FAST LTA

Customer Case Study | Silent Bricks | Medical Backup and PACS Archive

How Clinique de La Source replicates backups and stores medical images immutably

The clinic in Lausanne updated its backup strategy as the volume of patient and imaging data continued to grow. A second, independent storage system was needed to receive full backups, while PACS files also required immutable archiving. Silent Bricks fulfil both roles alongside Rubrik, Visus JiveX and Telemis.

Two storage requirements in one growing environment

Clinique de La Source uses digital systems for healthcare processes and medical imaging. Higher image resolutions and new equipment increased the volume of data. The existing backup storage was difficult to expand. The IT team therefore wanted a new backup setup with an independent destination for copies from the Rubrik appliance. At the same time, PACS data needed to be stored immutably for audit purposes.

The clinic operates three data centre locations, one of which is outside the clinic. Many applications run in a virtualised environment on Nutanix. Visus JiveX and Telemis each play a role in processing patient and imaging data. The storage solution had to fit into this existing architecture and allow room for further growth.

The experience?

“The Silent Brick system worked excellently with the Rubrik appliance from the very beginning.”

Etienne Marchand, Head of IT at Clinique de La Source



Photos: Clinique de La Source, Lausanne (Switzerland), April 2022

COMEX

Rubrik for daily backups, Silent Bricks as a second destination

Together with Swiss integrator Eurebis, the IT team designed a new strategy in 2020. Daily incremental backups are initially kept locally on Rubrik. After thirty days, full backup sets are replicated to the Silent Brick System and archived there. This gives the clinic a second storage system for these sets, separate from the primary backup appliance. According to Head of IT Etienne Marchand, the integration between Rubrik and Silent Brick worked well from the beginning.

For PACS data, the clinic uses WORM modules within the same Silent Brick platform. In the described workflow, radiological data and scanned correspondence are stored in JiveX; files from imaging procedures are also stored in Telemis. After thirty days, these files are deleted from JiveX and retained only through the Telemis archive, so they are not stored twice there.

One expandable platform for two tasks

The configuration combines SecureNAS modules for the backup destination with separate WORM modules for archiving. In 2022, Marchand reported that nearly 80 TB of data could be archived immutably. At the time, the team expected the capacity to be sufficient for the next five years.

Eurebis advised on and implemented the storage solution together with the clinic. For the IT team, expandability was particularly important: new capacity can be added without forcing the two different storage requirements into a single workflow.