

# EasySave

## User manual

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Professional backup software

Avalonia GUI - Version 3.0

<b>Publisher</b>	ProSoft provider
<b>Version</b>	3.0
<b>Date</b>	24/02/2026
<b>Platform</b>	Windows 10 / 11
<b>Technology</b>	Avalonia UI (.NET)

## 1. Introduction

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EasySave is a professional backup software developed by ProSoft. It allows creating, configuring and executing backup jobs in a simple and efficient way via a modern graphical interface developed with Avalonia UI.

### 1.1 Main features

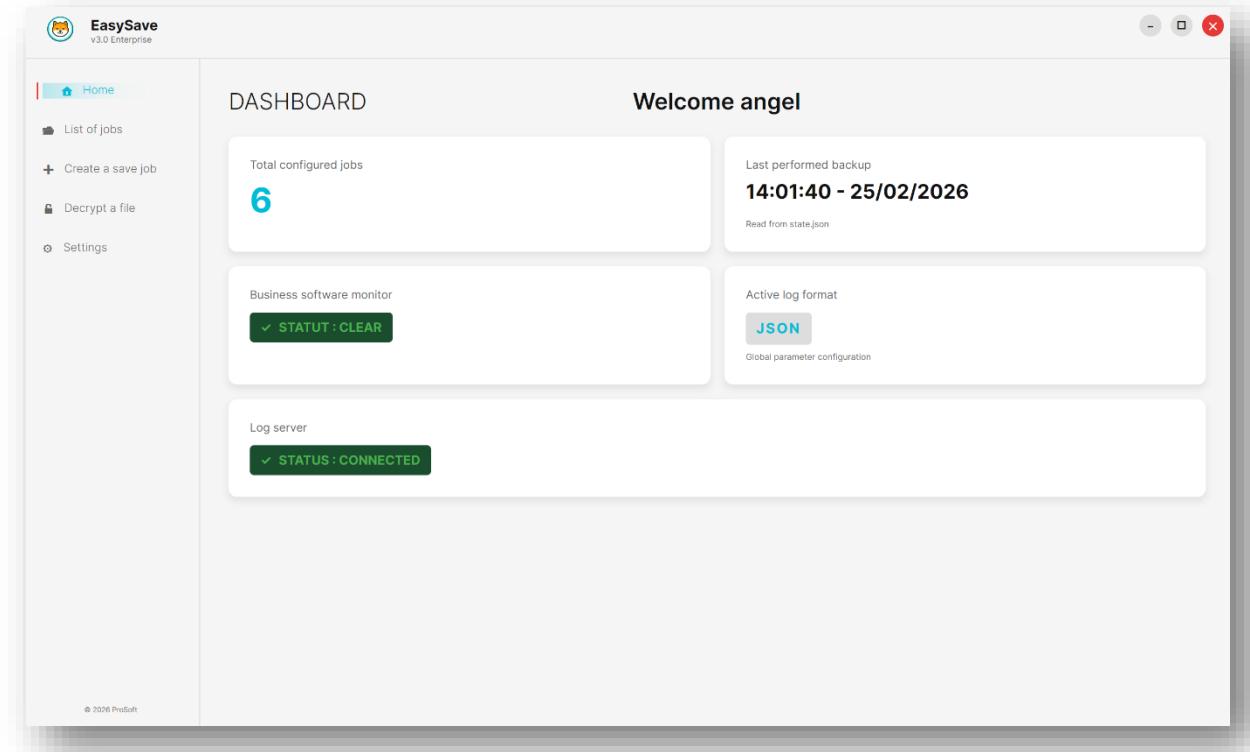
- Create and manage backup jobs (complete or differential)
- Execute several jobs in parallel with priority management by extension
- Pause, resume or cancel a running job
- Automatically encrypt sensitive files with AES-256 during backup
- Decrypt previously encrypted files
- Automatically block backups if business software is detected
- Consult activity logs in JSON or XML format, locally or via a centralized server

## 2. Starting the application

### 2.1 Launch

Double-click on EasySave.exe to launch the application. The main window opens with the side navigation menu and home view.

