

# User Manual :



# EasySave v1.0

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## Launching the software :

To start the software, simply go to the folders in the following order:

 bin	26/11/2022 23:42	Dossier de fichiers
 Debug	30/11/2022 14:34	Dossier de fichiers
 net7.0	30/11/2022 21:41	Dossier de fichiers

And run the following executable:

 Projet Programmation Système.exe	30/11/2022 22:53	Application	151 Ko
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Here is the complete path:

*Projet-Programmation-Systeme\bin\Debug\net7.0\Projet Programmation Système.exe*

**When you start up, you can choose from several options numbered from 1 to 7.  
To select one of them, just type the corresponding number.**

```
Choose an option :  
1 - Execute backup job  
2 - Create a backup job  
3 - Modify a backup job  
4 - Delete a backup job  
5 - Restore backup job  
6 - Change language  
7 - Quit
```

The following pages will explain how they work.

## Using the software:

### 1 - Run backup jobs

After selecting the option, you will be asked if you want to run all the jobs or just a particular job:

- "o" for yes
- "n" for no

```
Do you want to execute all your backup job ? (y/n)
```

Otherwise, the program will ask you about the unique job to be executed. Then enter the corresponding number on the keyboard:

```
Choose a backup job to execute
1 - Daily report / 1
2 - Empty
3 - Empty
4 - Empty
5 - Empty

Choose a slot :
1
```

Once the task is completed, you should see the message **"Done!"**, as well as the file(s) in the folder in question.

```
Processing files . . .

Done !
```

**Note:** To run one or more backup jobs, make sure you have the source and destination folders for the desired job(s).

**Note 2:** The file names scroll on the screen during execution, however, they are more visible with large backups.

### Illustration :

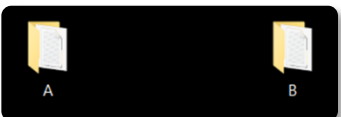
Before :



Nom	Modifié le	Type	Taille
Daily report.txt	30/11/2022 22:39	Document texte	0 Ko

Nom	Modifié le	Type	Taille
Le dossier est vide.			

After :



Nom	Modifié le	Type	Taille
Daily report.txt	30/11/2022 22:39	Document texte	0 Ko

Nom	Modifié le	Type	Taille
Daily report.txt	30/11/2022 22:39	Document texte	0 Ko

## 2 - Create a backup job

To create a backup job, simply choose an empty location by typing a number from **1 to 5** on your keyboard.

```
On which slot would you create this backup job ?
1 - Empty
2 - Empty
3 - Empty
4 - Empty
5 - Empty
```

**Note:** If you select a location already in use, it will be overwritten.

You will be asked to fill in the following information in succession:

```
Choose a slot :
1
Choose a name for this backup job :
Daily report
Choose the source folder :
C:\Users\issel\Desktop\A
Choose the destination folder :
C:\Users\issel\Desktop\B
full (1) or differential (2) backup ?
1
```

**Note:**

The source file location is the file/folder you want to copy. The location of the destination file corresponds to the file/folder where you want to copy it.

**A full or differential backup is offered, which means that:**

- (1) All files are copied from folder A to folder B (overwriting redundancies).
- (2) Or only the missing/changed files are copied from folder A to folder B.

### 3 - Modify a backup job

To modify a backup job, you will need to select one by typing the corresponding number as below.

```
Which backup job do you want to modify ?  
1 - Daily report / 1  
2 - Empty  
3 - Empty  
4 - Empty  
5 - Empty  
  
Choose a slot :  
1
```

You have the possibility to fill in only some fields, in order to change only the elements to be updated.

```
Choose the new name for this job (empty if it is the same) :  
Weekly report  
Choose the new source path for this job (empty if it is the same) :  
  
Choose the new destination path for this job (empty if it is the same) :  
  
Choose the new type (full (1) or differential (2)) for this job (empty if it is the same) :  
2
```

**Note:** To leave a field intact, press the **"Enter"** key on your keyboard.

We can see that the change is well done.

```
1 - Weekly report / 2  
2 - Empty  
3 - Empty  
4 - Empty  
5 - Empty
```

#### 4 - Delete a backup job

To delete a backup job, simply choose a location by typing a number from **1 to 5** on your keyboard.

```
Which backup job do you want to delete ?  
1 - Weekly report / 2  
2 - Empty  
3 - Empty  
4 - Empty  
5 - Empty  
  
Choose a slot :
```

