



Fachinformationszentrum Chemie GmbH (FIZ CHEMIE Berlin)
Berlin, Germany
www.chemistry.de

Industry:

Education & Research

Annual Revenue:

US\$12 million

Employees:

90

Oracle Products & Services:

Oracle Database Enterprise Edition
Oracle Text Server
Oracle Real Application Clusters
Oracle Advanced Compression

“We have worked with Oracle Database for many years and the installation of Oracle Database 11g was by far the simplest installation that we’ve experienced. The metrics have consistently exceeded our expectations. The decision to switch to 11g was really easy for us.” – Manuela Atoui, Oracle Database Administrator, Fachinformationszentrum Chemie GmbH (FIZ CHEMIE Berlin)

Fachinformationszentrum Chemie GmbH Improves Information Platform Performance by up to 30%

Fachinformationszentrum Chemie GmbH (FIZ CHEMIE Berlin), the German Technical Information Center for Chemistry, is a nonprofit institute funded by the German federal and state governments. The organization provides high-value technical data and abstracts for science and industry expert , through such products as ChemInform, Infotherm, and Chemisches Zentralblatt.

Challenges

- Meet rising performance demands for processing approximately 70 million documents and a 7 terabyte data volume in full-text online databases
- Update systems to prepare for the sharp increase in both data quantity and number of users over the next few years, due to the rapid expansion of the field of e-book research
- Meet memory requirements to reduce data storage costs in the medium term and expand research capabilities

Solution

- Improved system performance in the test phase by 30% and optimized SecureFiles
- Lowered running times in the test phase from 59 minutes to just 12 minutes with Oracle Advanced Compression
- Reduced memory space to 25% of the previous IT requirements
- Performed a simple migration of the highly complex environment in only three-and-a-half weeks
- Improved performance of the information platform (research database) of FIZ CHEMIE Berlin by an average of 15%, providing a significant benefit for the users
- Prepared FIZ CHEMIE Berlin for the anticipated growth in user numbers for e-book research from the current 1,000 specialists to 20,000 users from universities, research institutes, and the overall industry
- Facilitated numerous new research opportunities to make requests of considerably more extensive scope for users