



eFlow

Booklet

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1. eFlow:

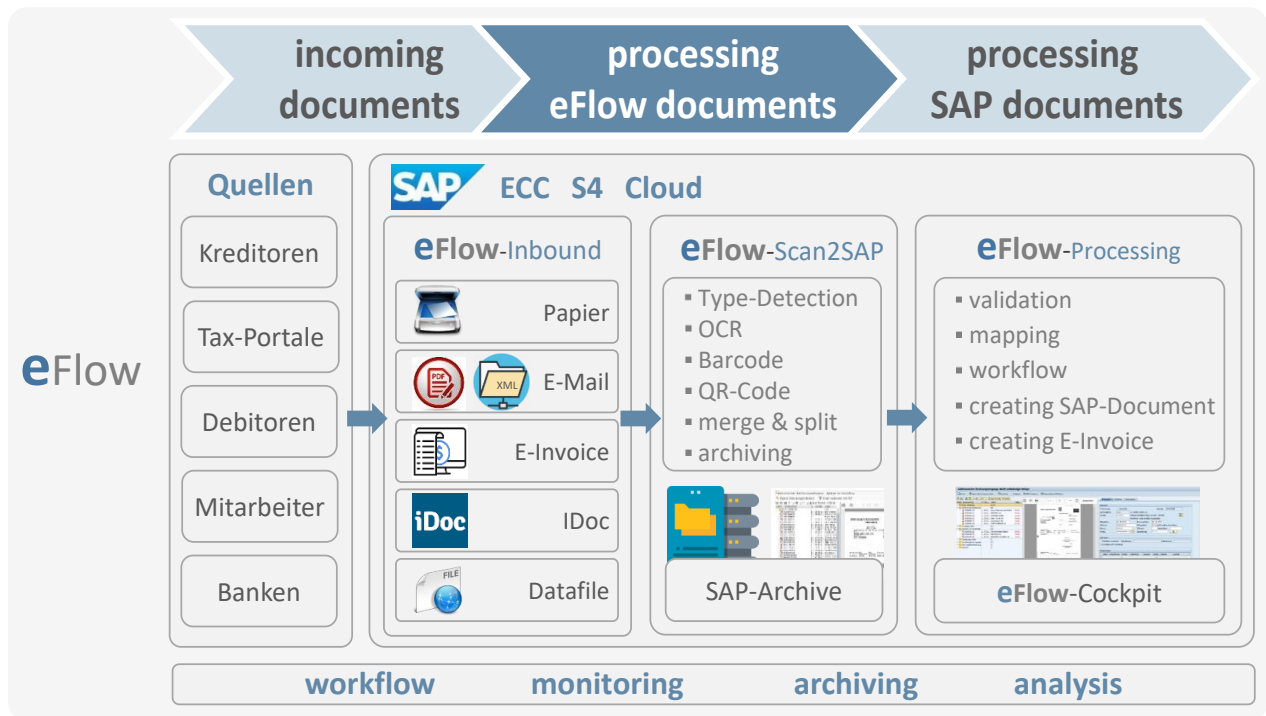
1.A Mainfunctions

- eFlow is used to automate and optimize **business documents** and **business processes** (accounts payable, expenses, accounts receivable, barcode documents, ...)
- eFlow includes all the necessary functions for **inbound, scanning, archiving, workflow** and **processing**.

1.B Unique selling points

- eFlow supports **all business documents** and **business processes** (not just vendors). This is the only way to achieve efficiency gains in all labor-intensive and/or frequent work steps and generate real cost savings.
- eFlow supports the **scanning** functions through the use of **artificial intelligence** and can thus achieve astonishingly good results in recognition and also in the automatic generation of the resulting SAP documents.
- eFlow is an SAP add-on **developed in ABAP** and therefore does not require **any additional hardware investments**.
- eFlow enables **unrivalled cost-<->-benefit ratio**.

