



Xech S.r.l.
Milan, Italy
www.xech.it

Industry:

High Technology

Oracle Products & Services:

Oracle Berkeley DB

“Oracle Berkeley DB powers our market-leading solution that enables telecommunications operators and ISPs to comply with European Union cyber crime regulations unobtrusively, at low cost, and without having a negative impact on the privacy of end-users.” – Fabio Pierr, Chairman and Sales Director, Xech S.r.l.

Xech S.r.l. Enables Seamless Compliance with New Regulations for European Communications Providers

Founded in 2000, Xech S.r.l. is a pioneer and innovator of tools that monitor the performance of business-critical Web applications for maximum availability, performance, and security. Telecommunications operators and internet service providers across Europe use Xech’s solutions.

Challenges

- Guarantee unparalleled availability, security, performance, and data retrieval speeds for XStore, Xech’s industry-leading solution for tracking and storing call data records
- Ensure XStore can scale to meet anticipated exponential demand growth when the European Union (EU) mandate requiring retention of data from cell phones and the internet becomes law in all 27 member states in 2009
- Reduce hardware, storage, and energy costs for XStore users
- Eliminate the risk and cost of rewriting the existing database to upgrade XStore by using proven off-the-shelf technology while retaining the configurability required to customize solutions to the needs of each customer

Solution

- Chose Oracle Berkeley DB over alternative databases for its smaller footprint, robust feature set, customizable design, lack of complexity, and lower licensing and support costs
- Gained the ability to handle predicted growth in data from 8,000 to 200,000 records per second, a total of 10 billion new records per day, when the EU mandate becomes law
- Embedded Berkeley DB into XStore, completing the upgrade and data migration from the legacy database within three months
- Capitalized on Oracle Berkeley DB’s unrivalled scalability to store CDRs for five years, in compliance with the EU directive
- Leveraged Oracle Berkeley DB’s data partitioning and high speed to enable cyber crime investigators to complete queries accurately, reliably, and securely in a few seconds
- Cut storage consumption by 70% using Oracle Berkeley DB’s efficient data file compression and disk space utilization
- Benefited from Oracle Berkeley DB’s small size to reduce the hardware needed to run XStore by more than 90% and cut energy usage