

NetWorker from Fujitsu Siemens Computers automates backup and recovery for Oracle databases

ING-DiBa scores with the NetWorker data protection solution from Fujitsu Siemens Computers



» Fujitsu Siemens Computers offers outstanding backup and recovery solutions with its version of NetWorker and CentricStor. «

Bernd Uebersohn, Backup Manager, ING-DiBa AG

→ The challenge

Data protection for Oracle databases – To deploy Oracle Recovery Manager to protect the Oracle 10g Real Application Cluster (RAC) in the Automatic Storage Management file system

Streamlined administration – To permit set-up and administration without specific Oracle database know-how

Seamless integration – To achieve seamless integration of the backup and recovery solution into the existing virtualized infrastructure with CentricStor and the SL8500 library system

→ The solution

Efficiency, speed and economy – those are the benefits that ING-DiBa offers its customers. That calls for company-wide data protection with the same qualities plus maximum reliability. ING-DiBa recently automated backup and recovery functionality for its Oracle databases to boost performance.

Networker Module PLUS for Oracle from Fujitsu Siemens Computers is the solution that made this possible. Oracle Recovery Manager provides automated backup and recovery for Oracle databases, and NetWorker and CentricStor from Fujitsu Siemens Computers complete the protection package. ING-DiBa's Oracle databases can now be backed up and restored online or offline with minimal effort. And ING-DiBa didn't have to acquire any additional specific know-how.



ING-DiBa is Europe's largest direct bank and offers private customers a complete portfolio of financial services. Its core products include current accounts, share dealing, consumer loans and mortgages. ING-DiBa customers benefit from especially attractive conditions since all services are available on the Internet, by phone or by mail. More at: www.ing-diba.de

→ Solution components

- Deployment of Fujitsu Siemens Computers NetWorker Module PLUS for Oracle to back up Oracle 10g databases with Oracle Recovery Manager
- Backup software:
Fujitsu Siemens Computers NetWorker
- High-availability infrastructure distributed over two data centers:
2x CentricStor Virtual Tape Solution,
2x SL8500 tape libraries

→ Customer benefits

- Quality-assured solution with optimum backup processes
- Oracle ASM database backup with minimal administration
- Automation eliminates errors
- Smooth, efficient project implementation

→ The project

Organizations that are faced with burgeoning volumes of data and the need to comply with stringent regulations required in terms of data storage need professional, easy-to-use solutions that can be flexibly adapted to new requirements. ING-DiBa achieved all this and more by partnering with Fujitsu Siemens Computers. The solution consists of a virtualized infrastructure with the CentricStor virtual tape solution, a modular SL8500 library system and Fujitsu Siemens Computers NetWorker for efficient protection of important data. CentricStor is distributed over two data centers to guarantee catastrophe-resistant operation, and data are stored in two SL8500 tape libraries using DualSave. ING-DiBa's overall priority was to achieve seamless integration of protection for its Oracle databases. Since Oracle 10g as RAC is implemented in the Automatic Storage Management (ASM) file system, Oracle Recovery Manager (RMAN) was the only viable option. However, RMAN normally requires specialized know-how and special scripts or programming, but there is a way to eliminate this expense – NetWorker Module PLUS for Oracle from Fujitsu Siemens Computers. The database module provides the interface between NetWorker and the database server, which permits high-performance, easy-to-administer online and offline backup and recovery for Oracle databases. One of the benefits that make this solution so attractive is that extensive Oracle and RMAN know-how is unnecessary since the required RMAN scripts are produced automatically. Scheduled backup is also initiated automatically, and defective databases are automatically restored in the event of inconsistencies. For backup administrators, the big advantage is that they can continue to work with the NetWorker user interface they're used to.

→ Project partner



→ A record of success

ING-DiBa found NetWorker Module PLUS for Oracle to be the optimum way to protect its Oracle-databases online. "Automation of Oracle backup is far from being a routine job and requires close collaboration between the partners involved," says Bernd Uebersohn, ING-DiBa Backup Manager. "Direct contact with Fujitsu Siemens Computers meant that the issues and problems that arose were quickly clarified, which contributed enormously to the success of the implementation. What is also important for us is that the NetWorker database module gives us a quality-assured solution that is compatible with all NetWorker-products."

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