1.C Big-Picture



eFlow-Inbound	<ul style="list-style-type: none"> ■ is the central hub for incoming documents from all connected sources. ■ processes the different formats from all sources and makes all relevant data uniformly available for the subsequent eFlow-Scan2SAP.
eFlow-Scan2SAP	<ul style="list-style-type: none"> ■ is the central document capture for all incoming electronic documents from all connected sources. ■ processes the different formats from the eFlow inbound and makes all relevant data uniformly available for the subsequent eFlow processing.
eFlow-Processing	<ul style="list-style-type: none"> ■ is the central cockpit for all incoming electronic documents from all connected sources. ■ ensures the validation and mapping of the different document types. ■ creates the desired workflows for the business transactions. ■ Generates the relevant SAP documents (e.g. vendor invoice, e-invoice, ...)
Workflow	<ul style="list-style-type: none"> ■ Rule-based and context-dependent determination of the workflow steps and responsibilities ■ e-mail as trigger and workflow input for approve/reject by the responsables
monitoring	<ul style="list-style-type: none"> ■ Request monitor as workflow inbox and monitoring
analysis	<ul style="list-style-type: none"> ■ In-place analyses (ALV-Grid) for all relevant data ■ InfoCockpit (MS-Excel) for various periodic and adhoc analyses

1.D eFlow Components / Business Transactions

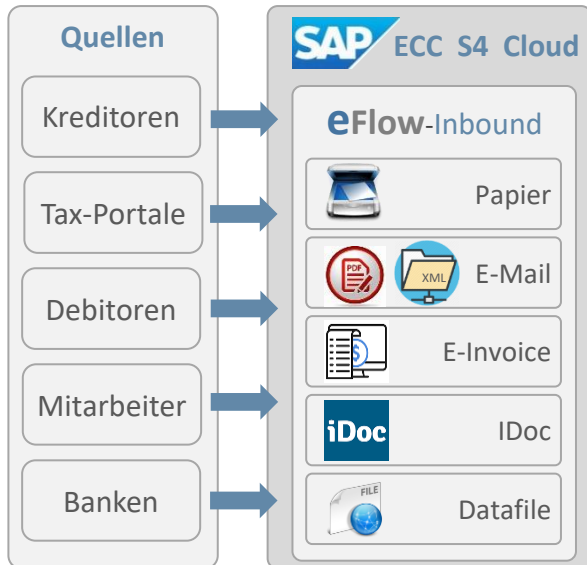
eFlow-Components	Quelle		eFlow-Inbound				eFlow-Scan2SAP					eFlow-Processing						Outbound							
	intern	extern	Papier	IDoc / XML	E-Mail / PDF	E-Mail / XML	E-Invoice / XML	Type-Detection	OCR	Bar- / QR-Code	merge & split	archiving	cockpit	validation	mapping	workflow	creating SAP document	creating E-Invoice	SAP-Beleg	Papier	IDoc / XML	E-Mail / PDF	E-Mail / XML	E-Invoice / XML	
creditor documents																									
purchase requisition	x		x	x			x	x	x	x	x	x							x						
request for quotation	x						x						x						x	x		x			
quotation		x	x		x		x	x	x	x	x		x	x	x	x									
purchase order	x						x						x						x	x	x	x	x	x	
purchase order confirmation		x	x		x		x	x	x	x	x		x	x	x	x									
delivery note		x	x		x		x	x	x	x	x		x	x	x	x									
invoice		x	x		x	x	x	x	x	x	x		x	x	x	x	x								
expenses documents																									
expense receipt		x	x		x		x	x	x	x	x		x	x	x	x	x								
debtor documents																									
request for quotation		x	x		x		x						x												
quotation	x						x						x						x	x	x	x			
sales order		x	x		x		x	x	x	x	x		x	x	x	x	x								
planned order	x						x						x						x						
production order	x						x						x						x						
maintenance order	x						x						x						x						
delivery notice	x						x						x						x	x	x	x			
invoice	x						x						x				x						x	x	
General ledger documents																									
bank charge, ...		x	x		x		x	x		x	x		x	x	x	x	x								
barcode documents																									
...	x		x		x		x		x	x	x		x												
IDoc documents																									
...	x			x			x		x		x		x	x	x	x			x						
IDoc documents																									
...	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x

2. eFlow Inbound

eFlow Inbound:

- is the **central hub** for incoming electronic documents from all connected sources.
- processes the different formats from all sources and makes all relevant data uniformly available for the subsequent **eFlow-Scan2SAP**.

