

**Information Technology (IT) Services**  
**Software Technical Support**  
**Computer Backup and Recovery**



***Nautical***  
SOFTWARE SOLUTION  
COMPUTER SERVICES FOR  
THE BOATING INDUSTRY

NAUTICAL  
**TS**  
TECHNOLOGY SERVICES

## Importance of Computer Data Backup and Everything You Needed To Know

Before we go into details regarding the importance of backing up your company's data, we should first understand what it is you are backing up, the security your chosen source provides and how to effectively backup your data.

Backups are essential and it is very important that you do regular backups to prevent the loss of data due to threats, including hardware failures, power outages and viruses. **Important files should be backed up at minimum once a week, preferably once every 24 hours.** This can be performed manually or automatically. Having duplicate copies of your most important information is also advised.

The bottom line is that if you value what's kept on your computer, it's wise to take steps to protect your information from sudden loss. Work can be redone, but the loss of some important company information is permanent. This is what could go wrong:

**Computer crashes** – because of errors in the operating system (OS) software or errors in the computer hardware. Software errors are probably more common, but hardware errors can be devastating and harder to diagnose.

**Hard drive failure** - hard drives have a finite lifetime and can fail suddenly and without warning.

**Hackers/Virus Infection** – aggressive malicious viruses can corrupt files and disable computers.

**Power outage** – any loss of power can cause data corruption, and only parts of a file may be transferred correctly, leaving the entire file corrupt.

**Software updates** - Windows 10 updates can cause endless reboots on some computers. Windows 10 operating systems make security and system updates automatically when they become available. These automatic updates can cause unanticipated computer problems.

**Physical computer damage** – Your files are more at risk if you use a laptop. Light and portable comes at the price of reduced durability. Laptops are sensitive and are easily damaged.

**Theft** – computers are sought after by thieves and cannot always be kept secure when traveling.

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513 River Estates Parkway  
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**CALL FOR DETAILS** and ask about  
our website bundle package  
**800.467.0982**



Security and Compliance  
Award-winning Support

### Nautical Technology Services Protection (FREE for all NSS customers)

Reputation is important. That's why we chose to partner with IDrive a leader in cloud backup services

#### **AUTOMATIC CLOUD BACKUP**

Protects your data off site at secure data centers. You trust NSS for your software needs, let us help protect your data investment.

#### **SIMPLE AND RELIABLE FILE RECOVERY**

Recover your data remotely from any location. You can recover Malware infections with point-in-time restore. Your files are stored for up to a month from detection. You can restore all files, or one file, it's your call.

Two plans to choose from, and for NSS software users, you can conveniently add these services to your NSS Annual Maintenance and Support Agreement:

- **BASIC PLAN - IDrive Safe Core- Data Files Only**  
\$288/year or \$30/mo.
- **PLUS PLAN - IDrive Safe Power - Data & Program Files**  
\$600/year or \$58/mo

Now, let's determine what files require backing up. In its most simplistic form, there are basically two types of files; **Program Files, and Data Files.**

### What are Program Files?

Program Files is the directory name of a standard folder in Microsoft Windows operating systems in which third-party applications are installed by default that are not part of the operating system. Typically, each application installed under the 'Program Files' directory will have a subdirectory for its application-specific resources. *Program files operate your computer.*

### What are Data Files?

Data file which stores data to be used by a computer application or system. It generally does not refer to files that contain instructions or code to be executed (typically called program files), *data files are your company data information files.*

### What are you backing up on your computer system?

Most people normally back up their company data files. In the event of a problem where you have to rely on retrieving your backed up data for recovery, you will get your sensitive data files back, however what about your program files, the files needed to operate your computer? If the program files are not backed up, and you only backed up your data files, you will have to reinstall all the program files such as Windows operating system, and all the software you use to operate your company.

### Are you sure you are backing up your files?

If you are not sure, or you never checked, **you may think you are backing up your files, but in fact you may not be.** Each file you want to protect **MUST** be selected manually in order to target those files for backup. The worst time to learn that your files haven't been backed up is when something happens to your computer and you need to recover your files. NSS can help determine if you are backing up your files correctly. Give us a call for a no cost assessment.

