

Victoriabank

Data Centre infrastructure modernization.

A few years ago, the Victoriabank management decided to pass to new and basic applications and services, which required the construction of a new generation IT infrastructure supporting modern technologies like Information security, Big Data processing and Mobile technologies.

Implementation

S&T Mold proposed to modernize the data processing centre of Victoriabank by implementing a distributed corporate data warehouse on the modern platform HP 3PAR StoreServ 7000. This project represents a "new IT style" and was successfully carried out by bank IT department team and the S&T Mold professionals, who are highly competent in applying innovative solutions created by the leading software and hardware producers: HP, CISCO Systems, ORACLE, VMware and Microsoft.

The project was carried out on the HP ProLiant Blade G9 server platform, representing the HP innovation ideology in the computing branch. The Blade server architecture provides software scalability, compactness, enables simplifying maintenance significantly, and integrates server and OS virtualization systems, accessibility and disaster recovery systems.

Applying HP Virtual Connect technology enables server profiles migration, which allows, if necessary, transferring the system and applied software on another server transparently on the application and the external network infrastructure. The system monitoring the HP Insight Control functioning enables easy management of lots of servers and automatize recovery processes occurring due to hardware or software errors.

The powerful virtualization functions initially set in the architecture of the flagship range of HP 3PAR StoreServ 7000 data storing systems make them a perfect platform to service cloud computing, requiring fast and flexible identification of disk space for a large number of virtual machines. The created system enables processing information stored in data blocks, files or data objects. The project uses a single, simple and administrative management console for all the HP 3PAR StoreServ Storage data storage systems situated in geographically remote locations of the client. The possibility of interactive import simplified data migration from the acting HP EVA data warehouse.

The project consisted in setting out an automated data backup integrated system under the management of the HP Data Protector program package. Such solution enables creating a single platform that guarantees interrupted working of all the Victoriabank IT



Victoriabank became the first bank in Moldova to implement the international payment system VISA and issued the first bankcard. The bank constantly follows the latest innovations and implements high-tech services requested on the financial market of the country. Having multiple subsidiaries and agencies, including ones working 24 hours, Victoriabank needs a modern infrastructure ensuring guaranteed high-speed access to information any time by means of any devices, regardless of users' location.

"The S&T Mold, a leading system integrator in Moldova, has successfully implemented, in a very short time, a project on the implementation of a server platform, HP storage and data backup systems and CISCO network infrastructure, intended for the creation of a new Victoriabank data centre. This will allow increasing the number and improve the quality of services provided to our customers, including the owners of payment cards of international payment systems Master Card and VISA," – Head of the Victoriabank Information Technology Department, Mr Lilian Semenov said.

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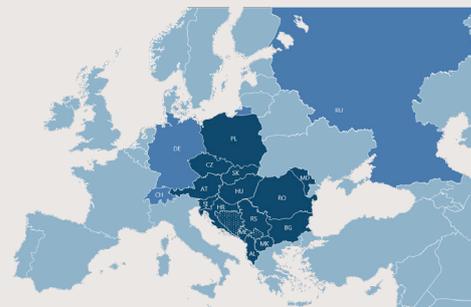
systems 24x7. HP Data Protector has a flexible architecture carrying out different data protection scenarios.

The network infrastructure, based on innovative intelligent control technologies, protection and energy conservation was upgraded in conjunction with the CISCO leading engineers. As a result, Victoriabank received a scalable, reliable and highly automated solution that enables building a fully connected corporate data transmission network based on different communication channels, including the Internet.

Outcomes

The successful modernization of the Victoriabank data centre and the implementation of a distributed corporate data warehouse on the HP 3PAR StoreServ 7000 modern platform allowed to:

- significantly improve the performance, scalability and reliability of the entire IT-infrastructure;
- switch to a failover, high-availability data work mode and at the same time backup the database repository;
- remove restrictions on the software system data warehouse performance and increase the requests for building analytical reports' complexity level;
- remove restrictions on the software system repository performance by using SLC SSD fast data storage devices and HP 3PAR software tools;
- reduce the maintenance and exploitation costs by extending the equipment warranty period and updating the software versions up to 5 years.



S&T was established in Moldova in 1995, as a company representing the Austrian company S&T System Integration&Technology Distribution AG.

Today S&T Mold is a leading provider of IT solutions and services on the Moldovan IT market, as part of the S&T international group of companies that also operates in the Central and Eastern Europe and in the CIS.

S&T Mold provides customers with comprehensive high-end solutions, including those provided by our strategic partners - leading corporations, such as Hewlett-Packard, Cisco Systems, Microsoft, Oracle, VMware, EMC, Barracuda, Check Point, and APC.

We provide system integration services, including:

- consulting;
- development and project management;
- solutions implementation and commissioning;
- user training;
- warranty and post-warranty service.

We have years of experience and a balanced product portfolio, and can therefore come up with the best IT solutions for financial and communications companies, public agencies, industrial companies and retail networks.