2.A Big-Picture



The following are used as inputs:

- SAP-Office-Inbound (via SAP-Connect)
 - Scanned paper documents
 - E-Mail (PDF, XML)
 - E-Invoice
- IDoc
- Datafiles

The typical document types are:

- Vendor Documents
- Expense Documents
- Customer Documents
- G/L Accounts Documents
- Barcode Documents
- IDoc's

2.B E-Invoice

E-invoices can also:

- Sent as XML via email from the vendor
- can be picked up via **the eFlow interface** from a vendor portal or from a tax authority portal

2.C Datafile

Typical uses include:

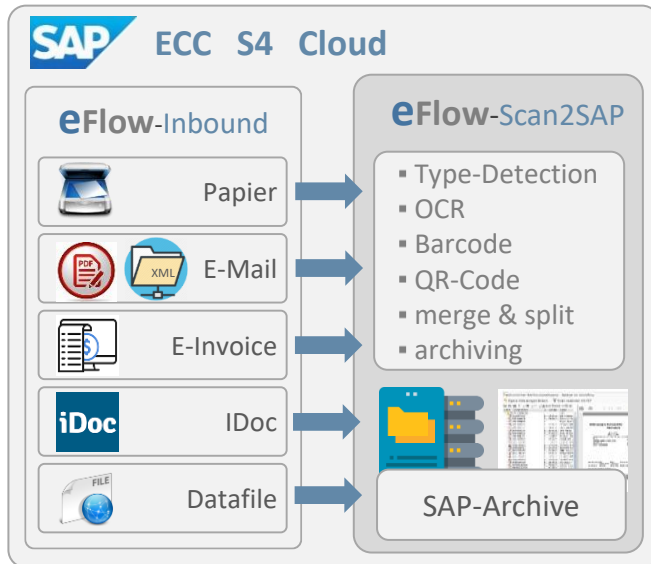
- Expenses
- Detailed Items for Vendor Invoices

3. eFlow-Scan2SAP

eFlow-Scan2SAP:

- is the **central document capture** for all incoming electronic documents from all connected sources.
- stores the documents in an audit-proof archive.
- processes the different formats from the **eFlow inbound** and makes all relevant data uniformly available for the subsequent **eFlow processing**.

3.A Big-Picture



The files generated by **eFlow-Scan2SAP** (Scan2PDF" and PDF Extract) are:

- Readable PDF's
- Barcode information per page (XML)
- Text information per page (XML)

The outputs of **eFlow-Scan2SAP** are:

- All documents requiring retention and/or process-relevant documents in the archive system
- the business transaction with all its relevant metadata in **the eFlow cockpit**

The processing is carried out:

- Automated via SAP job processing
- adhoc in **eFlow inbound**

Capturing Features:

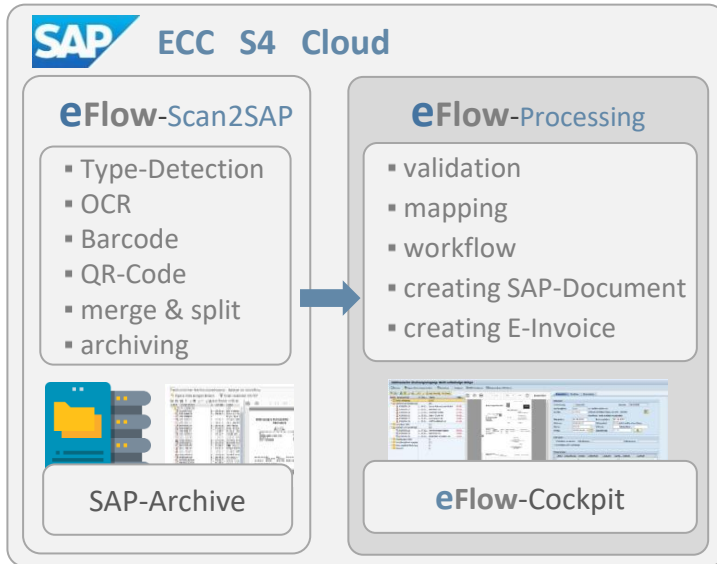
- Use of artificial intelligence to permanently improve detection
- Type-Detection (what type of document is involved)
- Barcode and QR code recognition
- Organizational assignment (e.g. which company code?)
- Automatic page separation and text recognition
- double-sided pages are detected, blank pages can be ignored, and landscape formats are rotated automatically