Software homepage:



### 2.2 Structure of the interface

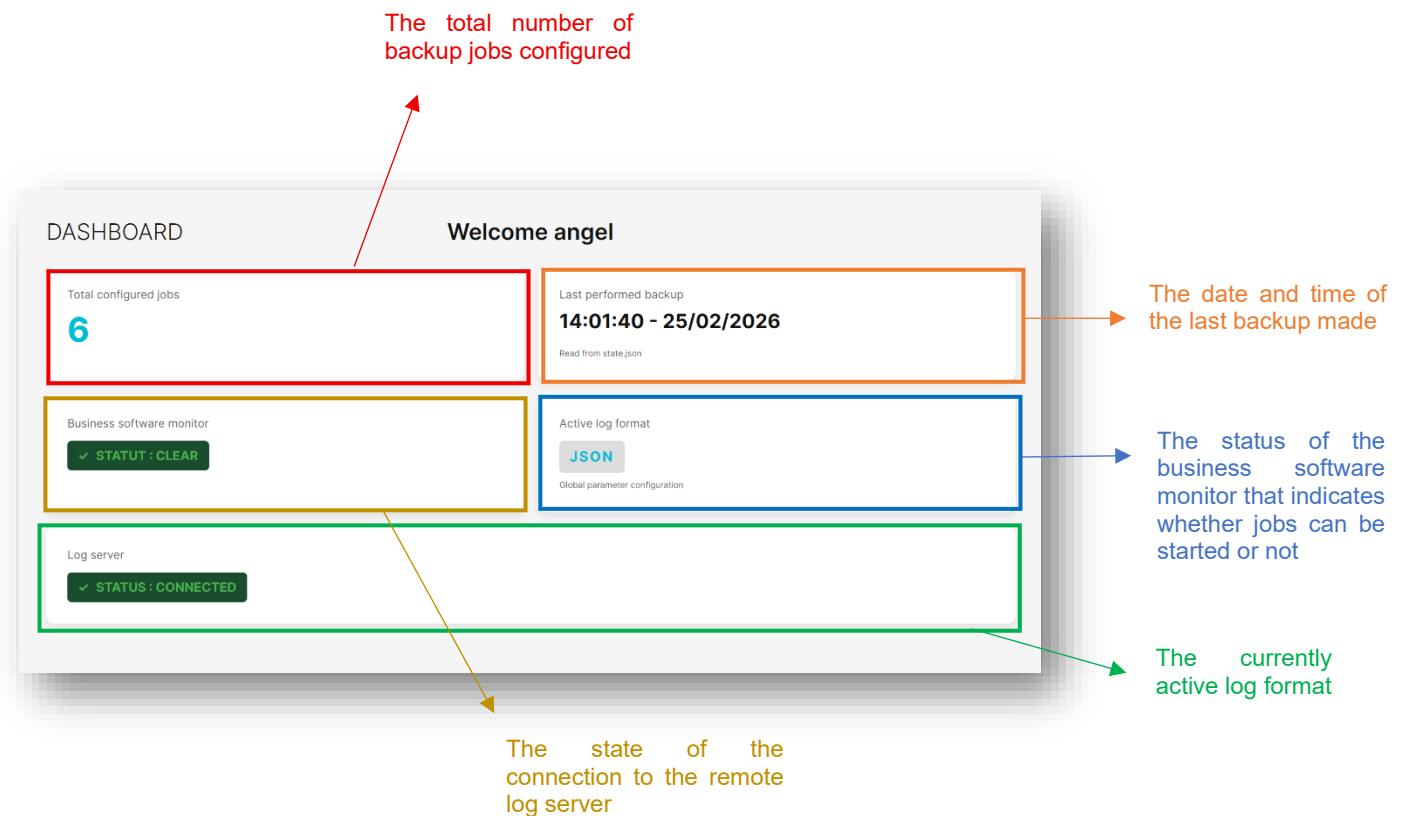
Zone	Description
Left side menu	Navigation between sections: Home, List of jobs, Create a save job, Decrypt a file, Settings
Core content area	Display the content of the active section

#### Blocking by business software

EasySave continuously monitors whether a configured business software is active, both at startup and during the execution of a backup. If this is the case, any new launch is blocked and ongoing jobs are automatically paused until the business software closes. If a job has been manually paused by the user, it will not automatically resume upon closing the business software and must be restarted manually.

