



# BigBackups

Resumable Backup Tool

## Download BigBackups

Free download for Windows 10/11 - No installation required, portable executable

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## What is BigBackups?

BigBackups is a desktop application for Windows that allows you to copy large volumes of data securely and with the ability to resume.

### Main feature:

If you pause the copy today, tomorrow you can continue exactly where you left off. No lost progress, no starting from scratch.

## Why did we develop BigBackups?

At Robust Data Solutions, after signing the relevant non-disclosure agreements (NDA), our clients frequently need to transfer large volumes of data to us for audits, data processing, or artificial intelligence analysis.

## The problem with Windows copy system

Windows Explorer has serious limitations when copying folders with large volumes of data:

- **Excessive time** - Initial calculation can take hours before the actual copy begins
- **No error tolerance** - If it encounters a file in use, locked, or with special permissions, the operation stops completely
- **Total progress loss** - Any interruption (error, restart, power outage) means there's no way to continue: you must delete everything and start from scratch
- **No status log** - There's no log of which files have been copied, which are missing, or where to continue

BigBackups solves these problems by maintaining a detailed record of each file, allowing pause and resume at any time, and verifying integrity using SHA-256.

## Features

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- **Resumable copy** - Pause and continue whenever you want, even days later
- **SHA-256 verification** - Checks the integrity of each copied file
- **Multilingual** - Available in Español, Català and English
- **Portable** - Portable executable, doesn't modify the system
- **Modern interface** - Dark theme, easy to use
- **Accumulated total time** - Shows the real time of all sessions

### Why SHA-256?

SHA-256 generates a unique "digital fingerprint" for each file. BigBackups calculates this fingerprint at source and destination to ensure the file was copied completely, the content is identical, and there were no errors. It's the standard used by banks and governments.

## System Requirements

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- Windows 10 or higher
- 100 MB of free space
- No installation or administrator permissions required

## Usage Instructions

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### Run BigBackups

Double-click on `BigBackups.exe`

#### If Windows shows a security alert

This is normal for new applications. Follow these steps:

- 1 Click on "**More info**"
- 2 Click on "**Run anyway**"

### Using the Application

- 1 **Select Folders** - Source: folder to copy | Destination: where to save
- 2 **Scan** - Click "Scan Source" and wait for the analysis
- 3 **Copy** - Click "Start Copy". You can pause at any time
- 4 **Verify** - Use "Verify Copy" to check integrity with SHA-256

### Resume a Copy

If you close the application during a copy:

- 1 Reopen BigBackups
- 2 A message will appear asking if you want to resume
- 3 Click "Resume" - it will continue where you left off

## Security Verification

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This software has been analyzed on VirusTotal:

67/72 engines confirm safe (93%)

**View analysis:** [virustotal.com/gui/file/bf5acabb...](https://www.virustotal.com/gui/file/bf5acabb...)

### Note on false positives

Some AI engines may show alerts. This is common in packaged Python apps.

### Main antivirus confirming safe:

Windows Defender	AVG
Kaspersky	ESET
Norton	Bitdefender
Avast	Malwarebytes

## Free and Open Source Software

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Although we initially developed BigBackups for our clients, we have decided to make it available to **anyone or any organization** who wishes to use it, at no cost.

- **Use it freely** - Whether you're our client or not
- **Distribute it** - Share it with colleagues, clients, or third parties without restrictions
- **No registration or licenses** - Download and run, nothing more

We believe useful tools should be available to everyone.

## Open Source for Developers

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The complete source code is available on GitHub under MIT license. The project is developed with:

- **Python 3.12** - With modern graphical interface (CustomTkinter)
- **SQLite** - For session persistence
- **SHA-256** - For integrity verification
- **Modular architecture** - Documented and structured code

We hope it serves as **inspiration or learning material** for other developers interested in:

- Large-scale file operations management
- Implementing resumable systems
- Integrity verification with cryptographic hashes
- Modern user interfaces in Python

## MIT License

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This software is distributed under the **MIT license**, one of the most permissive in the open source world:

Permission is granted to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the software without restrictions, provided the copyright notice is included.

**More information:** [github.com/albertlens/bigbackups/blob/main/LICENSE](https://github.com/albertlens/bigbackups/blob/main/LICENSE)

## Technical Support

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If you have any questions or problems:

- **Email:** [info@robustdatasolutions.com](mailto:info@robustdatasolutions.com)
  - **Phone:** +34 669 569 468
  - **Web:** [robustdatasolutions.com](https://robustdatasolutions.com)
  - **GitHub:** [github.com/albertlens/bigbackups](https://github.com/albertlens/bigbackups)
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