

Double-Take® RecoverNow™ Case Study

China Water Conservancy and Hydropower Press Digital Publishing Center



"Double-Take® provides a highly efficient data backup system that protects our data and increases the security of our entire system, ensuring the smooth operation of our publishing business."

- Yan Xiang, Director, China Water Conservancy and Hydropower Press Digital Publishing Center

Testimonial



Project Background

China Water Conservancy and Hydropower Press (hereafter 'the Press') is a high-level science and technology publishing organization under the auspices of the Ministry of Water Resources. It is one of the 15 "Outstanding Publishing Houses" recognized by the Central Propaganda Department and the Press and Publication Administration. The Press has more than 40 stations and specialist bookstores around China.

This cultural development project aims to combine the Press's professional expertise with e-commerce technology, in order to overturn the traditional model of publishing, distribution, copyright and trade.



Business Challenges

The focus of the project is to use internet technology to overturn the traditional model of publishing, distribution, copyright and trade. The publishing resources and operating systems touched on by this process are many and complex. Furthermore, once the solution is installed, it will be used simultaneously by thousands of people in multiple locations. As a result, the Press needs to find a stable data backup solution that can be flexibly deployed, so as to ensure the continued operation of the project.

In addition, due to budget constraints, the Press needs to find a backup solution for the entire operating system, rather than a piecemeal solution, so as to meet the project's requirements from high reliability, high availability and data protection.

Company name:

China Water Conservancy and Hydropower Press

Headquarters:

Beijing

Industry:

Publishing

Business environment:

Fulfill the data protection and backup needs of the cultural development project

Implementation team:

Townsky Technology

Company Profile



Solutions

The Press has more than 40 distribution centers around China, encompassing thousands of staff and publishing resources. In addition to custom-developed applications, it has seven servers, of which four are application servers and three are database servers. The database servers use Oracle database software, which once online, can be used by over 1000 people simultaneously. As a result, a convenient, stable, yet flexible backup solution is required.

Double-Take RecoverNow combines physical and virtual data protection. It effectively realizes byte-level replication, reducing the impact of data protection on the physical and virtual hosts. It can make use of a limited bandwidth connection for replication, achieving true disaster recovery functionality. No matter what the situation, RecoverNow has a corresponding recovery solution. It uses continuous data protection to recover individual files from any point in time and is accurate to the nearest second. If required, it can easily recover the server to a completely different piece of hardware or an automatically configured virtual server.

Due to the specific nature of the publishing industry, the individual distribution stations are not always familiar with the specific applications of each server, so they cannot take targeted backup measures. During backup, Double-Take RecoverNow can replicate the entire operating system in real time. The solution is easy to operate and configure, and can complete offsite backups for all the servers, making it the ideal solution for this project.

The Press's priority is to find a solution that can flexibly, reliably back up data and perform real-time recovery. The execution of the project will inevitably produce a large amount of complex data; any kind of data loss will produce unforgivable time and data costs. Due to budget constraints, finding a solution that is not only convenient and flexible, but also reduces investment costs, became the top priority. Double-Take RecoverNow has been deployed successfully across a number of industries, including government, finance, manufacturing, business, healthcare and education. Customer feedback has been overwhelmingly positive, particularly in terms of the product's stability and ease of use. The Press finally decided to choose Double-Take as it meets all their specific backup requirements.



Results

- Access to all servers can be restored immediately through failover to a mirrored backup server
- Dramatically reduced probability of data loss
- Support for multiple Windows application environments
- Ensures the safe operation of the water conservancy and hydropower publishing system



Technologies

- Double-Take RecoverNow
- Windows Server Operating System
- Software solution suitable for any application