## 2.3 Home page

When starting EasySave, the first page displayed is the "Home" page which corresponds to the "Dashboard". This is the central view of the application, designed to give a complete overview of the software status at a glance without having to navigate through the different sections. There are five key indicators (see screenshot below) Each indicator updates automatically, allowing the user to check in an instant that everything is working properly before starting their backups.



## 3. Management of backup jobs

A backup job defines what to save, or, and how. The list of your jobs is persistent: it is stored in a JSON file on your machine and reloads each time you start.

### 3.1 Display the list of jobs

Click on "List of jobs" in the side menu. The list displays all your jobs with their name, source directory (*source*), target directory (*destination*), *backup type* and the 3 buttons corresponding to the 3 different actions you can perform (see screenshots that follow).

ID	NAME	SOURCE	DESTINATION	TYPE	ACTIONS
1	test4	C:/Temp/Source	C:/Temp/Dest	FULL	
2	test5	C:/Temp/Source	C:/Temp/Dest	FULL	
3	NewName	C:/Source	C:/Target	DIFF	
5	NewName	C:/Source	C:/Target	DIFF	
6	test	C:/Temp/Source	C:/Temp/Dest	FULL	
7	test7	C:/Temp/Source	C:/Temp/Dest	FULL	

### 3.2 Execute a unique job

1. Click on Execute (green reading icon) of the desired job
2. The progress is displayed in real time



During the execution, the following information is displayed in real time:

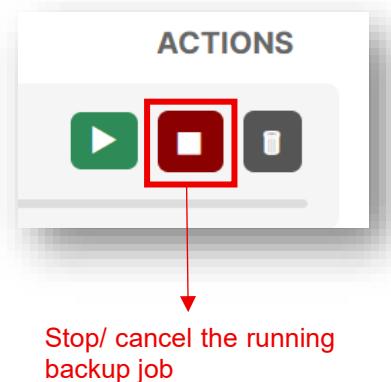
- Percentage of progress
- Number of files processed on the total
- Name of the file being copied
- Remaining size to copy

### 3.4 Stopping a single job

1. Click on Stop (red square icon) of the desired job.

#### Attention

The execution is immediately canceled. Files already copied before the shutdown remain present in the destination directory, only files not yet processed at the time of shutdown will not be copied.



### 3.4 Delete a unique job

1. Click on Delete (gray trash icon) of the desired job



#### Attention

The deletion is final. Files already saved in the target (destination) directory are not deleted.

Only the job configuration is deleted.

### 3.5 Execute all the jobs

Click on "Running all Save jobs..." in the toolbar. All jobs start in parallel. The number of simultaneous jobs is limited by the prohibition to transfer in parallel more n Ko files and different priority files determined in parameter (see section "7. application parameter")

LIST OF JOBS

LIST OF JOBS					
6 jobs configured					
ID	NAME	SOURCE	DESTINATION	TYPE	ACTIONS
<input type="checkbox"/>	1 test4	C:/Temp/Source	C:/Temp/Dest	FULL	

## 4. Creation of a new job

Each backup job corresponds to a unique configuration associating a source folder, a destination folder and a type of backup. To create a new one:

1. Click on "**Create a save job**" in the side menu.
2. Fill out the form
3. Click on "Create a save job" at the bottom of the form

The screenshot shows the 'NEW SAVE JOB' configuration window. On the left sidebar, there are links for Home, List of jobs, Decrypt a file, and Settings. The main window has fields for NAME (with placeholder 'Enter a unique name...'), SOURCE (set to 'C:/...'), DESTINATION (set to 'D:/...'), and TYPE (set to 'Full'). At the bottom right is a blue 'Create a save job' button.

Field	Description	Example
Name	Unique name of the job (mandatory, cannot be empty)	Backup Documents
Source directory	Absolute path of the folder to save	C:\Users\Alice\Documents
Target directory ( <i>destination</i> )	Absolute path of the destination folder	D: Backup Documents
Type	Complete: Everything is copied/ Differential: copies only new or modified files	Complete

### Validation rules

The job name cannot be empty or consist only of spaces.  
 The source and destination paths must be absolute paths (e.g. C:\Folder).  
 Relative paths are not accepted.

