



eFlow

Booklet

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1. eFlow:

1.A Mainfunctions

eFlow:

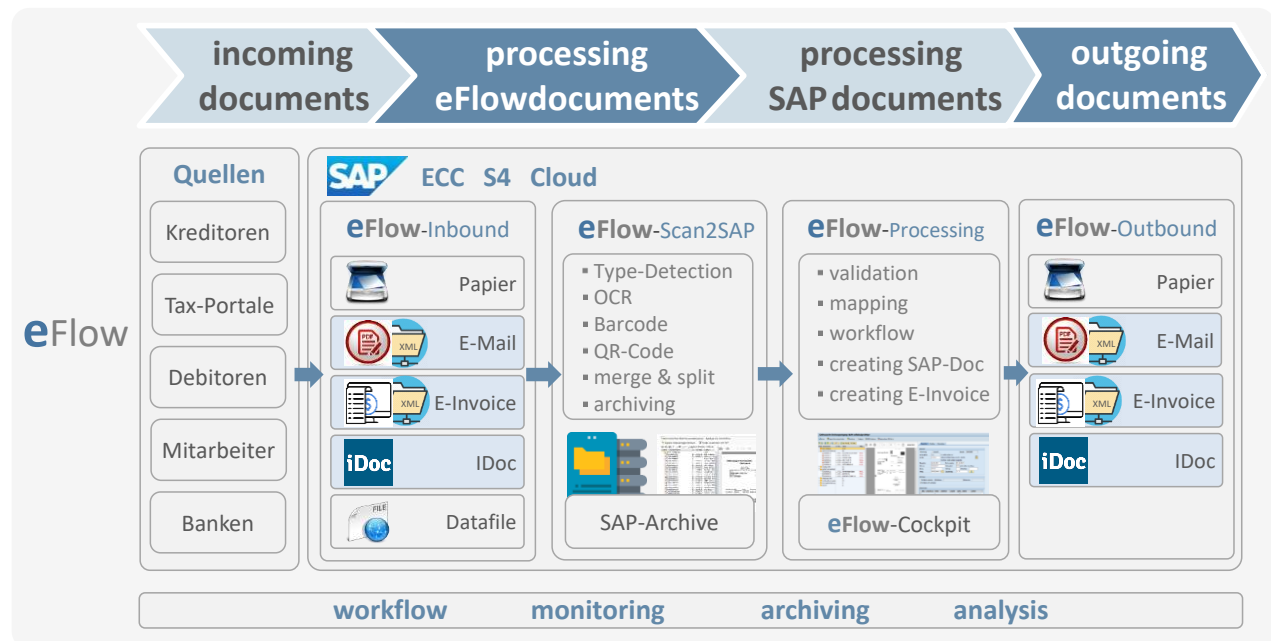
- Serves to automate and optimize **business documents** and **business processes** (accounts payable, expenses, debtors, barcode documents, ...)
- includes all the necessary functions for **inbound, scanning, archiving, workflow, processing and outbound**.

1.B Unique selling points

eFlow:

- is a highly integrated **"all-in-one"** product for all **business documents** and **business processes**.
- supports both inbound (accounts payable) and outbound (debtors) e-invoices.
- supports the **scanning** functions through the use **of artificial intelligence** and can thus achieve surprisingly good results in the recognition and also in the automatic generation of the resulting SAP documents.
- is an SAP add-on **developed in ABAP** and therefore does not require **any additional hardware investments**.
- enables an **unrivalled cost-<->benefit ratio**.
- is amazingly **flexible** and **adaptable to customer needs** due to its **elegant framework**.

1.C Big-Picture



eFlow Inbound	■ is the central hub for incoming documents from all connected sources. ■ processes the different formats from all sources and makes all relevant data available uniformly for the subsequent eFlow-Scan2SAP.
eFlow-Scan2SAP	■ is the central document capturing for all incoming electronic documents from all connected sources. ■ processes the different formats from the eFlow inbound and makes all relevant data available uniformly for subsequent 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, ...)
eFlow-Outbound	■ is the central hub for outgoing documents from all connected sources.
Workflow	■ Rule-based and context-dependent determination of workflow steps and responsibilities ■ E-mail as trigger and workflow receipt for approve/reject by the responsible persons
monitoring	■ Request Monitor as workflow inbox and monitoring
analysis	■ In-place analyses (ALV grid) for all relevant data ■ InfoCockpit (MS-Excel) for various periodic and adhoc analyses

