

## SPHiNX AUTOMATES DISASTER RECOVERY FOR FORESIGHT FINANCIAL

### THE CHALLENGE

#### DISASTER RECOVERY IN A REAL-TIME BANKING WORLD

When it comes to finance, the rules that govern banking practices and ensure the integrity of bank data must be followed precisely. IT is no exception. That's why Foresight Financial centralizes IT for community banks that otherwise wouldn't be able to house the robust infrastructure needed to maintain sensitive data and comply with FFIEC regulations. Foresight consolidates IT operations for five banks across twelve locations in its IBMi environment, giving these individual banks the opportunity to benefit from enterprise-level performance without the enterprise cost.

"Our Internet banking product is real-time. We couldn't afford any downtime or disruptions," said Aaron Patterson, CIO at Foresight. Foresight previously executed its backups via an IBM LTO-4 library, but retrieving data from the physical library was challenging and time-consuming. If data needed to be recovered, it would require almost an entire day for recovery, without a 100 percent guarantee. With a 99 percent virtualized environment and the need for 24/7 availability, Foresight required a real-time method to access backup data in the case of an emergency, disaster recovery or loss.

### THE SOLUTION

#### SPHiNX THE MOST EFFICIENT VIRTUAL TAPE SOLUTION

Foresight discovered SPHiNX through their partner, North American Systems International. SPHiNX is a virtual tape appliance that offers complete disaster recovery (DR) with consolidated backups. For Foresight, SPHiNX simplified backups via virtual tape and expedited data recovery.



[www.foresightfg.com](http://www.foresightfg.com)

Industry  
Finance

Supported environments  
IBM Power Systems with IBM i (SYSTEM i, iSERIES, AS/400)

SPHiNX has been a big help with our DR site. SPHiNX can automate the entire backup, send data over the wire and the virtual tape at the DR site is ready and can be recovered immediately."  
-Aaron Patterson, CIO at Foresight



Illinois corporation founded in 1986 as a financial holding company established under the Federal Reserve.

**Offices:** Eleven in the Northern Illinois counties.

**Mission summary :** Community Building Through Community Banking.

### SEAMLESS INSTALLATION

Foresight needed to make sure that changes to their environment would not hinder the real-time Internet banking operations. The SPHiNX system seamlessly integrated with Foresight's existing IBMi environment. Moreover, they were even able to keep the same device name and standards already in place. The smooth transition enabled Foresight to enhance their DR infrastructure without interrupting ongoing processes. "The device was up and running and ready to go in less than 30 mins".



### COMPLIANCE STANDARDS

Patterson had already deployed a replication solution for high availability (HA) backups, but knew this was not sufficient for total DR preparedness. "If you already have system to system replication, most people think you wouldn't need SPHiNX for backups. But the truth is – you do. If you only use replication, you could replicate an entire corrupt database and have no way to get back your original data," Patterson explained. If production data is corrupt and replicated, there is no way to recover the data without SPHiNX. Independent from the high availability backups, SPHiNX automatically sends data over the WAN to the offsite DR SPHiNX unit via a secure encrypted link. This ensures that data is backed up at regular daily intervals. Now, all Patterson has to do is point and click, and the virtual tape is mounted, the data accessible. For compliance reasons, Foresight must keep logs of who executes backups along with where and when tapes are accessed. SPHiNX helped take hours off of the process of maintaining these records with automated logging. Patterson said, "I used to stay up at night worrying about if our logs were ok. Now, SPHiNX does that automatically." Additionally, SPHiNX's built-in data encryption using the Advanced Encryption Standard (AES) with a 256-bit key length ensures that Foresight is able to automate secure transfer, adding yet another DR element that Foresight no longer has to manually monitor.

### FASTER BACKUP PROCESSES AND EASE OF RECOVERY WITH ADVANCED AUTOMATION

The most important aspect of backing up data is actually being able to access your DR data. With SPHiNX, Foresight can leave behind the cumbersome method of recalling physical tape from an offsite location, which could take up to two hours or more. Now, all Patterson has to do is just point and click; the virtual tape is mounted and ready to go. Recovery can happen from a remote site with no geographical barriers to DR data availability. "SPHiNX has been a big help with our DR site," said Patterson. "SPHiNX can automate the entire backup, send data over the wire and the virtual tape at the DR site is ready and can be recovered immediately." Advanced DR automation with SPHiNX shaves one and a half to two hours of work off Foresight's weekly backups, which include 60-70 gigabytes of new data every evening. By compressing the data, Foresight is able to move information very quickly.



Wide Inegration  
Compliance  
standards



Fast replication  
Secure backup



Ease of recovery  
Advanced  
automation

### THE BOTTOM LINE

#### COMPLETE DR FOR BUSINESS-CRITICAL DATA

With a robust, enterprise-level IT environment, Foresight ensures the integrity of data for thousands of accounts across its five banks. Seamless installation into the IBM i environment along with automated encryption and logging allow Foresight to stay online and reduce the time and resources devoted to backups and DR, while improving the recoverability of business-critical banking data. SPHiNX not only secured backed up data, but it also made it easily accessible for recovery and archiving.

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