



A Recovery Networks Case Study

The Customer:

Morphotek, Inc, is an emerging biotech research organization, which uses its own patented morphogenics process to expedite DNA mutations that can be developed for drugs, agriculture, and other life sciences or industrial applications. The company's researchers create and collect a significant amount of data each day. The security of Morphotek's network, particularly the protection of its proprietary research data, is the primary concern for the company.

The Problem:

Since the company was founded in 2002, Morphotek had been using a standard Windows 2000 file server with an attached tape backup device for data storage and archives. Their disaster recovery plan included permanent storage of monthly backup tapes, and temporary storage of weekly backups, as an offsite storage facility. Over time the following inadequacies became clear:

- ▶ Offsite storage charges had more than doubled over two years, because of the ever-increasing storage space requirements for the monthly backups.
- ▶ Backup hardware and software required frequent maintenance and care to prevent backup failures. With the accumulation of data on the file server, more backup media was required, which had to be changed more frequently.
- ▶ Up to one week's worth of the most recent backup sets were stored on site, which meant that up to one week of data could be lost in a disaster.
- ▶ In the event of a true disaster, recovery would be subject to the delays required to obtain new equipment and temporary office space, as well as the time required to configure a new network environment and restore the data to it.

The Solution:

Since Recovery Networks installed the BackupNet and RecoverNet software on Morphotek's network, these significant advantages have been realized:

- ▶ The Recovery Networks "LAN Discovery" service scanned the entire corporate domain, and identified all data that had not been recently accessed. Morphotek was able to allocate this older data to permanent offline storage, which significantly reduced the size and cost of current backup jobs.
- ▶ Offsite data storage is performed automatically each night, through the Internet.
- ▶ Maintenance tasks for backup devices, media and are almost nonexistent. Software configuration tasks have been significantly reduced.
- ▶ Potential data loss during a disaster has been minimized to no more than one business day.
- ▶ Recovery of the network data, and accessibility to that data, is no longer dependant on rebuilding their facility.
- ▶ All corporate servers can be recreated in a virtual environment within one business day.
- ▶ The offsite tape storage facility charges have been eliminated.