

eBilling Connector for SAP

Version 30.1

1. General Remarks

The AuthentiDate eBilling Connector and corresponding SAP Back-End add-ons enable the smooth connection of AuthentiDate signature products and services to SAP ERP systems. This enables companies to increase the productivity of the SAP ERP systems used.

SAP users use the eBilling Connector and SAP add-ons for visualizing and signing electronic invoices, checking signatures, distributing electronic invoices to invoice recipients and for linking electronic invoices to SAP documents in an integrated process. Legal rights of use for the corresponding AuthentiDate products and services are the prerequisite for generating and validating signatures.

The eBilling Connector is implemented with SAP NetWeaver.

Out-of-the-Box functionality and preconfigured SAP integration is supplied, which does not require any in-house development on the part of the customer. Nevertheless, various activities such as installation and configuration are necessary for its operation.



2. Standard Performance

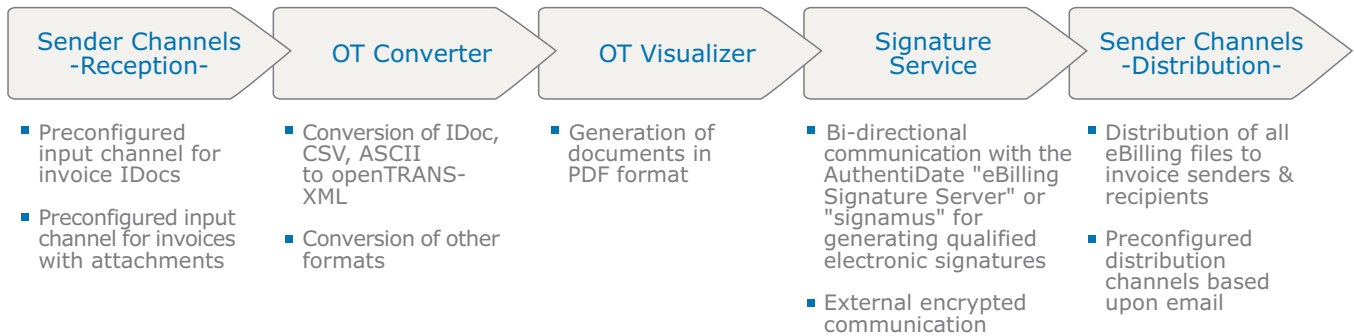
The AuthentiDate eBilling Connector provides invoice senders with an integrated process for the generation, visualization, signing and distribution of legally compliant electronic invoices. The selected architecture allows usage in heterogeneous (SAP and non-SAP) system environments as well. The supply package includes the AuthentiDate eBilling Connector and two SAP add-ons.

The add-on for the invoice sender (see 2.2 SAP ERP eBilling add-on for invoice sender) is designed for installation by the invoice sender who also operates the eBilling Connector. The add-on for the invoice recipient (see 2.3 SAP ERP eBilling add-on for invoice recipient) was specially designed for the requirements of invoice recipients with SAP systems. It allows easy and fast processing of qualified signed electronic invoices in one's own backend.

2.1 AuthentiDate eBilling Connector

The AuthentiDate eBilling Connector has been designed for integration in an SAP ERP as well as in other ERP systems. Out-of-the-Box integration is given for the SAP Release R/3 4.6c (and higher), mySAP ERP 2004 (and higher). Connection to ERP systems of other manufacturers is possible.

2.1.1 Range of functions



- Sender Channels - Reception (Reception of electronic invoices for the eBilling Connector process)
The eBilling Connector is preconfigured for the reception of electronic invoices from SAP ERP systems. Almost any input formats can be used for the connection to non-SAP ERP systems.

- OT-Converter (Invoice conversion according to eBusiness standards)
Incoming invoices are converted to the XML standard for eBusiness - openTRANS -.

- OT-Visualizer (PDF generation)
The eBilling Connector enables invoice data to be displayed in PDF format for visualizing the electronic invoices. The eBilling Connector can process language and company-specific templates for use within an international and group environment. The invoice template supplied can be replaced by a company-specific template.

- Signature Service (Communication with the AuthentiDate eBilling Signature Server)
Dependent on the requirements of the invoice recipient, the invoice is sent to the AuthentiDate eBilling Signature Server (or alternatively to the AuthentiDate Signature service "signamus") for signature generation either as a PDF file or as an SML invoice. The result of the signature process (electronic invoice, signature and optionally the signature protocol) is transferred back again to the eBilling Connector for further processing.

- Sender Channels - Distribution (Invoice distribution)
All invoice files are distributed to the invoice sender and invoice recipient in order to allow audit-proof integration of electronic invoices with SAP and other ERP systems. All invoice documents can be compressed before distribution if the invoice recipient desires this. The use of a compression process reduces the amount of data to be distributed and simultaneously provides easy handling even if associated documents (e.g. proofs of delivery, time sheets, etc.) are distributed together with the invoice.

