

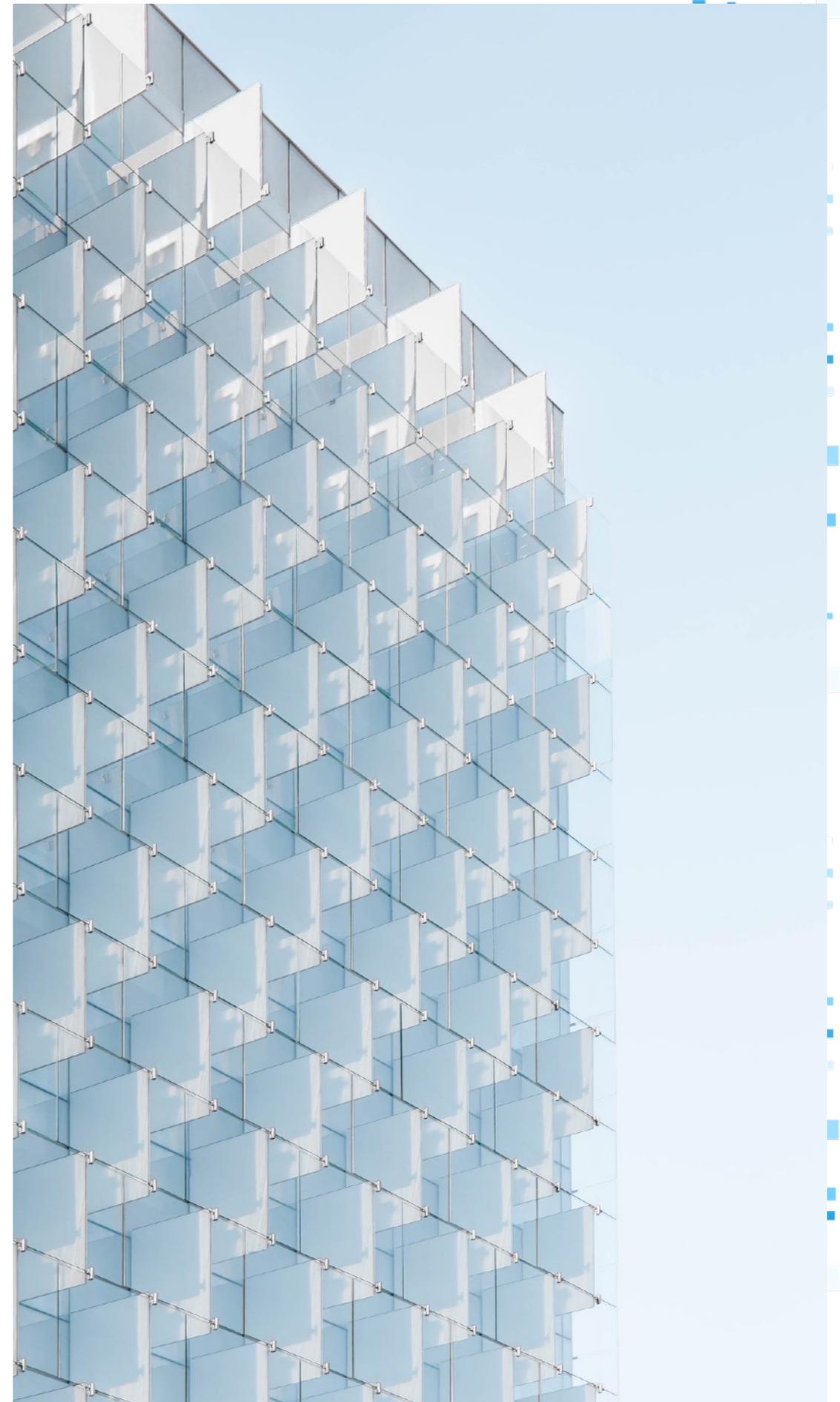
WHITE PAPER

ACCOUNTING & TAX DEPARTMENT

Automated Financial Services

Automated Reporting

- ✓ Automate reporting calculation processes
- ✓ Eliminate human mistakes and tedious tasks
- ✓ Report faster and accurately



Drive agility and efficiency to your financial operations by automating reporting processes.

Eliminate manual or Excel calculations, long processing times and human mistakes by automating your reporting processes. **From statutory reports to group consolidation, explore here the architecture that leads to a more efficient and secure reporting workflow.**

REPORTING PROBLEMATICS

- ✗ **Manual calculations**
Excel transformation and calculations lead to human mistakes and are based on employee's know-how.
- ✗ **Processing time**
Complex and repetitive, reporting is a time-consuming process, deadlines are hard to meet and executives lack information and agility.
- ✗ **Traceability and security**
Mistakes resulting from manual intermediate transformations are hard to identify and correct, implying a risk for the company.