### 3.1 How to fill out the form

The **New save job** form contains four elements to fill in before being able to create a work:

1. Enter a unique name that will allow you to easily identify this work in the list. The field displays "Enter a unique name..." as an indication. This field is mandatory and cannot be empty.
  2. Specify the full path of the folder to be saved (e.g. C:/Documents). You can enter the path manually or click on the icon to the right of the field to browse your folders and select the source directory directly.
  3. Select the backup type via the drop-down menu: **Completo** copy all files without exception, or **Differento** copy only new or changed files since the last backup.
  4. Specify the full path of the folder to which the files will be copied (e.g. D:/Backup). Similarly, the icon allows you to browse your folders to choose the destination.
  5. Once all the fields are filled in, click on the Create a **work** button at the bottom right to save the configuration.
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### 3.5 Types of backup

Type	Behavior	When to use it
Full backup	Copy all files from the source directory without exception	First full backup or reset
Differential backup	Copy only files whose modification date is more recent than the target file	Regular backups to save time and space

## 5. File encryption

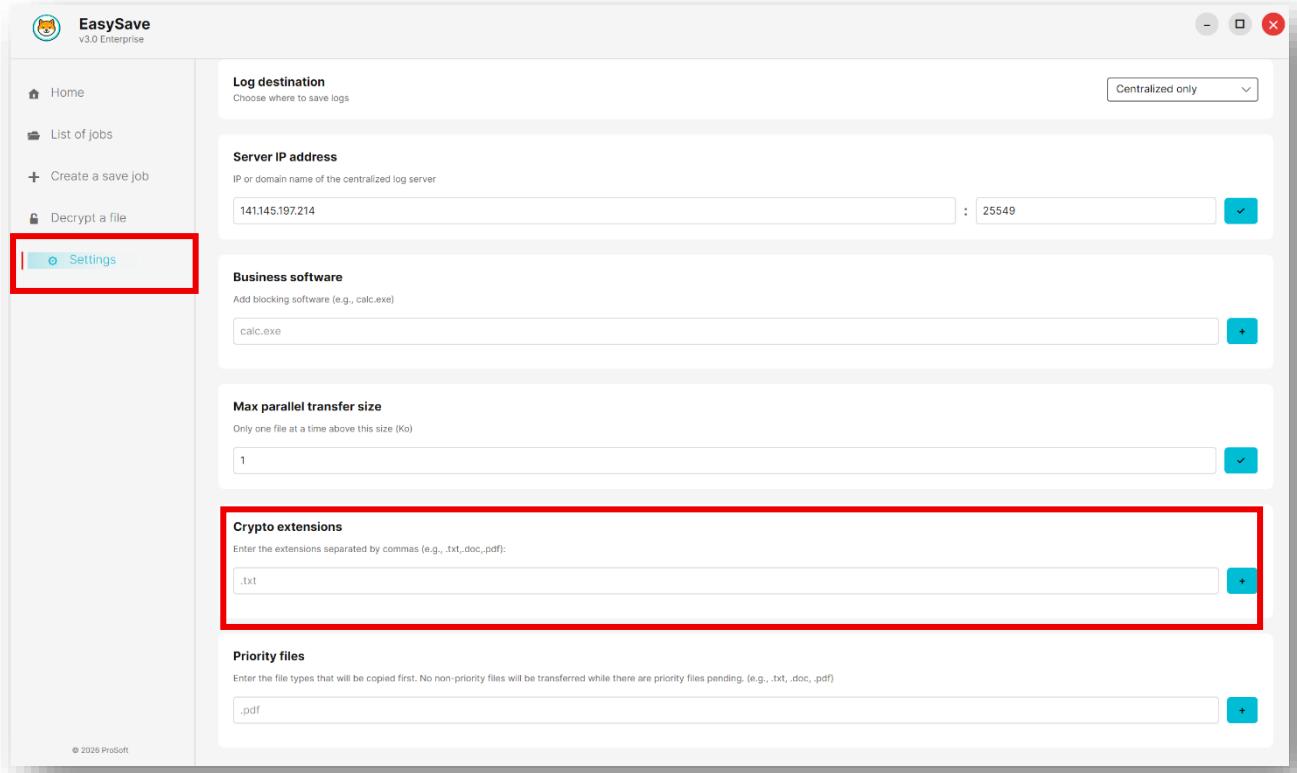
EasySave integrates an AES-256 bit encryption system to protect sensitive files during backup. The original source file is never modified: only the copy in the target directory (*destination*) is encrypted.

