**Understanding the Grandfather-Father-Son Backup Method**

The Grandfather-Father-Son (GFS) backup system is a structured way to manage data backups without overwhelming storage or slowing down systems. It works by saving small daily changes (Son), doing a full backup each week (Father), and keeping a long-term monthly backup (Grandfather). This method reduces how often large backups need to happen, which saves time and space—both major issues when dealing with big datasets (Gibraltar Solutions, 2023). It also supports legal and compliance needs by keeping monthly records. However, the system is not flawless. If one daily backup is damaged, it can affect the whole chain, making restoration harder. It is also slower to recover data than newer systems like snapshots or continuous backups. Still, GFS is a practical choice for organizations with limited resources. It offers a solid middle ground between protection, cost, and complexity.

**Reference:**  
Gibraltar Solutions. (2023). *Mastering the Art of Modern Data Backup Strategies*. <https://gibraltarsolutions.com/blog/mastering-the-art-of-modern-data-backup-strategies/>