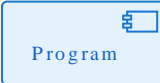


Component Diagram - EasySave V1.0
ProSoft Project - Deliverable 1 - Group 1

EasySave Application

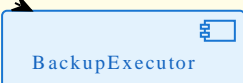
Presentation



Console entry point

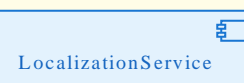
+ Main(string[] args)
- ShowMenu()
- ExecuteCommand(cmd)

Services



Backup orchestration

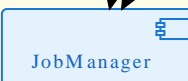
+ ExecuteSingle(job, logger, state)
+ ExecuteSequential(jobs, logger, state)
+ ExecuteFromCommand(cmd, manager, logger, state)



Multilingual support FR/EN

+ GetString(key): string
+ SetLanguage(code): void

Managers



Configuration → config.json

+ LoadJobs(manager)
+ SaveJobs(manager)

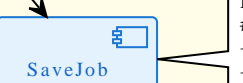
Job management (max 5)

+ Jobs: IReadOnlyList<IJob>
+ AddJob(job) / RemoveJob(name)
+ GetJob(index) / GetJob(name)

Real-time state → state.json

+ UpdateJobState(job, state)
+ SaveState()

Models



Backup job entity

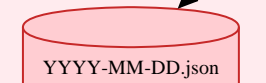
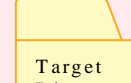
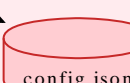
+ Name: string
+ SourcePath: string
+ TargetPath: string
+ Type: SaveType



Job state entity

+ State: Active/Inactive
+ TotalFilesToCopy: int
+ Progression: double
+ NbFilesLeftToDo: int

External Resources



«DLL» EasyLog.dll



Daily logging service

+ LogFileTransfer(timestamp, job, src, dst, size, time)
+ Initialize()
- GetDailyLogFilePath(): string

Log entry structure

+ Timestamp: DateTime
+ JobName: string
+ SourceFile / TargetFile: string
+ FileSize: long
+ TransferTimeMs: long

«Interfaces»