AUTOMATION OBJECTIVES

- ✓ **Automated calculations**
Tailor-made algorithms perform the calculations and data transformations needed for the report.
- ✓ **Instantaneous process**
Calculations do not require human interaction, leaving the workforce to value-added analytical and presentation operations.
- ✓ **Secure and traceable workflow**
Every calculation or data transformation step is securely stored and logged in an audit-trail.

Automating recurring and time-consuming financial processes enhances the efficiency, agility and security of the entire Financial Department.

Reporting, although being highly digitalised today, is still a very tedious task, mainly relying on human interaction. **Calculations are done by employees through desktop softwares (Excel),** making the process subject to employees workload and knowledge, facing possible human mistakes and hardly traceable.

Automating the reporting processes specifically means automating all the calculations and data transformation needed to create a report. The internal recipe (process) of the company is encoded in an algorithm that extracts the needed data from various sources to transform it and create any type of report.

ACTUAL REPORTING PROCESSES

MANUAL BEFORE 1995

Calculations are done manually and via calculators.

The process is not secured, subject to numerous mistakes, hardly traceable and highly time-consuming.



DIGITAL SINCE 2000'S

Most of the calculations are done using a calculation software (Excel).

The process does not eliminate manual repetitive and time-consuming actions, as well as human errors.



AUTOMATED SINCE 2020'S

Calculations are implemented in an algorithm and do not require manual interaction.

The process becomes code, the calculation is almost instantaneous, always accurate and fully traceable.



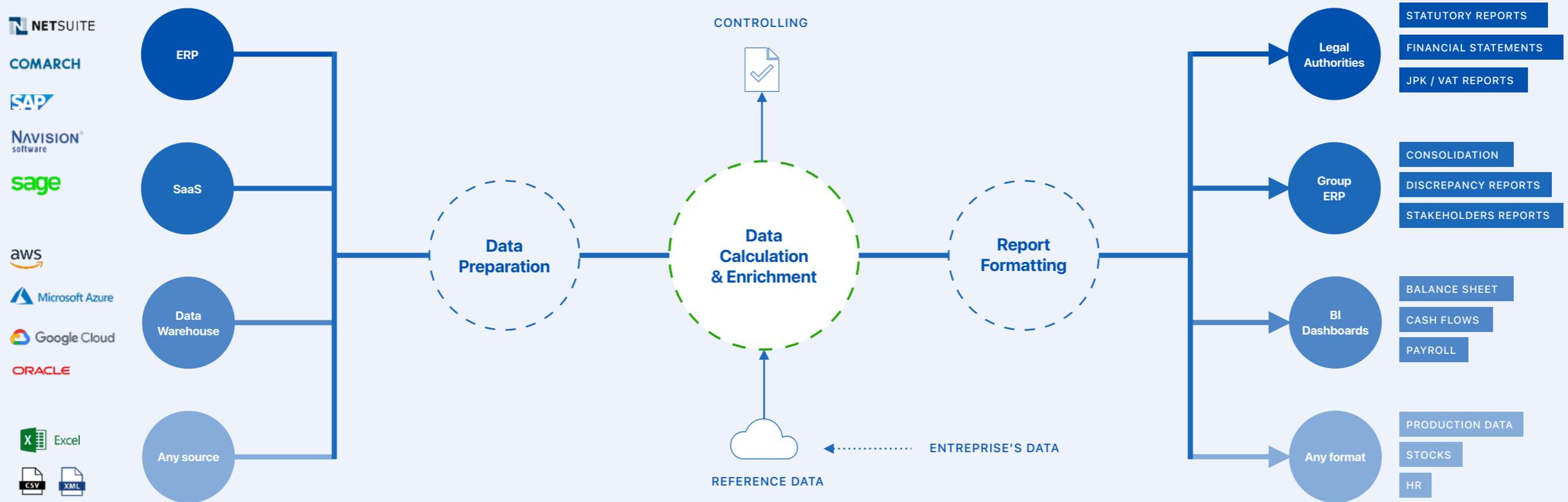
For a Financial and Accounting department, automating reporting processes leads to a higher time spent on value-added tasks, such as analytics or presentation; **it focuses the workforce on skills that can not be automated,** rather than on executing recurring, risky and fastidious operations.

Automating report calculation processes eliminates human mistakes and drastically reduce the time to report.

For Executives, it is a key enabler for reporting faster, always accurately and without the need of any additional resources. **It is a path to a more efficient, secure and modern Financial Department.**

Process Workflow Automated Reporting

The automation workflow can **extract data from any of the enterprise's sources to feed any type of report.**
The process is executed in a secure cloud environment, fully traceable and auditable.



