National Library of Latvia

Challenge

One of the primary functions of the National Library is the preservation of Latvian cultural heritage, which involves the digitization of books, periodicals, films, etc. The previous infrastructure solution could not provide adequate data storage capacity and large-scale data searching was slow and difficult to automate. The existing vendors could not efficiently adjust the services to the new requirements.

Solution

- FLEX Cloud implemented for digital high-definition multimedia archive storage.

- Tailored data indexing solution for automation of information searching.

- Local 3rd level client support that could provide fast tailoring to the client's needs.

Products and services

Platform:
OpenStack Train release with CEPH and SWIFT/S3 object storage.

Operating system:
CentOS Linux 7.

Hardware:
17 Dell R740, 8 HPE, 18 SuperMicro, 2 Lenovo servers.
Data indexing solution:
ContextPrime.

Backup duplication solution:
Storware vProtect, Dell Networker.

Trainings:

FLEX Cloud trainings for IT administrators.

Results

- Data storage: >1PB.

- Data extraction and search time reduced multiple times.

> We understood that the whole infrastructure needs to be revamped and set up with a larger goal than just storage of specific data or computing power. DATI Group was ready to tailor the solution to our needs – it was crucial to have exactly what we needed rather than what was offered by a vendor.

Jānis Freimanis
Director of the Technology Department, National Library of Latvia

Why "DATI Group"

- Ability to provide a tailored solution for data storage, backup, and data searching.

- FLEX Cloud infrastructure is easy to develop and improve over time.

- FLEX Cloud was financially significantly more beneficial than alternatives.

- Local support.