1.D eFlow Components / Business Transactions

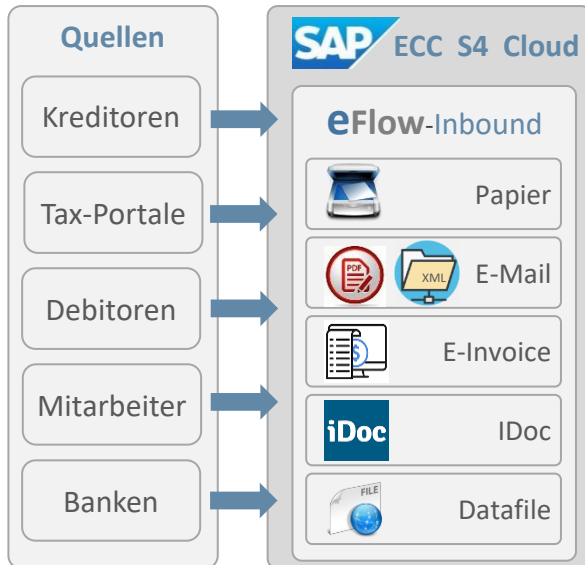
eFlow-Components	Quelle		eFlow-Inbound					eFlow-Scan2SAP					eFlow-Processing										
	intern	extern	Papier	IDoc / XML	E-Mail / PDF	E-Mail / PDF-XML	E-Invoice / UBL	Type-Detection	OCR	Bar- / QR-Code	merge & split	Visual-Copy	cockpit	validation	mapping	workflow	creating SAP	archiving	Papier	IDoc / XML	E-Mail / PDF	E-Mail / PDF-XML	E-Invoice / UBL
creditor documents																							
purchase requisition	x		x		x			x	x	x	x		x					x					
request for quotation	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	
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		x					
invoice (classic)		x	x	x	x			x	x	x	x		x	x	x	x	x	x					
invoice (Facture-X)		x				x		x	x	x		x	x	x	x	x	x	x					
invoice (PEPPOL)		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					x					
quotation	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			
invoice (classic)	x							x					x	x		x		x	x	x			
invoice (Facture-X)	x							x					x	x		x		x				x	
invoice (PEPPOL)	x							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					

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 available uniformly for the subsequent **eFlow-Scan2SAP**.

2.A Big-Picture



The following serve as entrances:

- 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 account documents
- Barcode Documents
- iDoc's

2.B E-Invoice

E-invoices can be both:

- Be sent as XML via email from the vendor
- via **eFlow interface** from a creditor portal or from a portal of a tax authority

2.C Datafile

Typical uses include:

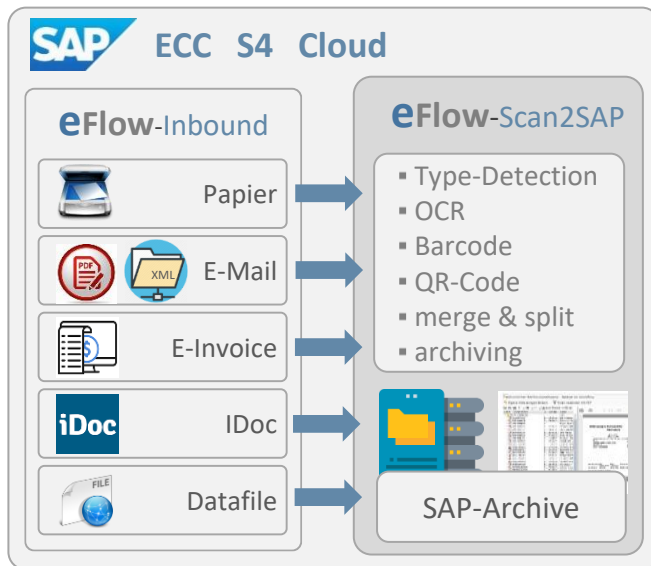
- Expenses
- Detail items for vendor invoices

3. eFlow-Scan2SAP

eFlow-Scan2SAP:

- is the **central document capturing** 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 available uniformly for 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 that are subject to 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:

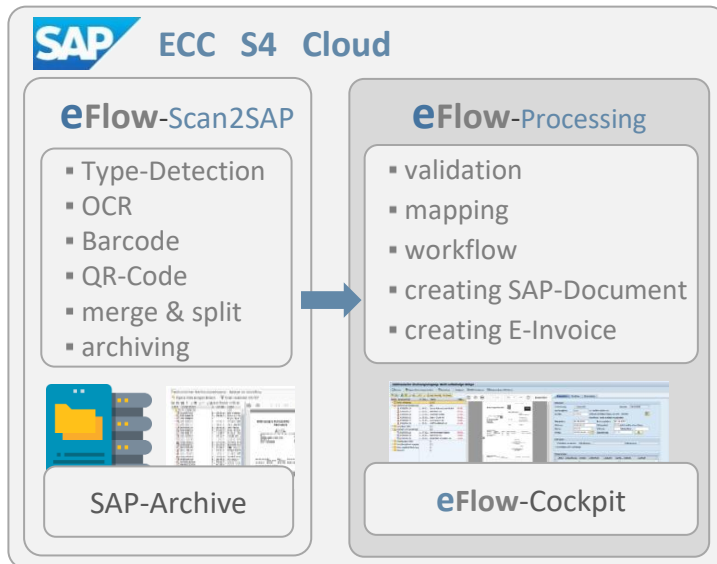
- Use of artificial intelligence for permanent improvement of recognition
- Type detection (which document type is it)
- Barcode and QR code recognition
- Organizational assignment (e.g. which company code?)
- Automatic page separation and text recognition
- double-sided pages are detected, blank pages can be ignored, and landscape orientations are automatically rotated