### What is AES-256 encryption?

Encryption is a process that transforms a readable file into completely unreadable data without the secret key. AES (Advanced Encryption Standard) is the world's most widely used encryption algorithm adopted by banks, governments and security agencies. The 256 bits corresponds to the size of the key used. This is the maximum security level of this algorithm, considered today as impossible to decipher by brute force. Concretely, a file encrypted by EasySave is completely inaccessible to anyone who does not have the exact encryption key , even if they physically get their hands on your backup disk.

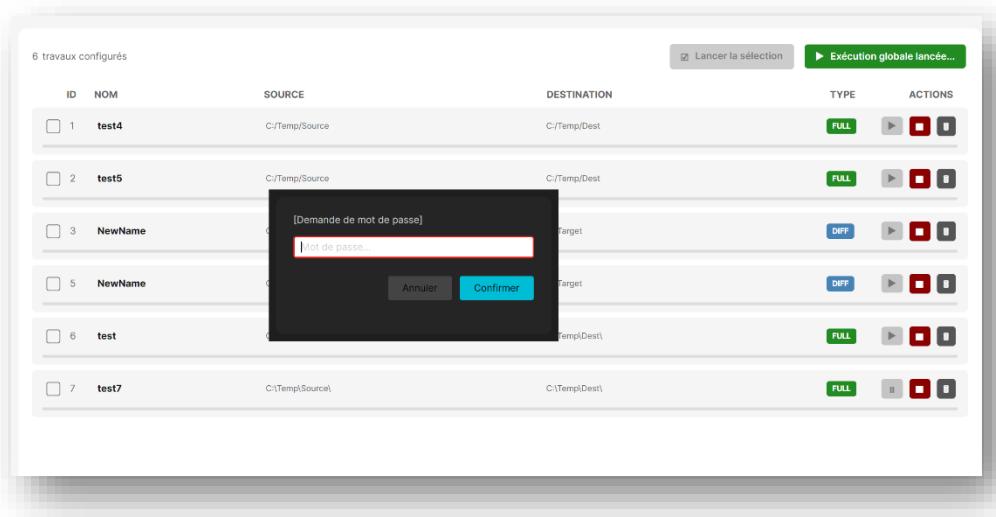
### 5.1 Configure the extensions to encrypt

1. Go to "Settings"
2. In "Crypto extensions", add the desired extensions (ex: .txt, .docx, .pdf)
3. Save the settings by pressing the small blue cross on the right



## 5.2 Encryption process during a backup

When a job starts and files matching the extensions to be encrypted are detected, EasySave displays a dialog box to request the encryption key. This encryption key is used to encrypt all the files concerned in this session.



### Important warning

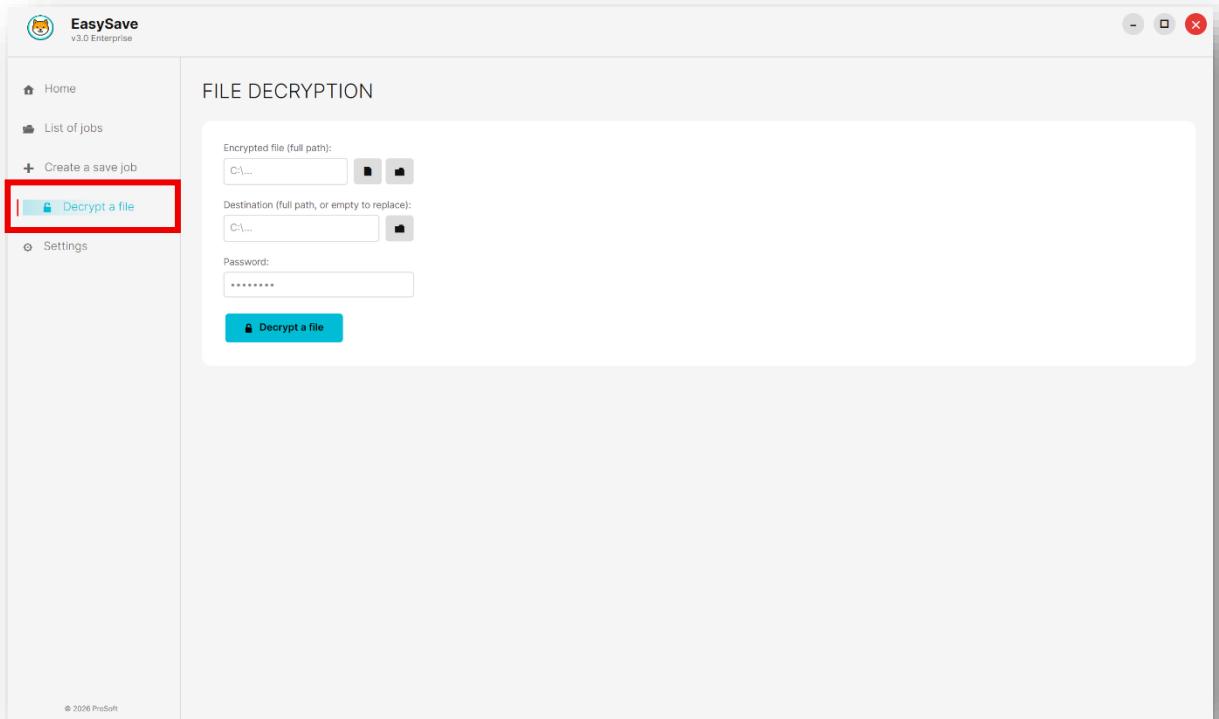
EasySave never stores your encryption key.  
If you lose your encryption key , the encrypted files will be permanently inaccessible.  
It is advisable to keep your encryption key in a secure encryption key.

