Backup Strategies Made Easy
with NovaBACKUP

Get ready to start backing up your critical data with NovaBACKUP!

Backup Strategy Steps

- Install NovaBACKUP
- Connect and configure a local backup device (USB drive or NAS)
- Connect and configure cloud storage (already included with your NovaBACKUP license)
- Create a backup of your data – **File or Data Backup**
  The first step is to set up a recurring backup job for your individual files and folders. This could include important business documents, spreadsheets, presentations, videos, pictures, or other critical data.
- Include applications in your backup job – **Advanced File or Data Backup**
  Application backups extend the concept of file backups to more complex data such as databases (often the foundation of industry software and CRM systems), entire applications, or snapshots of virtual machines.
- Create a backup of your entire system – **System Backup**
  Next, back up your entire system, including the operating system, settings, drivers, applications, and all files.

There are two options:

Image Backup
is used for disaster recovery to recreate an entire system on the same or different hardware. This typically involves the additional creation of a boot disk.

VHD(x)
allows you to later mount the backup as a virtual machine using Hyper-V.

Common Backup Scenarios

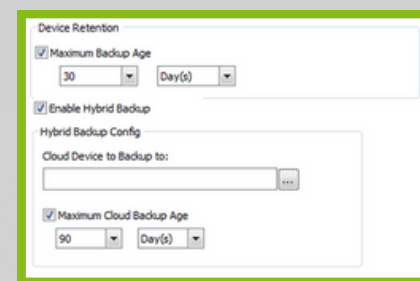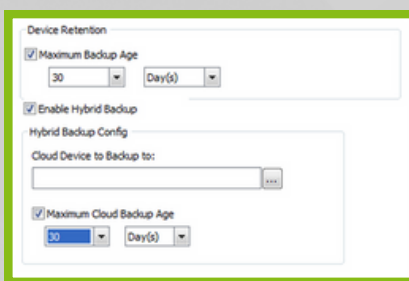|	SCENARIO 1 You want to protect data that **rarely changes**	SCENARIO 2 You want to protect business-critical data that needs to be **recovered quickly**
SYSTEM	**Monthly** VHD(x) or image backup of your system.	**Monthly** VHD(x) or image backup of your system.
DATA + APPLICATIONS	**Weekly** backups to a local device and then to the cloud, each with a 30-day retention period.	**Daily** backups to a local device with 30 days retention and then to the cloud with 90 days retention.

NovaBACKUP utilizes an Incremental Forever backup scheme.

Incremental Forever backups perform an initial backup of all selected files, folders and applications. After that, NovaBACKUP will only send new or changed files or parts of files to the backup destination based on what the destination already has on it. In addition, Incremental Forever stores links to all the data backed up by the previous backups in each increment, making it easy and fast to restore.

FAQs

Why do you recommend a combination of image and file backups?
File and image backups serve different purposes when it comes to recovering data.

Use Disaster Recover to:
- Recover from total hardware failure.
- Restore an entire machine to new hardware when performing a hardware refresh.
- Move a physical server to a virtual machine (if VHD(x) DR is supported by your backup solution).
- Have a cold standby of a critical system that can be powered on with the latest data in an emergency.

Use file and application backups for:
- Quick recovery of individual files or folders.
- Daily (or more frequent) backups of business-critical information.
- Increased backup storage efficiency and reduced costs.

View Quick Start Guide

A combination of the two can protect you from any type of data loss or disaster.

Why should I back up to local and cloud storage?
Maintaining multiple backups in separate locations is critical to ensuring that your data is secure and recoverable in the event of a breach or loss. Regulations require multiple copies of data for backup compliance - especially when it comes to businesses that hold sensitive information, such as dental and medical practices.

What's more, if you only have one backup in one location, you run the risk of it being damaged by fire, storm, or flood. Or you could lose it to ransomware and bad actors, so it's important to at least follow the 3-2-1 rule and keep multiple secure backups of your or your clients' data.

Use the 3-2-1 Backup Strategy

x3 + x2 + x1

NUMBER OF BACKUPS
3 COPIES

SAVED TO A MINIMUM OF
2 DIFFERENT TYPES OF STORAGE MEDIA

SAVED OFFSITE
1 LOCATION OR IN THE CLOUD

NovaBACKUP