A validation as below is requested:

- "o" for yes
- "n" for no

```
Are you sure that you want to delete this backup job ? (y/n)
```

We can see that the change is well done.

```
1 - Empty  
2 - Empty  
3 - Empty  
4 - Empty  
5 - Empty
```

## 5 - Restore backup jobs

After choosing the option, you will be asked whether you want to restore all backups or only a particular one:

- "o" for yes
- "n" for no

```
Do you want to restore all your backups ? (y/n)
```

Otherwise, the software will ask you about the single backup to restore. Enter the number of the backup you want to restore using the keyboard:

```
Choose a backup job to restore
1 - Daily report / 1
2 - Empty
3 - Empty
4 - Empty
5 - Empty

Choose a slot :
1
```

Once the task is completed, you should see the message **"Done!"**, as well as the file(s) in the folder in question.

```
Processing files . . .
Done !
```

**Note:** To restore one or more backups, make sure you have the source and destination folders for the job(s) you want to restore.

**Note 2:** The file names scroll on the screen during restoration, however, they are more visible with large backups.

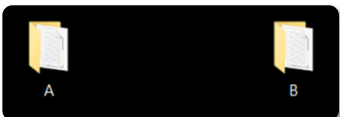
### Illustration :

Before :



Nom	Modifié le	Type	Taille
Le dossier est vide.			
Nom	Modifié le	Type	Taille
Daily report.txt	30/11/2022 22:39	Document texte	0 Ko

After :



Nom	Modifié le	Type	Taille
Daily report.txt	30/11/2022 22:39	Document texte	0 Ko
Nom	Modifié le	Type	Taille
Daily report.txt	30/11/2022 22:39	Document texte	0 Ko

## 6 - Change language

Once you have selected the option, you will be asked to choose between the available languages by typing the corresponding number on your keyboard:

1 - "FR" for French

2 - "EN" for English

```
Choose a language :  
FR : 1 - EN : 2
```

Example of language change:

```
La langue a été modifiée  
  
Choisissez une option :  
1 - Exécuter travaux de sauvegarde  
2 - Créer un travail de sauvegarde  
3 - Modifier un travail de sauvegarde  
4 - Supprimer un travail de sauvegarde  
5 - Restaurer travaux de sauvegarde  
6 - Changer la langue  
7 - Quitter
```

```
Language successfully changed  
  
Choose an option :  
1 - Execute backup job  
2 - Create a backup job  
3 - Modify a backup job  
4 - Delete a backup job  
5 - Restore backup job  
6 - Change language  
7 - Quit
```

## 7 - Exit

Once you have selected the option, simply validate/refuse by typing :

- "o" for yes

- "n" for no

```
Are you sure you want to quit ? (y/n)  
y
```



## Location of logs:

The logs allow you to check where the error in the use of the software comes from.

To access the logs (after opening the program at least once), you can type the following keyword in the search bar:



The logs are located in the following folder:



You have three possibilities once it is open:

- In **"logs"** you can consult all the logs of each day (one file per day), where you made the backup.
- In **"activeState"** you can consult the logs of the job(s) currently running.
- Or in **"SaveBackupJob.json"** you can consult the daily logs of all the jobs executed on the day (stored in **"logs"** afterwards).

logs	30/11/2022 22:13	Dossier de fichiers	
activeState.json	30/11/2022 22:39	JSON File	1 Ko
SaveBackupJob.json	30/11/2022 23:44	JSON File	1 Ko

Example of daily logs:

```
{
  "id": "1",
  "name": "Daily report",
  "sourcePath": "C:\\Users\\issel\\Desktop\\A",
  "destinationPath": "C:\\Users\\issel\\Desktop\\B",
  "type": "1"
},
{
  "id": "2",
  "name": "",
  "sourcePath": "",
  "destinationPath": "",
  "type": ""
},
{
  "id": "3",
  "name": "",
  "sourcePath": "",
  "destinationPath": "",
  "type": ""
},
{
  "id": "4",
  "name": "",
  "sourcePath": "",
  "destinationPath": "",
  "type": ""
},
{
  "id": "5",
  "name": "",
  "sourcePath": "",
  "destinationPath": "",
  "type": ""
}
```