Assignment 1

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**Best Practices in doing OS backup and recovery**

Nowadays, every business relies on computer systems, and the risk of data leakage or a hack into your system by professional hackers is increasing, threatening the continuity of your business or company.

This is why many business and company owners use data backup and recovery software. As a result, finding the best managed IT services provider has become a must for all business owners.

OS backup and recovery is the process of backing up your data so that in the event of a loss, you can set up a security system to recover those lost files.

Here are several approaches to making a computer backup.

* Clone your computer and store it on an external drive.
* Upload a whole copy of your computer to cloud storage so that you can access it through the internet.
* Install software that will backup your computer for you. Third-party software is common nowadays because there’s minimal risk and it has good security.
* Use the built-in system tool on your computer to create a full backup.

**Best Way to optimize the performance of your Operating Systems**

A system's performance may be measured in several ways, including response times, uptime, availability, usability, durability, speed of state changes (such as acceleration), processing speed, and capacity for simultaneous connections etc.

1. **Uninstall unnecessary software.** Your computer comes pre-installed with a variety of software that most users will never use, but which can consume system resources. They are usually identified by a pop-up encouraging you to update a program you've never used before. Delete them from your computer to make room on your hard drive.

2. **Limit the programs at startup.** You may control which programs start up with your computer at startup time in a similar vein. Choosing what you wish to run in the background and what you may start on your own is made simpler by Task Manager.

3. **Add more RAM to your PC.** You can also get more RAM added in your computer by taking it to a professional shop. If you're concerned about potentially compromising your system or doing it wrong, getting advice from someone who understands what they're doing can put your mind at ease and make adding extra memory simple.

4. **Check for spyware and viruses.** Try installing two types of computer performance monitoring software. Malware removal software can resolve lagging or obvious difficulties with performance or popups. You should, however, look at applications that provide ongoing security and run in the background. Remember that these antivirus apps take up space, so choose one that is not meant to interfere with performance.

5. **Use Disk Cleanup and defragmentation.** Every computer has files and programs on its hard drive that haven't been used in a long time or are no longer needed. Disk Cleaning lets you to determine which software and data on your computer can be eliminated, freeing up drive space for the programs you will need.

6. **Consider a startup SSD.** When it comes to improving performance, a startup solid-state drive (SSD) can go a long way toward relieving some of the strain on the processor when your computer powers up. If you frequently run multiple applications at once or use photo and video editing tools, a startup drive can help these programs perform more smoothly and load faster.

7. **Take a look at your web browser.** Small tweaks can frequently improve your PC's performance. Something as simple as the browser you use can affect how quickly web sites, movies, and photos load. If you've been using a particular browser and notice a lag, try a different one to see if the loading times are faster.

Reference: <https://www.hp.com/us-en/shop/tech-takes/7-ways-to-improve-computer-performance>