## 6. Decryption of files

EasySave allows you to decrypt a previously encrypted file during a backup, to restore it to its original and readable state.

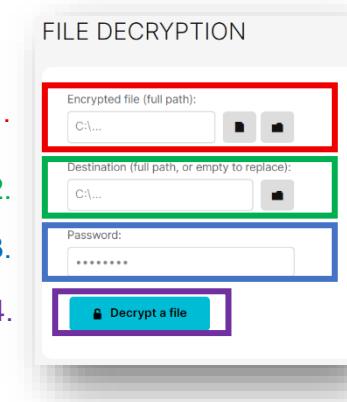
### 6.1 Access the decryption function

The decryption function is accessible from the side menu by clicking on '**Decrypt a file**'



### 6.2 Decryption procedure

1. Indicate the full path of the cipher file to be restored
2. Specify the destination path for the decrypted file
3. Enter the encryption key
4. Click on "Decrypt a file"



## 6.3 Possible outcomes

Displayed message	Meaning	Action to be taken
"File decrypted successfully in X ms"	The file has been decrypted successfully. X indicates the time of the operation in milliseconds.	None. The file is available at the indicated location.
"File decrypted successfully in X ms - Y/Y files"	All files in the folder have been decrypted successfully.	None. The files are available at the indicated location.
"Y/Y files OK - Z errors"	The decryption of the folder is partial. Some files could not be decrypted.	Check the encryption key and try again on the error files.
"Error during decryption (incorrect encryption key or invalid file)."	The encryption key entered is incorrect or the file is corrupted.	Check the encryption key (uppercase, lowercase, special characters) and try again.
"Encrypted file not found."	The source path does not match any existing file or folder.	Check the source file path and try again.
"Error: All fields must be filled out"	The source path or encryption key has not been provided.	Fill in all the required fields before starting decryption.

