



# SAP connection to Cloud4Log

A service for efficient data transmission

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## Introduction

The creation and processing of delivery note data in companies often requires time-consuming manual processes that can lead to delays and errors. Delays not only have an impact on customer satisfaction but can also lead to operational bottlenecks and inaccurate delivery time forecasts. This is where a complementary service to Cloud4Log comes into play, which offers a seamless connection to SAP.

This additional service offers a tailor-made adaptation for the digitization of the delivery note. It allows companies to automate the entire process and track delivery note data in real time. By connecting Cloud4Log to SAP, manual effort is reduced, and data quality is improved.

## Added value of the SAP interface

The seamless interface between the two systems provides an entry point for the automatic transfer of delivery notes for the shipper in outgoing goods. The entire process is completed by sending processed delivery notes and goods receipt documents from Cloud4Log back to SAP. This saves time and manual activities.

Another decisive added value of the complementary Cloud4Log service is the flexibility in the processing of delivery note data. In addition to the use of delivery notes in human-readable PDF format, the additional service also enables the processing of delivery note data in machine-readable formats such as JSON or XML. These formats facilitate the automated further processing of the data in other systems and processes. As a result, companies can further optimize their logistics processes and benefit from even more efficient data processing.

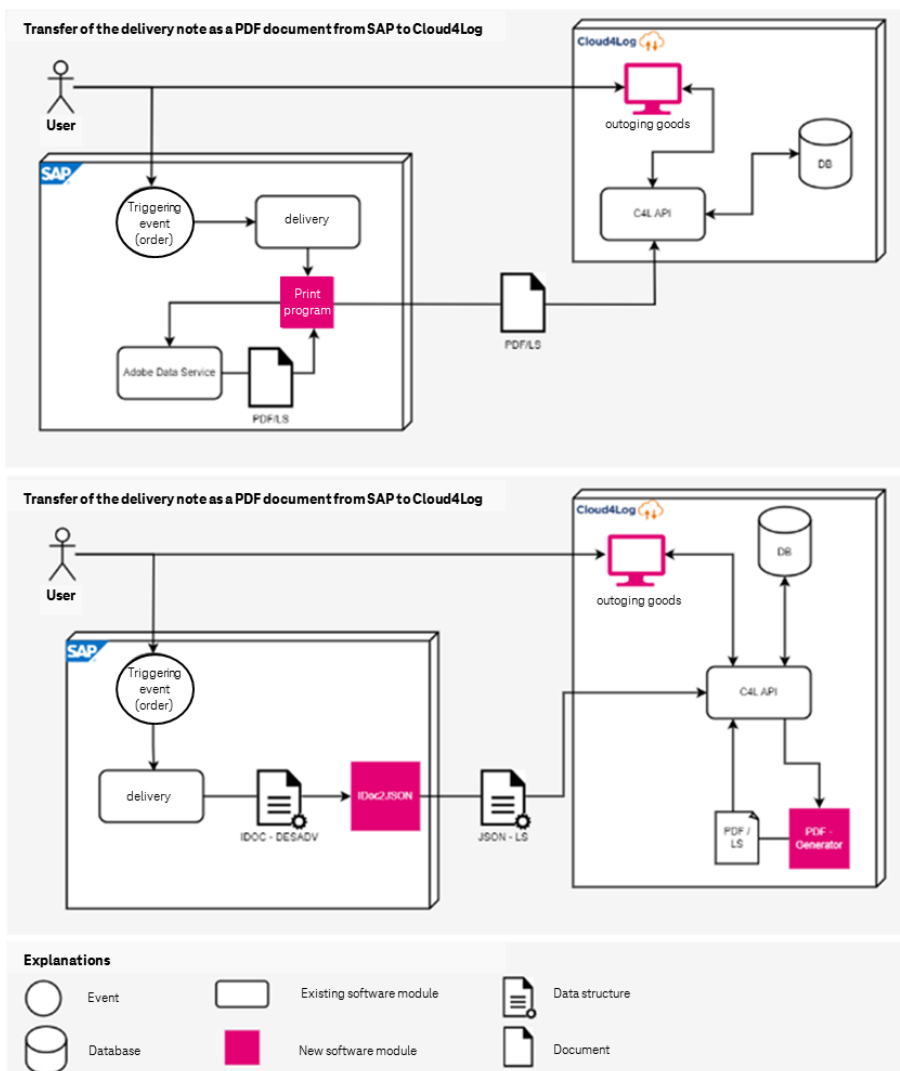


Figure 1: Architectural image

## Procedure

T-Systems' consulting services include a comprehensive analysis of customer requirements, integration and configuration of the interface, adaptation, and mapping of the data fields, as well as test execution and documentation of the connection. Development work is the implementation of transport via configuration tables for structures and domains as well as the provision and configuration of a processing class for the logic. In addition, sample reports for the PDF document and a building block for the transfer of the raw data are offered. There is no adaptation to customer-specific development guidelines. The service components offered are based on a blueprint, which forms the foundation for successful interface integration.

Furthermore, when using machine-readable formats, a PDF template is made available for display or download in the supplementary Cloud4Log service.

The service feature includes the following steps:

- 1) Requirements assessment: In this workshop, together with the consultant and the business department, the necessary requirements are recorded and discussed on how they can be covered during implementation. The results of the workshop will be documented in a functional specification.
- 2) The connection structure is defined in cooperation with the consultant and the department. This structure is then used to set up the connection between different systems, for example SAP and Cloud4Log.
- 3) Next, a key mapping is made between the two systems based on the defined structure. Mandatory fields and the fields to be mapped are listed with essential information such as relevant tables, field lengths, field formats, etc.
- 4) Based on the above information as well as the functional specification created in the first step, a technical specification is written. All necessary technical conditions and requirements are recorded in the form of a document.
- 5) Based on the technical specification, the connection between the systems is established. During configuration, aspects such as partner agreements, distribution models and transmission technologies are checked and defined.
- 6) Once the systems are configured and connected, a comprehensive review and assurance of data integrity is conducted through extensive testing of the connection. This ensures that the data is transmitted correctly.
- 7) In the HyperCare phase, we support our customers during the first four weeks of production to ensure that they have a smooth operation and receive support when problems arise.

## Scope

T-Systems estimates to spend about two weeks on the entire range of service features, starting with the requirements workshop, through the configuration of the interface, its integration into the process and testing. On the other hand, there is about twice the effort required for independent exploration of the interface. T-Systems provides a ready-made code that is adapted to the customer's circumstances.

The connection between the two systems can be adjusted via a configuration without changing the code. If the connection is made with expert support from T-Systems, the effort for development, implementation and maintenance is reduced and unnecessary costs are avoided. The offered SAP connection to Cloud4Log therefore provides a reliable solution for processing delivery note data. Additional resources and expenditure of work for manual processes can be reduced and thus increase efficiency.

## View

For the next releases, a stronger integration between SAP and Cloud4Log in the goods issuing department is planned. In addition to uploading delivery notes, it will be possible to automatically create so-called folders from the supplied supply chain information. These are used to bundle delivery notes when they are handed over to the driver.

The created folders and the associated delivery notes are enriched by further information that has already been entered in SAP. In the final expansion stage, the process to be conducted in the Cloud4Log complementary service can already be prepared from SAP. This means that in the supplementary service to Cloud4Log, only the driver's signature is provided and the subsequent handover of the delivery notes to the driver takes place.

**Would you like to know more about the SAP connection and learn how you can transfer your SAP data to Cloud4Log in a cost-efficient and automated manner? We support you in this!**

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