

## 3U Technologies LLC Uses Casper Secure™ Drive Backup for PGP® Whole Disk Encryption to Prevent a Disk Failure from Jeopardizing a Project and the Company's Bottom-line.



### » Summary

The managers at 3U Technologies LLC use Casper Secure Drive Backup to protect against a hard drive failure especially when they are working on projects off the mainland. Recovering from a drive failure can run into thousands of dollars, jeopardizing projects, employees' productivity, and the firm's bottom-line.

### » The Situation

3U Technologies LLC provides international business consulting, project management and engineering, and engineering design services. Its staff has expertise in solving the difficult challenges surrounding underground, underwater and under-ice environments.

3 U Technologies' project managers and its clients usually work on projects covered under Nondisclosure Agreements. Given the concern that the project managers could lose their laptops in a cab, hotel, restaurant, or airport, the laptops are secured with PGP® Whole Disk Encryption.

The managers rely on their laptops for their work both on and off the mainland. If a laptop fails, the results could be catastrophic. As Larry Mackey, Senior Project Manager, explains, "if a laptop failed while the manager is away at sea, it could take 5-6 days to get back to port at a cost of \$50,000 –\$60,000 each day. Without the laptop, though, the manager can't work. The whole project would then be put at risk with cost overruns and time delay. As a result, the firm can be fired by the client."

Mr. Mackey and the project managers needed a dependable backup system that would create a fully bootable backup of their encrypted Windows drives and for that backup to remain encrypted. Ideally, as the managers use customized software, the backup would contain everything on the drive, not just the data. Furthermore, the backup and recovery solution had to be easy enough for an unsophisticated end user to use as there would not be any IT support.

#### Key Challenges

- The company needed a reliable and fast backup system that was compatible with PGP Whole Disk Encryption.
- The solution had to create an encrypted backup that would be quickly updateable while remaining as safe and secure as the original PGP encrypted drive.
- The solution had to ensure a quick, fully-encrypted recovery in the event of a hard disk failure. It would be too time consuming and risky to first restore to an unencrypted state and then re-encrypt the entire disk.
- Backup and restoration had to be simple enough to use without on-site IT support.



## » The Solution

Mr. Mackey evaluated other backup software, however, he chose Casper Secure Drive Backup because it exceeded all of his requirements.

Casper Secure is the only backup solution designed to work with PGP WDE. With one click, a project manager can create a completely encrypted backup of a PGP encrypted hard drive. Since the original encryption is maintained, there is no new encryption technology to vet or new passwords to manage.

The Casper Secure backup is bootable and contains everything including the operating system, applications, settings, and all of the data. So if a hard drive fails, the manager can boot and run directly from the Casper Secure backup or use the Casper Secure backup drive as a replacement for the failed drive. Either way, the manager is back up and working in minutes without having to re-install custom software, restore data and re-encrypt the drive.

The Casper Secure user interface is easy to use. So managers can maintain their own backups as well as recover without IT support. With Automatic Copy Verification and the ability to immediately test-boot the backup, the project manager has peace of mind knowing that the backup will be there when needed. The backup has not been compromised by faulty RAM, a defective cable, a failing disk, or a bad controller interface.

### **About Future Systems Solutions, Inc.**

Future Systems Solutions develops and markets innovative software solutions for the PC. Further information may be obtained by calling 855-5-CASPER or by visiting the FSS website at [www.fssdev.com](http://www.fssdev.com).

*"Casper Secure Drive Backup provides a simple solution. When a laptop fails, the restoration process is simply to unplug, plug, and go. The project manager swaps out the failed drive with the Casper Secure backup and goes back to work"*

*Larry Mackey  
Senior Project Manager  
3 U Technologies*

## » The Results

According to Mr. Mackey, "Casper Secure Drive Backup provides a simple solution." Casper Secure ensures the project's sensitive data remains fully encrypted when it is backed up. Since the original encryption is maintained, there are no new passwords to manage. And unlike competing backup solutions, a project manager does not have to waste up to a day performing a separate re-encryption process to restore a hard drive from an unencrypted backup.

Casper Secure's encrypted backups can be made any time without leaving Windows. There is no need to restart a laptop or stop working to create or update an encrypted backup. The backups can be scheduled to occur automatically. So, the project managers are always up-to-date with their backups.

There is no need for any on-site IT support. As Mr. Mackey explains, "When a laptop fails, the restoration process is simply to unplug, plug, and go. The project manager swaps out the failed drive with the Casper Secure backup and goes back to work." With all the applications on the backup drive, there is no downtime re-permissioning licenses to the customized applications.

Overall, Mr. Mackey is delighted to have discovered Casper Secure. Since its implementation, project managers have already relied on their backups twice, saving their projects and demonstrating the immense value Casper Secure brings to the enterprise. He encourages all of 3 U Technologies' clients to use Casper Secure and to create several encrypted backups of their hard drives to prevent putting a project at risk.