4. eFlow Processing

eFlow-Processing:

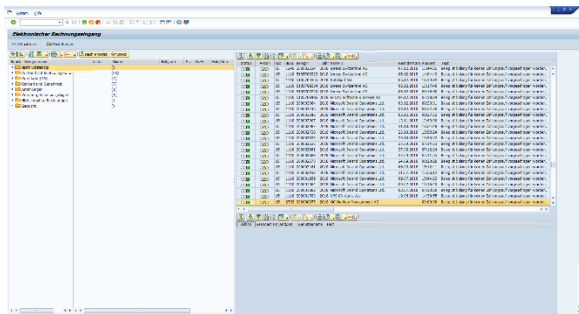
- is the **central cockpit** for all incoming electronic documents from all connected sources.
- ensures the validation and mapping of the different document types.
- creates the desired workflows for the business transactions.
- Generates the relevant SAP documents (e.g. vendor invoice, e-invoice, ...)

4.A Big-Picture



4.B eFlow Cockpit

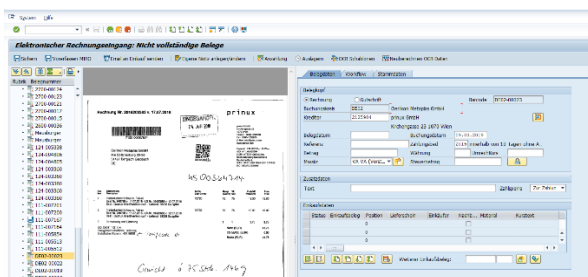
The various business transactions are managed in categories and categories.



4.C eFlow Validation & Mapping

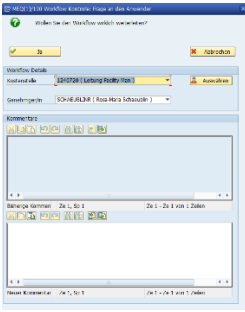
In many cases, validation of the metadata detected by capturing is necessary or even required.

eFlow-Cockpit offers a convenient user interface for this purpose.



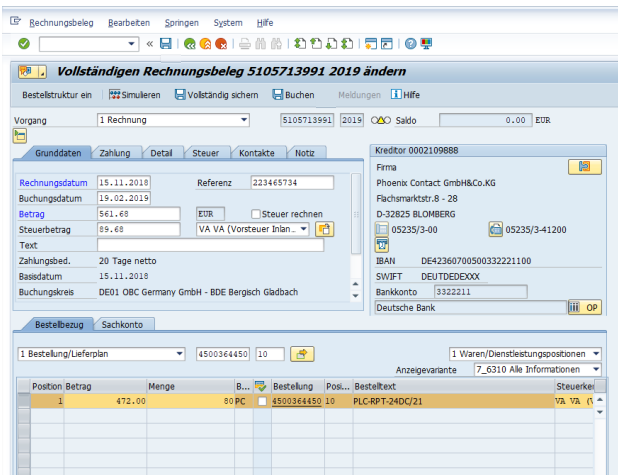
4.D eFlow Workflow

The workflows can be flexibly configured and assigned to the different document types depending on the context.



4.E eFlow-creating SAP-Document

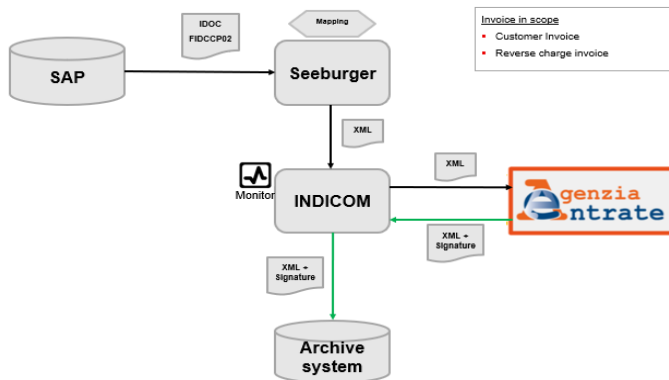
The SAP document is created from the metadata determined by document capturing. (e.g. via MIRO)



4.F eFlow-creating E-Invoice

For outgoing customer invoices, eFlow-Processing can create e-invoices and forward them to the recipient.

Example Italy:





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