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■ PROCESS SPECIFICATIONS

Data sources

Data is automatically extracted from any ERP or software, or uploaded manually to a repository. The process can integrate and transform any source and format of data.

Data preparation

Data is cleaned and stored into a standard noSQL database. It can be controlled prior to the transformation.

Data calculation & enrichment

All the calculations and data transformation tasks are performed by a tailor-made algorithm. There is no manual action, and every transformation step is traceable.

The algorithm uses Reference data, sets of data used to enrich the dataset or perform more complex and specific calculations.

The process can also be controlled at this stage, to ensure the coherency and accuracy of the transformation

Report formatting

Data is selected, reorganised and formatted to match the requested reporting format. Once the calculations are done, multiple reports can be formatted from the same workflow.

Report output

The report can then be loaded directly to any of the company's ERP or solution, as well as automatically posted to legal authorities. The raw calculations results are also always available in any data format (csv, xml, json).

Automated Reporting : use case

Discrepancy reports

We explore here the specific process of discrepancy reports, and **how we can secure any process by generating discrepancy reports following any custom rule, to track any mistakes and incoherences.**

Any financial process produces its amount of mistakes and incoherences in the data and calculations.

discrepancy reports isolates the data that follows the implemented rules, for a further action to be taken.

Automated discrepancy reports give us the opportunity to identify any error, mistake or any custom rule that needs to be tracked. **Attached to an original process, such as reporting, legal files among others,** the automated

To generate discrepancy reports, we build tailor-made algorithm fed with Reference Data – data libraries from various sources that help us matching, calculating or transforming the data according the the company’s standards.

■ AUTOMATION SPECS

Reference Data

The data we use in our algorithms comes from 3 sources.

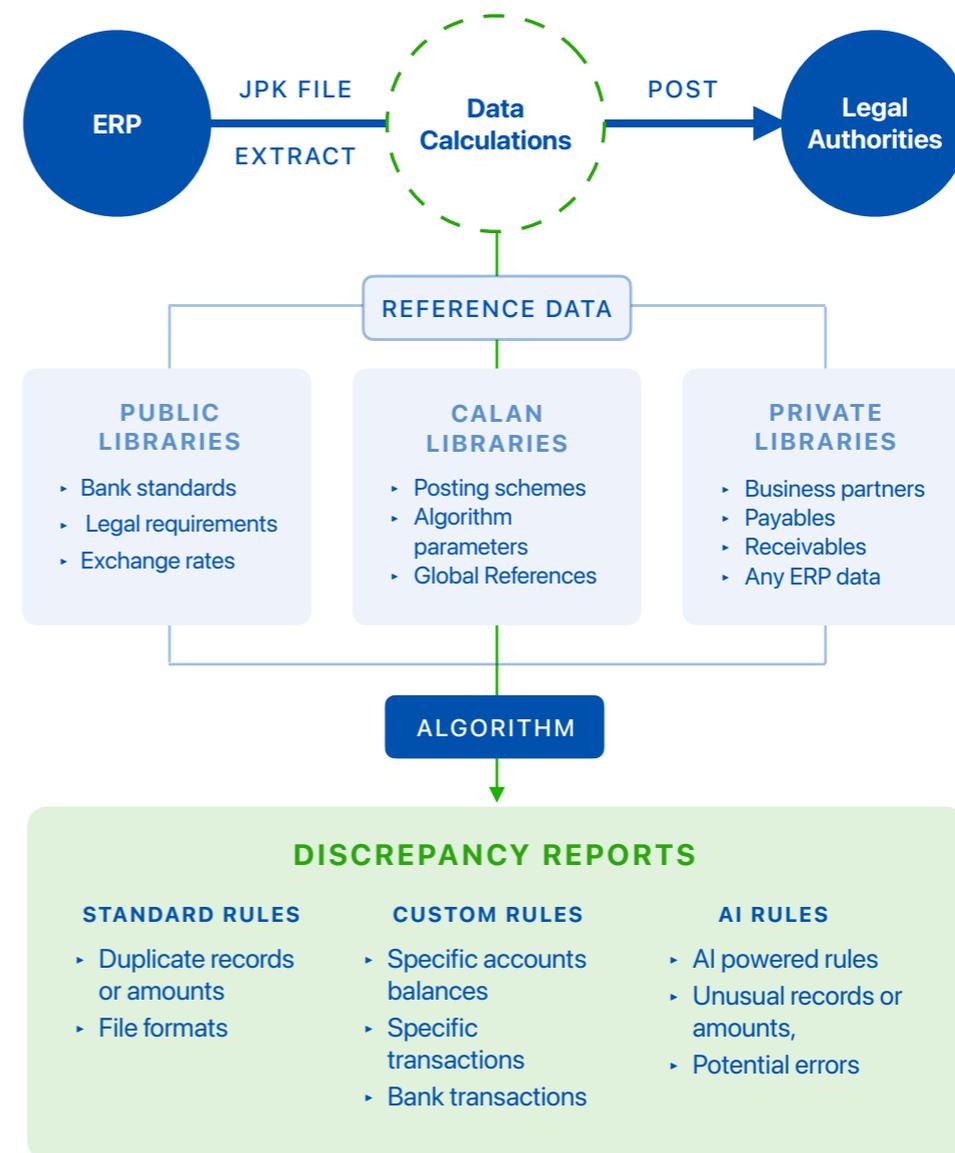
- **Company Librairies**, with data from your ERPs or SaaS, to match client account numbers, or any type of data.
- **Banks Librairies**, to have a track record of your past transactions and the standard bank schemes.
- **Calan Librairies**, our custom librairies to create more performant and effective algorithms.