2.1.2 System requirements

- SAP NetWeaver XI 3.0 with WebAS 6.40 or higher
- Adobe Document Server (a part of SAP NetWeaver)

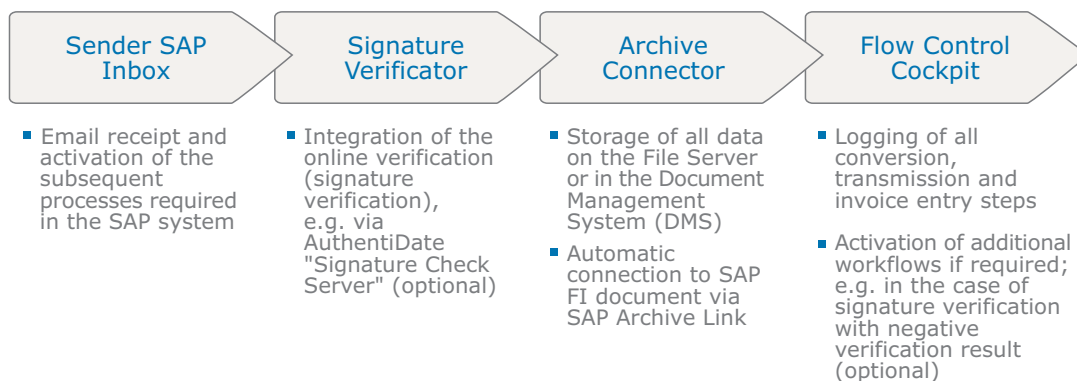
Optionally possible with system requirement: SAP NetWeaver Enterprise Portal 6.0 or higher

- Web-based recipient configuration
Portal roles provided for invoice recipients enable the recipient-oriented configuration of the eBilling process. The following features are possible, for example: The choice of invoice format (PDF file or XML), the use of compression processes such as ZIP, the choice of language, etc.
- Process monitoring and error management
Integrated functions for process monitoring allow you to view the current processing status of electronic invoices in the eBilling process at any time. Undesirable processing conditions are reported by the system automatically in order to detect and handle errors more efficiently.

2.2 SAP ERP eBilling add-on for invoice senders

The SAP ERP eBilling add-on for invoice senders provides all functionalities for verifying the signatures of electronic invoices and for connecting the signed invoices as well as the signatures and results of the signature verifications to the outgoing documents in the in-house SAP ERP system. The integrated Flow Control Cockpit logs the conversion, transmission and invoice entry steps and enables the activation of workflows.

2.2.1 Range of functions



- Sender SAP Inbox (Email receipt and further processing)
Receipt and separation of the signed invoice data in the SAP System.
- Signature Vericator (signature verification)
Verification of the signature integrity via the AuthentiDate "Signature Check Server" or via the Webservice Signature Check (the appropriate rights of use are required).
- Archive Connector (archiving and connecting to SAP data)
The signed invoice data (including the signatures and validation results if required) are connected to the original documents via the Archive Link interface according to the customer-specific settings in the SAP system
- Flow Control Cockpit (monitoring and logging)
The Flow Control Cockpit allows monitoring of the receipt and connection of data.

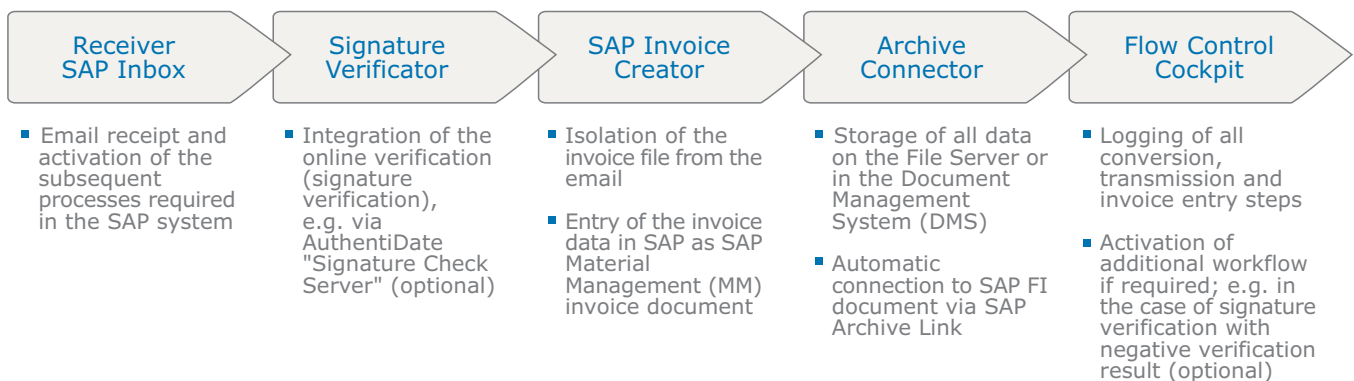
2.2.2 System requirements

- SAP R/3 4.6c or higher
- mySAP ERP 2004 or higher

2.3 SAP ERP eBilling add-on for invoice recipients

The SAP ERP eBilling add-on for invoice recipients provides all functionalities required for verifying the signatures of electronic invoices and for entering invoices. At the same time, the signed invoices (including signatures and results of the signature verifications) are entered in the in-house SAP ERP system and connected to the documents. The Flow Control Cockpit logs all conversion, transmission and invoice entry steps and enables the activation of workflows. This can take place after the signature verification in cases of error messages, for example. The SAP ERP eBilling add-on for invoice recipients is provided by AuthentiDate.

2.3.1 Range of functions



- Receiver SAP Inbox (Automatic import of the invoice documents)
Receipt and separation of the signed invoice data in the SAP system
- Signature Vericator (signature verification)
Verification of the signature integrity via the AuthentiDate "Signature Check Server" or via the Webservice Signature Check (the appropriate rights of use are required).
- SAP Invoice Creator (entry of signed, electronic incoming invoices)
The invoice data is entered in the SAP MM (Material Management) as invoice document.
- Archive Connector (archiving and connection to SAP data)
Connection of the invoice documents to the documents via SAP Archive Link.
- Flow Control Cockpit (monitoring and logging)
The Flow Control Cockpit allows monitoring of the receipt and connection of data.

2.3.2 System requirements

- SAP R/3 4.6c or higher
- mySAP ERP 2004 or higher