



Chicago Stock Exchange

Chicago Stock Exchange  
Chicago, IL  
www.chx.com

**Industry:**

Financial Services

**Annual Revenue:**

US\$23.5 million

**Employees:**

110

**Oracle Products & Services:**

Oracle Database  
Oracle Real Application Clusters  
Oracle Application Server

**“With Oracle, we can add capacity without throwing out of or replacing old computers.”**

– John Kerin, Executive Vice President, Chief Operating Officer, and Chief Technology Officer, Chicago Stock Exchange

**Chicago Stock Exchange Improves IT Efficiency and Customer Service with Data Warehouse Infrastructure**

The Chicago Stock Exchange (CHX) provides an auction market for the purchase and sale of equity securities. CHX opened for trading in 1882 and today trades more than 3,500 New York Stock Exchange (NYSE), American Stock and Options Exchange (AMEX), National Association of Securities Dealers Automated Quotations (NASDAQ), and CHX-exclusive issues. As the first floor-based stock exchange to fully automate order transactions, CHX ensures that orders sent to the trading floor are routed, executed, and confirmed in less than one second.

**Challenges**

- Increase capacity and manageability of legacy IT investments, while minimizing the risk of downtime
- Provide a flexible, scalable infrastructure to meet future demands
- Reduce CHX’s IT management and maintenance burden

**Solution**

- Implemented Oracle Database, Oracle Real Application Clusters, and Oracle Application Server to create a highly reliable, scalable, and secure IT infrastructure
- Gained the ability to add capacity rapidly and cost effectively with Oracle Real Application Clusters based data warehouse
- Increased productivity, operational benefits, and customer satisfaction with automated, self-tuning features in Oracle Database and Oracle Enterprise Manager Grid Control
- Simplified the query process and eliminated manual performance management fire drills
- Allowed CHX to continuously improve its IT environment in a seamless, transparent manner—improving overall customer service
- Decreased IT management costs and burden, allowing CHX to refocus resources on high-priority initiatives
- Projected a 171% return on investment within five years with Oracle’s grid computing infrastructure
- Enabled CHX to trade more than 7,700 issues
- Increased terabyte (TB) growth rate by 0.7TB per week, resulting in an estimated increase from 14 TB to 35 TB