



# LONG-TERM TAPE-BASED ARCHIVING

*fast – secure – economical*

July 2025

## WHY WE ARCHIVE TO TAPE

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LTO archiving solutions are renowned for their high volume and fast speeds, making them the most reliable options in the industry. They offer rapid and secure access, ensuring data availability for up to 30 years, while being both portable and universally readable.



# WHAT IT IS

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- Linear Tape-Open (LTO-8) tapes offer high-density magnetic storage, with a capacity of up to 12 TB natively or 30 TB when compressed. For reliability, native archiving is recommended. Under optimal storage conditions, these tapes can have a service life of up to 30 years.
- The tapes can be sent directly to the customer for local storage, while RoDo Works retains a copy for potential reloads.
- With the LTFS format, the database is stored directly on the tape, allowing customers to restore their data independently at any facility that can read the LTFS format similar to a disk.

# WHY IT IS BETTER

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## SUPERIOR TO DISK STORAGE

Disks are not a reliable option for long-term archiving due to their insecurity and susceptibility to defects, particularly when infrequently used. The only truly secure alternative is cloud storage; however, it requires dependency on service providers and can become costly for storing large volumes of data.

## SUPERIOR TO CLOUD SOLUTIONS

Cloud solutions can be hindered by slow performance, which is dependent on internet connectivity, and can incur significant costs, particularly when handling large volumes of data and frequent reloads. **Our archiving solution does not incur any subscription costs or monthly fees.**

# HOW IT WORKS

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## **DISK / FTP WORKFLOW**

The data is copied to our servers using transfer software with checksum verification to ensure data integrity. From there, the data is archived on LTO and LTFS.

## **RAID-Disks / NAS WORKFLOW**

Your RAID Disks / NAS is attached to our network, writing data directly to LTO and LTFS without passing through our servers.

## **OPTIONS**

- **Secure option**

The LTO is securely archived at RoDo Works, and the customer also receives a LTFS copy for their own storage.

- **Simple option**

The LTFS is given directly to the customer, with no copy at RoDo Works.

**RoDo Works prioritizes data safety and always recommends our secure option. We offer professional storage with alarm-protected premises and password-protected IT infrastructure. Reloads are guaranteed for up to 10 years.**

# ARCHIVE PRICING

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## ONE-TIME ARCHIVING UP TO 10TB

Service	Details	Cost	Includes
One-time archiving <b>up to 10TB.</b>	Data from external medium to LTFS.	<b>500.00 CHF</b>	No backup at RoDo Works. Index is stored on Tape. Shipping not included.
One-time archiving <b>up to 10TB.</b>	Data from external medium to LTO (at RoDo Works) + clone on LTFS (to customer).	<b>1250.00 CHF</b>	Includes backup at RoDo Works and reload possibility <b>up to 10 years</b> by our staff.  Shipping not included.

## RECURRING ARCHIVING WITH ARCHIVE INDEX AND DATABASE

for the first terabyte (TB) 200.00 CHF, for each additional TB 100.00 CHF

Service	Details	Cost	Includes
Set-up fee.	One-off fee for data import, structure and LTO placement.	<b>500.00 CHF</b>	Archive index, index access and database.
Archiving costs per session.	<b>up to 1 TB</b>	<b>200.00 CHF</b>	Includes LTO and clone.
Archiving costs per session.	<b>up to 3 TB</b>	<b>400.00 CHF</b>	Includes LTO and clone.
Archiving costs per session.	<b>up to 10 TB</b>	<b>1100.00 CHF</b>	Includes LTO and clone.
Archiving costs per session.	<b>More than 10TB</b>	<b>Contact us for bulk rate pricing.</b>	

# ARCHIVE RESTORE PRICING

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## ARCHIVE RESTORE PER OCCURRENCE

Restored media is delivered via FTP (up to 1TB) or on disk.

**Prices for physical media and shipping are not included.**

for the first terabyte (TB) 150.00 CHF, for each additional TB 50.00 CHF

Service	Details	Cost
FTP Set-up fee.	One-off fee for first implementation of FTP access.	100.00 CHF
Data restore costs per session.	up to 1 TB	150.00 CHF
Data restore costs per session.	up to 3 TB	250.00 CHF
Data restore costs per session.	up to 10 TB	600.00 CHF

# EXTRAS PRICING

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## ADDITIONAL SERVICE FEES

Service	Details	Cost	Note
Disk handling fee.	Applies to each disk. The first disk is free.	100.00 CHF	Reduce cost by consolidating your data onto fewer disks.
Data clean-up.	If your data contains special characters* (i.e. *, /, \$ , etc.) we will contact you with a workload estimate.	100.00 CHF/hr.	Reduce potential cost by cleaning your data before delivery.

# ADDITIONAL SERVICES

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## **MIGRATION AFTER A DECADE**

Upon request, data migration can be arranged after approximately ten years for a nominal fee. This policy also ensures that we guarantee data retention for a minimum of ten years.

## **FUTUREPROOFING**

The storage capacity approximately doubles every 2-3 years. As a result, considerably more data can be stored on a single tape in the future. During a future migration, it might be possible to fit 10 older tapes onto one new tape.

## **ACCESS TO INDEX**

The customer is provided with attended access to the table of contents (index) of the archived data for a straightforward overview and targeted retrieval.

## **RELOAD SERVICE**

A data reload service is available for an additional fee, based on the volume of data to be reloaded. All services are available for a minimum of ten years from LTO creation.

## **ACCESS TIMES**

Currently, the service is available during regular business hours. 24/7 unattended access may be offered in the future.

## **SPECIAL CHARACTERS**

Special characters can cause issues during archiving. In the worst case, files may not be archived.

# TERMINOLOGY

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## **LTO (Linear Tape-Open)**

The database is stored at RoDo Works Ltd. For a reload, the customer either needs to return with the tape or the tape must already be in our possession. This process also depends on the software being used.

## **LTFS (Linear Tape File System)**

The database is stored on the tape, allowing customers to restore data at any compatible facility, similar to using an external hard disk.