Algorithm

We implement **any type of rule or parameter in a tailor-made and fully flexible algorithm**. From the same calculations, many discrepancy reports, involving different type of data, can be generated at once.

The algorithm can be **adjusted at any time** and edited for any particular situation.

■ DISCREPANCIES ON JPK FILES



Calan, driving innovation to your Financial Department through Automated Financial Processes.

Following the digitalisation of the financial departments, **the emerging possibility of process automation and robotisation** enhances new organisational structures that leads **to a more efficient, secure and modern Financial Department.**

■ CLIENT USE CASE | AUTOMATED REPORTING

Client problematic

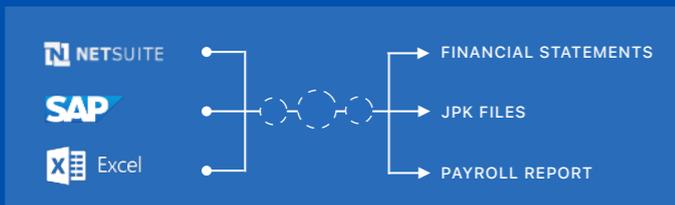
Report timeframe and number of versions

⊗ Previous workflow

2 to 3 possible versions of the report, due to corrections, edits and reporting schedule.

✔ Automated process

As many corrected versions as needed; automated calculations leave time for a more precise and in-depth analysis.



Modern technologies such as **Cloud computing, Machine learning or AI** give us the ability to build and execute complex algorithms that automate financial processes by extracting, transforming and uploading data from any source and to any target.

Automation is the step after digitalisation.

Nowadays, every financial process is digitalised – executed via computer softwares and calculation tools, such as Excel. Digital processes highly facilitate the operations of the department, although they do not eliminate time-consuming and risky manual tasks.

Automating a process means transferring a partly or total manual process to a code that executes by itself. It eliminates human processing and so associated time to execute and potential errors.

Implementing automated processes is more reliable than integrating new softwares or ERPs.

It gives an entire propriety and freedom for the company to tailor-made its calculations and edit them over the time. The process is code, making it fully reliable and independent from manual interaction.

Automating financial processes eliminates recurring, risky and tedious tasks currently done manually.

By automating financial processes, we execute faster and more accurately, without the need of additional workforce. We reorientate employee's work on value-added operations, eliminating fastidious and recurring tasks, ensuring a greater motivation; **it leads to a more efficient, reliable and secure Financial Department.**

■ AUTOMATION PROTOTYPE

Describe us some of your current financial processes and **we will develop a prototype to automate it, that you can quickly implement.** It can be automating:

- ▶ accounting entries
- ▶ reporting
- ▶ payroll
- ▶ HR
- ▶ bank or tax files
- ▶ or any kind of data related process.

[CLICK HERE TO SCHEDULE A PROTOTYPE >](#)

■ OUR TECHNOLOGIES



ETL (Extract, Transform and Load)

ETL are three database functions that are combined into one tool to pull data out of one database and place it into another database.



Robotic Process Automation

With RPA, software users create software robots, or "bots", that can learn, mimic, and then execute rules-based business processes.



Cloud Computing

Cloud computing is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence scale.



Machine learning and AI

The use and development of computer systems that are able to learn and adapt by using algorithms and statistical models.

Request a demo

Contact us

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Calan ■

Created in 1993, we build financial and data infrastructures for listed companies and their subsidiaries.

We focus on delivering high-end technologies and processes for companies managing large amounts of data and workforce.

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