

Time-saving, disaster resilient backup for open systems

## HVB Luxembourg invests in security for the future with CentricStor



» CentricStor provides a unique combination of the advantages of disk and tape backup. «

Romain Risch, Director IT Operations, HVB Luxembourg

### → The challenge

**Around-the-clock operation** – production and application availability with no downtimes

**Faster, simpler backup** – redundant backup to two data center locations to ensure business continuity

**Efficient management of the growing volume of data** – flexible, scalable solution to support new product lines, a growing customer base, and mergers

### → The solution

Long-term disaster resilient storage of customer records and operational data, efficient management to accommodate explosive growth in data volume and business continuity are important issues for any bank. HVB Luxembourg has addressed these issues and found the solution to the problems they present – **CentricStor from Fujitsu Siemens Computers**. With cache mirroring and its dual-save function, CentricStor Grid Architecture lets HVB Luxembourg carry out daily incremental backup of 3 terabytes of uncompressed data from productive operation to two data center locations in parallel in less than four hours. The bank also benefits from the many other advantages of the virtual tape solution, such as, for example, fast data restore, exceptional scalability, and complete protection against system outages.



HVB Luxembourg can look back upon 30 years of successful activity in the financial sector. With some 380 employees, the Grand Duchy's fourth-largest bank offers private and corporate clients a complete array of services, including everything from asset management to credit facilities and commercial transactions. More at: [www.hvb.lu](http://www.hvb.lu)

### → Solution components

- CentricStor Virtual Tape Appliance for redundant backup to two data center locations
- System environment: open systems environment with Windows and Unix servers requires backup functionality for over 15 TB of data
- Backup with NetWorker from Fujitsu Siemens Computers, including NSR-DBM-ORA module for protection of several Oracle® databases
- Tape libraries at both data center locations: Sun StorageTek L1400 with LTO-3 tape drives

### → Customer benefits

- Redundant data protection of the open systems environment to two data center locations within a minimum time window
- Benefits of disk-to-disk-to-tape functionality for fast backup and restore
- Automated management of tape storage infrastructure
- High investment security since CentricStor features exceptionally flexible scalability and supports all server and tape technology in use

### → The project

HVB Luxembourg has always been the Grand Duchy's technology leader when it comes to the use of innovative backup and storage solutions. However, the bank's IT team was faced with a special challenge in 2005. The bank's customer base had grown significantly and new lines of products and production applications had been introduced that had to be available without interruption throughout the day. As a result, the already short time window for backup had to be reduced even more. The use of NetWorker cloning for redundant tape storage in two data center locations involved a time-consuming two-step procedure, which represented one of the issues that had to be addressed. However, the team headed by Romain Risch, HVB Luxembourg's Director IT Operations, quickly found the ideal solution to this problem in CentricStor tape virtualization: "CentricStor's incredible flexibility convinced us immediately. The solution combines the benefits of fast, easy-to-manage disk-to-disk backup with the cost advantages and longevity of tape." HVB Luxembourg's production and disaster recovery data center now uses CentricStor's dual-save mode for data backup to ensure business continuity. As a result, parallel incremental backup of more than three terabytes of data from the entire Microsoft® Windows® and Unix® environment to the Sun StorageTek tape libraries of the bank's two data center locations now takes less than four hours. In addition, data from the two preceding days remain in the CentricStor cache so that applications can recover the latest data within a very short time.

### → A record of success

"We have significantly simplified and accelerated backup operation and, at the same time, made the entire process much more efficient," is how Romain Risch sums up the successful outcome of the project. HVB Luxembourg now manages over 20 terabytes of data in its storage area network. Since UniCredit, HVB Luxembourg's parent company, acquired Bank Capitalia in 2007, this volume is expected to increase considerably in the foreseeable future. For HVB Luxembourg's Romain Risch, this doesn't represent the slightest problem: "CentricStor is a future-safe investment; it features excellent scalability that allows backup infrastructure expansion at any time, without any interruption of production."

### → Contact

Fujitsu Siemens Computers  
Customer Interaction Center  
Mon. – Fri.: 8:00 a.m. – 6:00 p.m.  
Email: [cic@fujitsu-siemens.com](mailto:cic@fujitsu-siemens.com)  
Phone: +49 (0) 1805-372 100 and  
+49 (0) 1805 FSC 100

(each call 14 ct/min.; the prices for calls made from mobile devices can vary from this rate)

Fujitsu Siemens Computers GmbH,  
Mies-van-der-Rohe-Strasse 8, D-80807 Munich,  
Phone +49 (0) 89 620 60-0  
[www.fujitsu-siemens.com/casestudies](http://www.fujitsu-siemens.com/casestudies)

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