### Council

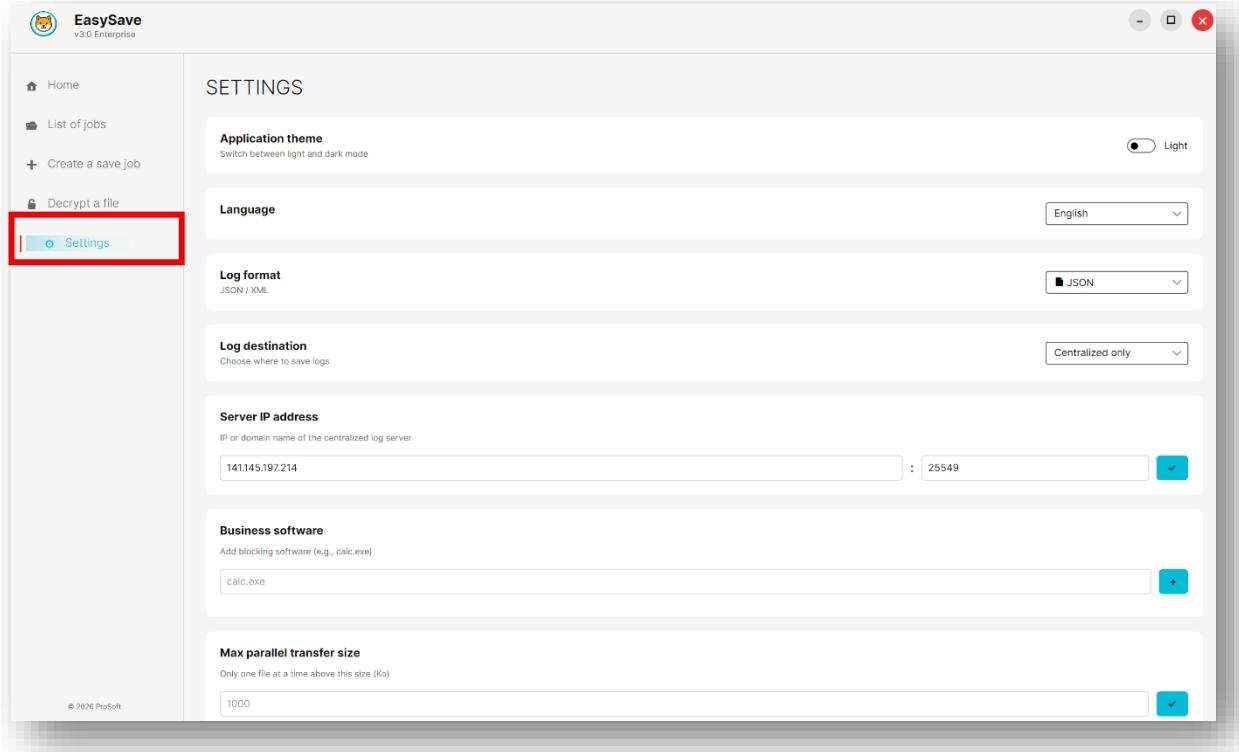
If decryption fails, check capitalization and special characters carefully.

## 6.4 Note on batch decryption

The decryption is carried out file by file via the graphical interface. If you need to decrypt multiple files, repeat the procedure for each one.

## 7. Application settings

Access via “Settings” in the side menu. Changes are saved in a JSON configuration file on your machine.



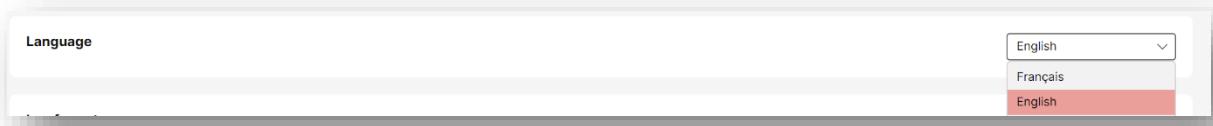
### 7.1 Application theme

- Dark mode: black background interface, recommended in low light environment
- Light mode: white background interface, recommended in bright environment



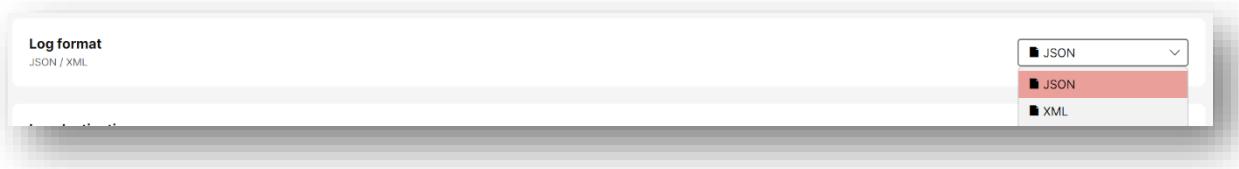
### 7.2 Language

Select the language from the drop-down list. The language is applied instantly, without restarting.



## 7.3 Log format

Select the log format from the drop-down list.



