their data directly with a cloud solution. For this purpose, the appliance offer from Fujifilm would be the answer. In this case, an appliance is installed at the company, which sends the data to be archived to the Fujifilm data centre. The user can choose how actively they would like to handle his data. In active mode, the appliance is configured as a storage destination and manually or automatically saves the data to be archived in the internal memory of the device. In passive mode, the appliance automatically searches the previously selected directories and submits the data to Fujifilm according to a predefined schedule.

## ...a bank wants to send the data on storage media

A Bank wants to transfer its existing tape archive to the cloud and archive its new data through the appliance solution. Since they no longer need their own hardware, Fujifilm takes over their tape libraries. The Bank currently stores 12 PB on 5000 LTO6 tapes, which are transported via high-security transport to Kleve. Here, they are first checked for external integrity and completeness, before they're read with the help of a DC Analyzer that recognizes whether tapes are faulty. Further tests are performed in the library, such as which software was used. Subsequently, a database is created on whose index the user has access to in the future. The data is then written to tapes in neutral format and stored in the Fujifilm data centre.

## ...a post production company — only needs its data migrated

A post production company wants to move from an LTO data archive to the IBM 3592 enterprise solution to future-proof their archive while reducing the number of tapes. However, due to their workload, they do not have enough resources to migrate 3,000 LTO6 tapes in-house. The company can send their existing storage environment, tapes and libraries, or just their tapes, to Fujifilm. The tapes are first checked to see if they are working properly and the barcode is readable. Then the Cartridge memories on the RFID chips are read out with the Fujifilm DC Analyzer. This will provide a tape diagnostic. Further tests, such as which software was used for storage, are then performed in the library before the data is then saved in a neutral format and stored on the enterprise tapes. Since the company has sufficient storage space, storage at the Fujifilm data centre is not required and the tapes are returned.

Install it  
— forget it  
Enjoy!



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Recording Media SBU