

Caitong Securities Company, LTD.

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Pan Feng, Senior Systems Engineer, Caitong Securities

Business Profile

Company Name:
Caitong Securities Co., Ltd.

Headquarters:
Hangzhou, China

Industry:
Securities

Employees:
900+

Business Environment:

- Founded in 1993
- Manages RMB 1.127 billion in capital assets
- 32 business outlets
- 800 employees
- Caitong Securities has received the most prestigious award given to Chinese securities companies

Vision Solutions Product:
Double-Take® Availability

Critical issue

System uptime is a high priority at Caitong Securities as a failure in their asset management system could result in significant losses in the funds they manage. Customers would understandably grow dissatisfied and possibly take their business elsewhere if they sensed an unnecessary level of risk. This would significantly weaken the company's competitive position.

Results

- Every financial transaction is now recorded on multiple servers.
- The potential for downtime has been dramatically reduced.
- Core business applications can be recovered in minutes.
- Almost no data is lost when in unplanned system failure occurs.
- An automatic failover process switches from the production to the disaster recovery server.

Technologies

- Double-Take Availability
- Handsome Electronics Co. Ltd. securities asset management system
- Microsoft Windows, SQL Server, Exchange and SharePoint

Business Challenge

With a sizable volume of customer capital under supervision, Caitong Securities grew concerned over their level of sustainable operational continuity and resiliency. If a serious collapse of their IT infrastructure occurred, Caitong Securities' production process would grind to a halt and result in a marked loss to the funds under their management. Here, maintaining a high level of system uptime while limiting the potential for data to loss near zero became a very high priority.

Caitong's asset management system runs on the MS SQL database platform. In light of data security and application continuity, Caitong Securities wanted to maintain a high level of security while establishing a dynamic failover capability for their entire asset management suite. This would ensure safe and seamless access to the asset management system.

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Solution

After carefully evaluating solutions offered by Symantec, NEC and Double-Take, Caitong Securities chose Double-Take as its business partner because of its expertise in the field of high availability and business continuity.

Double-Take Availability protects data and applications including Exchange, SQL Server, SharePoint, and more enabling Caitong Securities to recover business-critical data that resides throughout their IT environment. It combines continuous real-time replication and full-server failover capabilities for disaster recovery, high availability, and centralized backup.

In addition, Double-Take Availability's STAR (Sequential Transfer Asynchronous Replication) technology is compatible with any database application. This technology guarantees the consistency and completeness between production databases and disaster recovery databases, and facilitates replication services without compromising effectiveness or stability.

To meet the computing demands at Caitong Securities, Double-Take Availability is installed on the primary and backup servers for real-time protection on their MS SQL server and applications, creating real-time replication of data/applications between the two servers. At the same time, it conducts real-time monitoring and failover in accordance with specific settings. An identical configuration as all of the source database servers is pre-configured on the backup server, while the server is inactive. Double-Take is responsible for copying data from all of their database servers to the database backup server in real-time.

After the initial mirror synchronization, the change in data can be copied to the disaster recovery server in an incremental manner, ensuring that the data from the production server is synchronized with the disaster recovery server. If the production server fails, a Double-Take Availability monitoring component on the backup and disaster recovery server will detect the downtime status of source server, launch a failover process and automatically start up the disaster recovery database, rapidly taking over from the source database server and ensuring the relevant services running seamlessly.

"We are really satisfied with the entire solution and now we can take advantage of Double-Take to conduct real-time data replication on the server. Even when a failure occurs, we can recover the entire system within 20 minutes and with no data loss," said Pan Feng, Senior Systems Engineer from Caitong Securities."



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High Availability Disaster Recovery Systems and Data Management