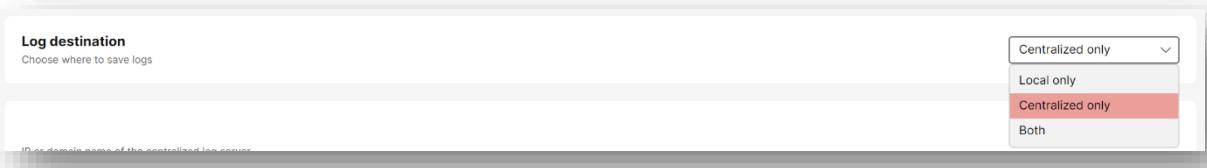
Format	Description
JSON	Structure format readable by computer tools. One file per day (ex: 2025-02-24.json).
XML	Structure format compatible with many reporting tools. One file per day (ex: 2025-02-24.xml).

## 7.4 Log destination

EasySave can send the logs to three destinations:

Option	Description
Local only	Logs are written only on the local disk of the machine.
Centralized server	The logs are only sent to a remote log server (configurable IP and port).
The two	Logs are written locally AND sent to the server. Default option.

Select the destination of the work from the dropdown list



## 7.5 Configuration of the log server

**Configuration of the log server**

Server IP address: 127.0.0.1 by default (editable in the Settings)  
Server port: 25549 by default (editable in the Settings)  
The unsent logs are queued and sent as soon as the connection is restored.

**Server IP address**  
IP or domain name of the centralized log server

141.145.197.214 : 25549

## 7.6 Business software

Add the names of the processes to be monitored (ex: SAP.exe, Excel.exe). When one of these processes is detected active, EasySave automatically pauses all current jobs and blocks the launch of new ones. The jobs automatically resume when the process is closed.

Enter the business software that you wish to implement by blocking, then click on the blue '+' on the right so that it is taken into account

**Business software**  
Add blocking software (e.g., calc.exe)

calc.exe

## 7.7 Priority files

EasySave manages a system of priorities by file extension. The files whose extension is defined as priority in "Settings" are processed first, before all others, and this in all jobs running simultaneously.

During the processing of priority files, non-priority files from all active jobs are blocked and wait for all priority files to be completed before resuming.

Enter the priority file(s) you want, then click on the blue '+' to the right so that it is taken into account

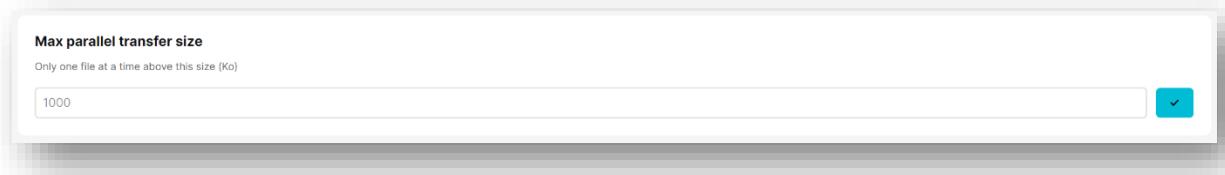
**Priority files**  
Enter the file types that will be copied first. No non-priority files will be transferred while there are priority files pending. (e.g., .txt, .doc, .pdf)

.pdf

## 7.8 Large file management/ Parallel transfer

Files that exceed the "Max parallel transfer size" threshold (configurable in "Settings", default : 1000 Ko) are transferred one by one, even when running in parallel. This avoids network or disk saturation. The small files are copied in parallel without restriction.

Enter the maximum file size that can be transferred in parallel that you want then click on the blue " + " to the right so it is taken into account



Settings	Description	Default value
Max parallel file size (Ko)	Beyond this threshold, the files are transferred one by one to avoid saturation.	1000 Ko (1 Mo)

## 10. Glossary

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Terme	Definition
Job	Backup task configured with a source, a target and a type (full or differential).
Full backup	Copies all files from the source directory, whether they have changed or not.
Differential backup	Copies only files whose modification date is more recent than in the destination folder.
AES-256	Highly secure symmetric encryption algorithm used by EasySave to protect files.
Decryption	The reverse operation of encryption, which restores a file to its original readable state.
Priority expansion	File extension processed with priority before others during parallel backups.
Business software	An application whose presence automatically blocks the launching and execution of jobs.
Log	Trace file recording all operations performed by EasySave.
Log server	Remote server receiving logs in real time via a TCP connection (port 25549 by default).
Avalonia UI	Open-source, cross-platform graphical framework used to develop the EasySave interface.