

# FUZHOU EDUCATION BUREAU

*"We know that recovering a production server using traditional recovery solutions can be a cumbersome and stressful process. Double-Take Availability provides a better alternative for us – real-time data protection with a streamlined recovery process that reduces the time and effort involved with server recovery."*

Chen Jin, Fuzhou Education Bureau Middle School Recruit Office

## Business Profile

Company Name:  
Fuzhou Education Bureau

Headquarters:  
Fuzhou, China

Industry:  
Public Education

Business Environment:

- Explosive growth in urban population raising school age children
- Strained infrastructure
- Frequent migrations to more powerful systems

Vision Solutions Product:  
Double-Take® Availability

## Critical issue

The Fuzhou Education Bureau needed cost-effective business continuity capabilities so their IT infrastructure could continue to support their rapidly expanding community. A simplified and streamlined migration process was also a priority.

## Results

- Real-time data replication between the main production platform and data warehouse server.
- Automated failovers to backup systems which spare system users long periods of downtime.
- Impressive scalability to support future growth.
- Greatly simplified migrations.
- Better disk space utilization.

## Technologies

- Double-Take Availability
- Multiple servers running Microsoft Windows
- SQL Server
- IBM Disk Array

## Business Challenge

Fuzhou City Bureau of Education is responsible for the city's general secondary education programs, guidance counseling and business management. The city's education system required a resilient IT infrastructure and comprehensive plan to maintain the ongoing growth of their programs. Fuzhou City looked to Beijing Soul Technology, a consulting firm specializing in information management systems for advice. They recommended Vision Solutions as Fuzhou City's technology partner.

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## Solution

Vision's Double-Take Availability solution provides tools that allow the education bureau to attain many of their data management objectives through one company. For example, their business continuity plan required a solution for data replication, failover, high availability and migration. Double-Take Availability provides software to support all of these business challenges.

The implementation of Double-Take Availability has allowed Fuzhou City to protect their operating systems, applications, and data on the two production servers - one being their SQL Server and the other containing all of their examination papers which are saved as jpg files.

They have also deployed one Double-Take Availability server using IBM Disk Array software as storage, thus freeing more disk space and allowing the servers to run more effectively. Double-Take Availability allows them to restore entire servers, including the operating system applications and data—even to servers with different hardware configurations.

In addition to these capabilities, Double-Take Availability is used to migrate established server environments to different hardware. Since Double-Take Availability allows multiple servers to be protected by a single image server and provides near-bare metal recovery to the original server (or to similar or different hardware), migration is a simple process because this requires only the operating system be installed on the recovery server. Since Double-Take is hardware and application agnostic, there is no need to configure applications, hot fixes or service packs on the recovery server.



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High Availability Disaster Recovery Systems and Data Management