### Backup Devices

USB Flash Drives as a PC Backup Solution. Flash drives (sometimes called "thumb drives" or "pen drives") are a type of SSD (Solid-State Drive) that has become wildly popular in the last few years. Typically designed to be attached to a key chain or neck strap, flash drives are easily and inexpensively available in capacities as high as several TB, if you don't mind spending the money.

### Disadvantages of USB backups

USB Flash drives can hold a lot of information, **but unfortunately they do have some disadvantages.** You could forget the device or somebody else could take it. Secondly, **even a small electrical charge can cause data loss on a USB device.** Also, USB Flash drives may not hold data over a long period of time. It is better **NOT** to use a USB Flash drive for long term or for saving your important critical data. As a permanent storage device, it is better to use more reliable and secured devices.

### Carbonite Safe Cloud Backup Plans for Small Business

A much safer and more efficient method of securing files. We provide safety from computer damage and you can

access files remotely from anywhere. Reliability and reputation is key when choosing a service. Don't risk losing valuable data and wait too long. With all the invasive internet activity going on, it's no longer a matter of if you will ever experience problems, it is really only a matter of when.

**With IDrive and NSS you get a team dedicated to safe data storage along with a company dedicated exclusively to the boating industry!**



**Malware infections** USB flash drives perform the same data and software storage and transfer role as the floppy disk, often used to transfer files between computers which may be on different networks, in different offices, or owned by different people. **This has made USB flash drives a leading form of information system infection.** When a piece of malware gets onto a USB flash drive, it may infect the devices into which that drive is subsequently plugged.

**Data corruption** is far more common than one might think and has been an issue ever since the beginning of the computer era. Data corruption, in simple terms, is used to describe when the data inside a file has been changed from its original state. **If you are using a USB flash drive, how do you know if your data has been corrupted?** The answer is, you don't. With NSS we take the worry out for you by continuing to monitor your computer system.

**Computer crashes** because of errors in the operating system (OS) software or errors in the computer hardware. Software errors are probably more common, but hardware errors can be devastating and harder to diagnose.

**How does data get corrupted?** Files can become corrupted when storage devices get old. Even when disks are not in use the data changes from its original form and files get corrupted. Another reason can be a sudden loss of power.

**Does my computer have a virus?** Unfortunately, the answer might be "yes" and you could already be compromised with viruses or malware that are slowing down its activity and performance. There are more of them you need to be aware of and understand, so you can quickly take action.

*Here are some indications you may have a corrupted virus:*

1. Your computer is slowing down
2. Annoying ads are displayed
3. Your computer crashes
4. Pop-up messages
5. Internet traffic suspiciously increases
6. Your browser home page changed without your input
7. Unusual messages show up unexpectedly
8. Your security solution is disabled
9. Your friends say they receive strange messages from you
10. Unfamiliar icons are displayed on your desktop
11. Unusual error messages
12. You can't access the control panel

### The IDrive/NSS Backup and Recovery Plans

**The Basic Plan costs \$288 per year or only \$30 per month.**

Users automatically backup unlimited computers, external hard drives and network attached storage devices of your data files. Restore data files in minutes on one or unlimited computers. For full backup including program application files see the Plus Plan below.

**The Plus Plan cost \$600 per year or only \$58 per month.**

Users receive backup for unlimited computers and server backup of data and program files. This **image backup** and **bear metal restore (BMR)** protects physical and virtual servers, including data and program application files, databases and systems settings, with onsite or offsite hybrid backup getting you up and running in minutes.

**Free Trial** - Give IDrive a try before signing up, you can always opt for their free trial. Gives you access to 15 days of Basic subscription.



1

## **IT Services**

- Computer and hardware installation
- Data crash recovery

2

## **Software technical support**

- Product support
- Interactive upgrades

3

## **Backup and recovery services**

- Secure cloud-based backup
- Fast data recovery

Dedicated exclusively to the

**BOATING INDUSTRY**

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