Latvijas Pasts

Challenge

The branches of Latvijas Pasts (Latvian Post) provide postal services to people all across Latvia. In 2015 a new data duplication management and automation system was needed when a new nationwide cash payment system was introduced. The system had to serve 506 cash registers and provide fast, secure, and regulation-compliant information storage.

Solution

- Centralized cash register data duplication, data storage with triplication using the client's existing physical infrastructure.
- Data storage and integrity check of local and centralized data.
- Automatic registration of cash register operation annulment.
- Data backup monitoring.
- Secure network connection between cash register systems and the database.
- Encrypting data-at-rest and in-transit.

Products and services

Platform:
OpenStack Queens with SWIFT object storage.

Operating system:
CentOS Linux 7.

Hardware:
3 repurposed HP servers, each with one CPU; 16 GB RAM; 4 SAS HDD with at least 1,8 TB.

Backup solution:
virtual machines GlusterFS out of cloud and Fedora Linux with Duplicity.

Trainings:
IT system administrator OpenStack trainings and usage presentations.

Results

- 5 years of convenient and secure cash payment registration across Latvia.
- Data storage of local and centralized data with accessibility 99.9% of the time.
- A successful integration with existing payment system.

The technical solution and "DATI Group" as the chosen implementation and management partner meets the demands of the project fully. The implementation process was carried out professionally, the day-to-day management and collaboration is easy and reliable.

Arnis Gulbis IT director, SJSC Latvijas Pasts

Why "DATI Group"

- "DATI Group" offer was the most economically beneficial and met all the project's requirements.