4. eFlow-Processing

eFlow-Processing:

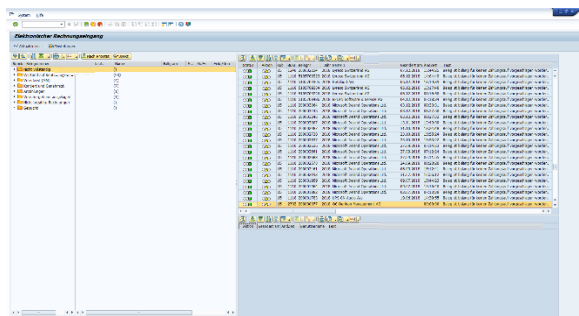
- is the **central cockpit** for all incoming electronic documents from all connected sources.
- ensures the validation and mapping of the different document types.
- creates the desired workflows for the business transactions.
- Generates the relevant SAP documents (e.g. vendor invoice, e-invoice, ...)

4.A Big-Picture



4.B eFlow Cockpit

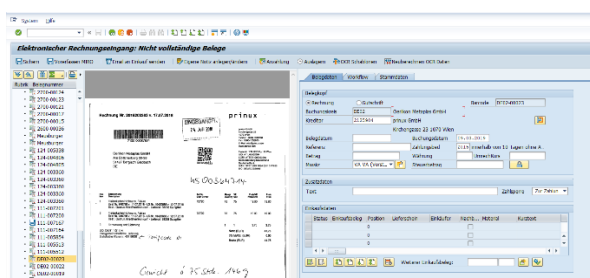
The various business transactions are managed in categories and categories.



4.C eFlow Validation & Mapping

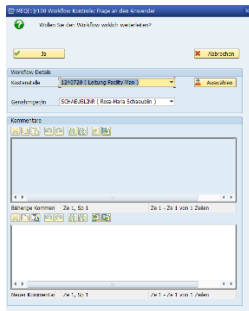
In many cases, validation of the metadata recognized by capturing is necessary or even required.

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



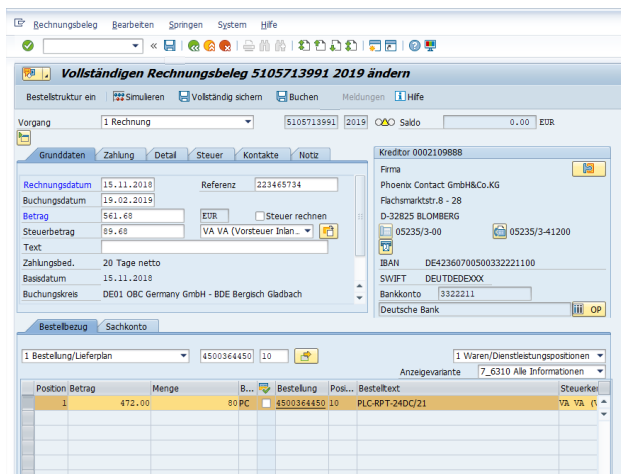
4.D eFlow Workflow

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



4.E eFlow-creating SAP-Document

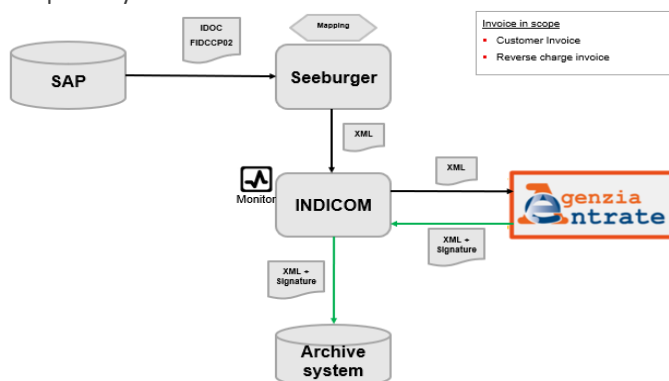
The SAP document is created from the metadata determined by document capturing. (e.g. via MIRO)



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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