



Case Study

DISK2DISK2DISK[®] Technology Simplifies Refinery's Data Security Issues

Flying J Refinery

"The Revinetix disk backup system offered everything we needed to safeguard our critical operating data. The ability to off-line our data without having to transfer it to tape has simplified and shortened procedures more than we imagined."

Kyle Stowell
IT Manager
Flying J Refinery

Background

The Flying J Refinery is an important link in the largest retail distribution chain of diesel fuel in North America. Located in North Salt Lake, Utah, the refinery operates numerous Netware[®] and Windows[®] -based servers that monitor the refinery's daily process activities and performance. Given the dangers of the processes involved in petroleum refining, it is imperative that data be monitored and backed-up routinely. Formerly, Flying J Refinery had purchased individual server licenses for each of its multiple machines and relied on tape libraries as its primary means of data backup.

Backup Challenges

Over time, Flying J Refinery's tape backup system could not keep up with the refinery's data protection demands. The company needed a faster, more robust and expandable solution to handle its growing needs. Given the hazardous nature of the production and environment, reliability was a significant consideration. Tape backup and restores often traditionally have unacceptably high failure rates. The refinery's management desired a more dependable, uncomplicated solution that they could rely on to disaster-proof their operational data.

The Solution

After evaluating several backup options, Flying J Refinery chose a Revinetix Sentio 2000 to handle its daily backup needs. The Sentio 2000 offers up to 2TB of raw data capacity and client-side compression to increase capacity to up to 4TB. The capacity, along with the redundancy of RAID5, dual power supplies, and the fact that all client/server software was included met Flying J Refinery's criteria.



Revinetix offers an “All-In-One” Total Disk Backup solution, delivering the advantages of disk and disk based offsite storage.

RevOS® advanced backup software includes central administration, Exchange & SQL agents, deduplication and remote replication.

“Revinetix offered us a complete turn-key solution that included hardware and software with a single license fee regardless of the number of servers we had to backup,” said Kyle Stowell, IT manager from Flying J Refinery. “That combined with the ability to off-line data on SATA disk drives made the decision easy.”

Stowell’s department now removes an archive disk each day and transports it off-site for additional data protection and disaster recovery. The archive disk contains a copy of the data on the backup appliance. Removal of the archive drive is a quick and simple procedure.

Advanced Technology

Revinetix uses the latest, highest quality components available from leading disk manufacturers to ensure consistent, dependable performance. These cutting-edge, quality components combined with the intelligent software developed by Revinetix, represent the most advanced technology available in today’s backup and recovery market.

Powerful Performance

The unique Revinetix system of disk communication allows the device to read and write different files at the same time – an impossible task to accomplish using serial tape technology. This expanded data handling capability dramatically reduces the amount of time required for data backup and recovery.

Unparalleled Flexibility

Revinetix supports hot swappable drive technology that enables customers to grow their capacity without the need to upgrade to new, expensive equipment. This technology allows users to store data off-line and off-site on easily removable archive disk drives, totally eliminating the need to transfer data to serial magnetic tape and providing rapid data access and restore when required.

High Availability and Reliability

Redundant power supplies and fans, as well as hot swappable drives, provide continuous operation, high availability and reliability without the need for periodic maintenance.



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Savings

Flying J Refinery's automated backup has already resulted in reduced administrative costs. "The Revinetix solution offered us a complete solution for one cost; We no longer needed to purchase additional licenses for each server we wanted to safeguard," Stowell says. "We can also use the offline-to-disk feature to ensure the viability of our data regardless of the situation."

About Flying J, Inc.

Established as a small petroleum marketing company in 1968 with four retail gasoline stations, Flying J has grown to become the largest retail distributor of diesel fuel in North America. Of the 10 million privately held companies in the U.S., Flying J, an Ogden, Utah- based corporation has the distinction of being ranked number 35 among Forbes' 500 largest private companies with 2004 sales exceeding \$7.3 billion, including fuel and excise taxes.

About Revinetix, Inc.

Revinetix, the Leader in Data Life Management, provides innovative data protection solutions that ensure continuity of business, control of critical information and confidence in recovery systems. Revinetix offers the first total disk backup and recovery solution that allows automated backup schedules for every user on the network and allows critical data to be stored safely off-site from a single appliance. For more information, customers are encouraged to contact Revinetix at 888-264-5116 or sales@revinetix.com to locate a reseller in their local area.