

CentricStor in the European data center of Océ Printing Systems

Océ optimizes data protection throughout Europe with virtual tape technology



»CentricStor and NetWorker backup software not only let us achieve significant improvement in data protection for our European operations, but is also more economical.«

Sebastian Hohentanner, Group Head SAP Base/Data Center Services, Océ Printing Systems GmbH

→ The Customer

Océ Printing Systems
GmbH, Poing/Germany

www.oce.com

→ The Project

Consolidation of data
protection for all
European Océ loca-
tions at central data
center location

→ The Solution

Uniform automated
tape processing for
mainframe and open
systems environment
with CentricStor
Virtual Tape Appliance
and NetWorker backup
software

Océ enables its customers to deal effectively with information, and of course the company consistently uses innovative technology to build on its own competitive advantages. The most recent example involved deployment of a seamless solution for central data protection based on virtual tape technology from Fujitsu Siemens Computers. The modular solution features the CentricStor Virtual Tape Appliance and NetWorker backup software from Fujitsu Siemens Computers, which Océ Printing Systems has used to make data protection service more economical and more reliable for all of its European locations while boosting performance at the same time. Since Océ operates a heterogeneous environment with over 300 systems, the company

now especially benefits from the unique capability of CentricStor for cross-platform consolidation of tape processing.

High-end technology for document workflow

Océ ranks among the world's leading providers of systems and services for digital printing and document management systems. Océ systems allow professional users to achieve more effective organization and management of their document workflows. The company maintains sales and service locations in over 30 countries that serve some 80 national markets. With a workforce of about 24,000 employees, Océ generated 2005 revenues in the amount of approximately € 3.1 billion.



Benefits for Océ

- Seamless centralized data protection in a heterogeneous system environment for all European Océ locations
- Reliable automation with centralized resources
- Significant reduction of work required for administration of tape processing
- Appreciable savings in mainframe area
- Short time window for data protection in open systems environment
- Simple scalability to handle steady increase in data volume

The solution at a glance

- Consolidated tape processing in heterogeneous environment for all BS2000, MVS, Windows®, Linux® and Unix systems
- CentricStor Virtual Tape Appliance together with two ADIC Scalar i2000 tape libraries distributed over two separate fire zones
- Data protection software: NetWorker backup solution from Fujitsu Siemens Computers
- Planned: Two-location strategy with automatic failover and cache mirroring of two CentricStor systems

The challenge: Consolidation of data protection in a heterogeneous system environment

Océ uses a high-performance IT infrastructure to maintain workflow efficiency. For example, several BS2000 and MVS systems control the company's automated production lines, development activities and testing. In addition, more than 300 servers in an open-systems area handle SAP® applications and Oracle® databases as well as e-mail and CAD programs. Up to now, Océ has been using island solutions for data protection. These included outmoded tape virtualization for mainframes and NetWorker backup for open systems, both of which were directly linked with tape libraries using older tape technology. Since the performance of the solution in the mainframe environment was unsatisfactory, the customer decided to introduce the CentricStor Virtual Tape Appliance. "CentricStor is the only solution that permits cross-platform consolidation of tape processing," says Sebastian Hohentanner, Group Head SAP Base/Data Center Services with Océ Printing systems. This was a benefit that paid off quickly since the company decided to centralize the data centers of the European Océ locations in early 2005. "This made further consolidation of the application environment and data protection inevitable," says Hohentanner in retrospect.

The solution: Centralized storage

With CentricStor and the NetWorker backup solution used for open systems, Océ was prepared for the change. In order to be able to handle the increase in volume resulting from the centralization of data protection, the CentricStor Virtual Tape Appliance was expanded with 5.1 terabyte tape volume cache and 128 virtual

tape drives. The system is linked with two distributed tape libraries to which data are backed up in the dual save mode with automatic creation of a duplicate of tape by CentricStor. The open-systems environment is also integrated into the data protection concept. Within the disk-to-disk-to-tape architecture all data from the NetWorker server cluster are written to the virtual tape drives of CentricStor. CentricStor immediately migrates these data from the disk cache to physical tapes.

Reliable protection of all company data

Despite the higher data volume, Océ was able to achieve significant improvements in data protection. Replacement of the previous virtualization solution for mainframes and centralization of data protection with a single, uniform concept resulted in an appreciable reduction in costs. An analysis showed that the savings were enormous, in particular in the case of the mainframes: With conventional data protection solutions, the mainframes were generating 80% of costs although they provide only 20% of the data. CentricStor nearly eliminates these costs and at the same time reduces the workload of both the systems and administration. The improvement in performance in the open-systems environment is also significant and now permits faster backup despite larger volumes of data. Further benefits include automated quality control of media and savings on tape drives and tape cartridges. This all adds up to a significant decrease in administration. Hohentanner sums up the overall results: "Thanks to CentricStor, we can now provide efficient, centralized tape storage and management service for all of our locations and systems economically and reliably."

→ Contact

Fujitsu Siemens Computers
Wolfgang Schröter
Domagkstrasse 28
80807 Munich
Germany
Phone +49 (0) 89 3222-1781
Wolfgang.Schroeter@fujitsu-siemens.com

Fujitsu Siemens Computers GmbH,
Rathausplatz 3-7, D-61348 Bad Homburg,
Telefon +49 (0) 61 72 1 88-00
www.fujitsu-siemens.de/casestudies

SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver und weitere im Text erwähnte SAP-Produkte und -Dienstleistungen sowie die entsprechenden Logos sind Marken oder eingetragene Marken der SAP AG in Deutschland und anderen Ländern weltweit. Alle anderen Namen von Produkten und Dienstleistungen sind Marken der jeweiligen Firmen.

© Fujitsu Siemens Computers, 10/2006, Printed in Germany