

# eDocument Framework

## Overview

Sesión Grupo de Interés Finanzas – ASUG México – Agosto 29, 2017  
Globalization Services, SAP SE

Public

# Disclaimer

---

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. This presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this document is not a commitment, promise or legal obligation to deliver any material, code or functionality. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This document is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this document, except if such damages were caused by SAP's willful misconduct or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.



# eDocument Compliance

# Customer Needs – Compliance with Electronic Documents

Business **Transactions**

**Local Regulations**

unified user  
experience

**fiscal control**

Invoices & delivery notes & tax certificates &...

**compliance**

cost reduction

**online** reporting

minimize compliance risk

**real-time**  
reporting

reimagine business process

savings in public procurement

**digitalization. tax administration.**

**EU e-invoicing mandate by 2018**

**Integration** with the backend  
(Business Suite or S/4)



# Solution Overview

# eDocument Compliance – Generic Process

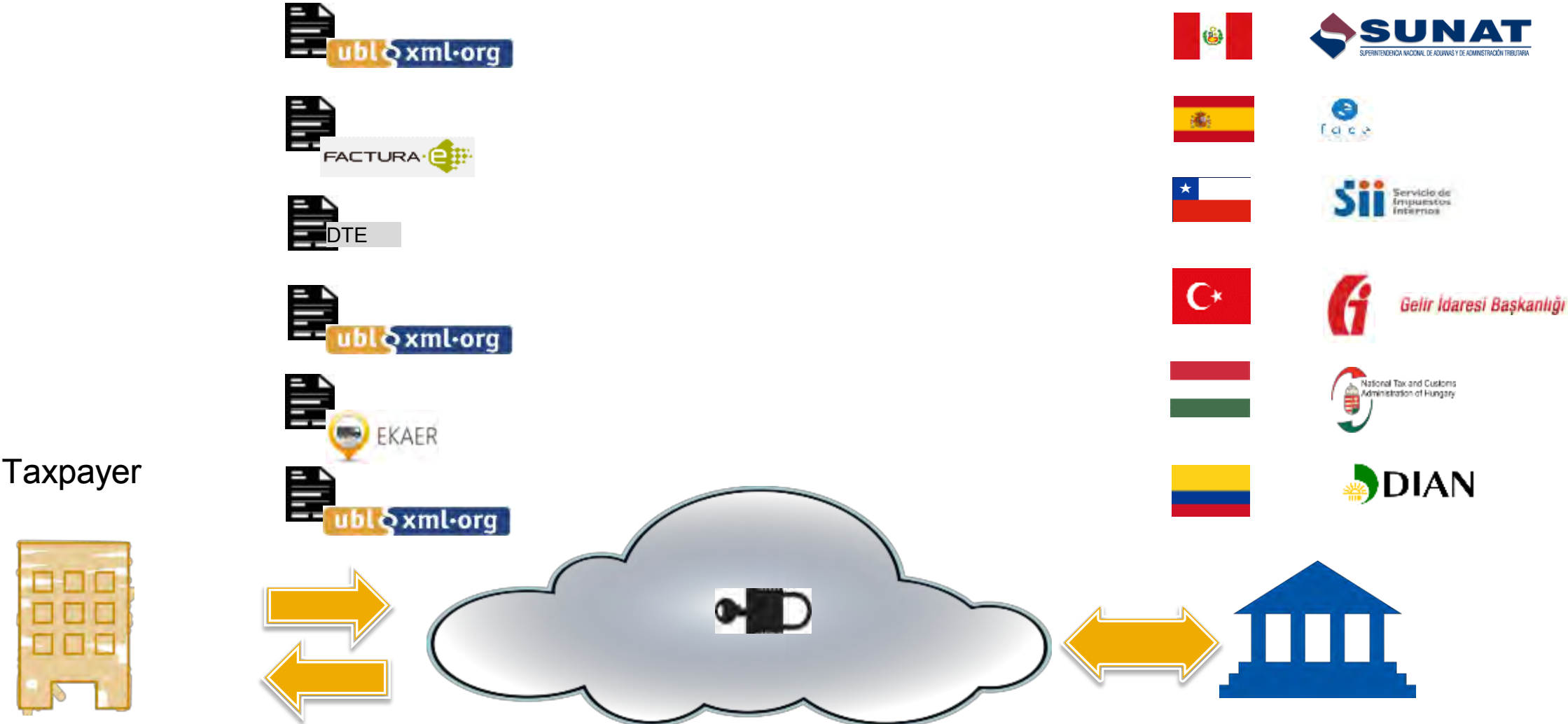
Taxpayer



Public Administration /  
Tax Authorities



# eDocument Compliance – Country Specific Requirements



# SAP eDocument Framework

## eDocument framework has been developed by Globalization Services

- to comply with local regulations mandating the use of electronic documents to be sent to business partners and/or legal authorities

## Facilitates realization of different local requirements

- by leveraging their similarities
- ensuring high standards
- consistent user experience and lower operational cost

Taxpayer



Public Administration /  
Tax Authorities



# Key Pain Points

# Solution

## **Total Cost of Operations**

Multiple solutions to be implemented and supported  
Multiple contract partners

One Solution  
End-to-end approach

## **Usability**

Multiple monitors, configuration and processes

Unified user experience  
Reduced set of tools

## **Data Inconsistency**

Adjustments done on 3<sup>rd</sup> party software not reflected in backend

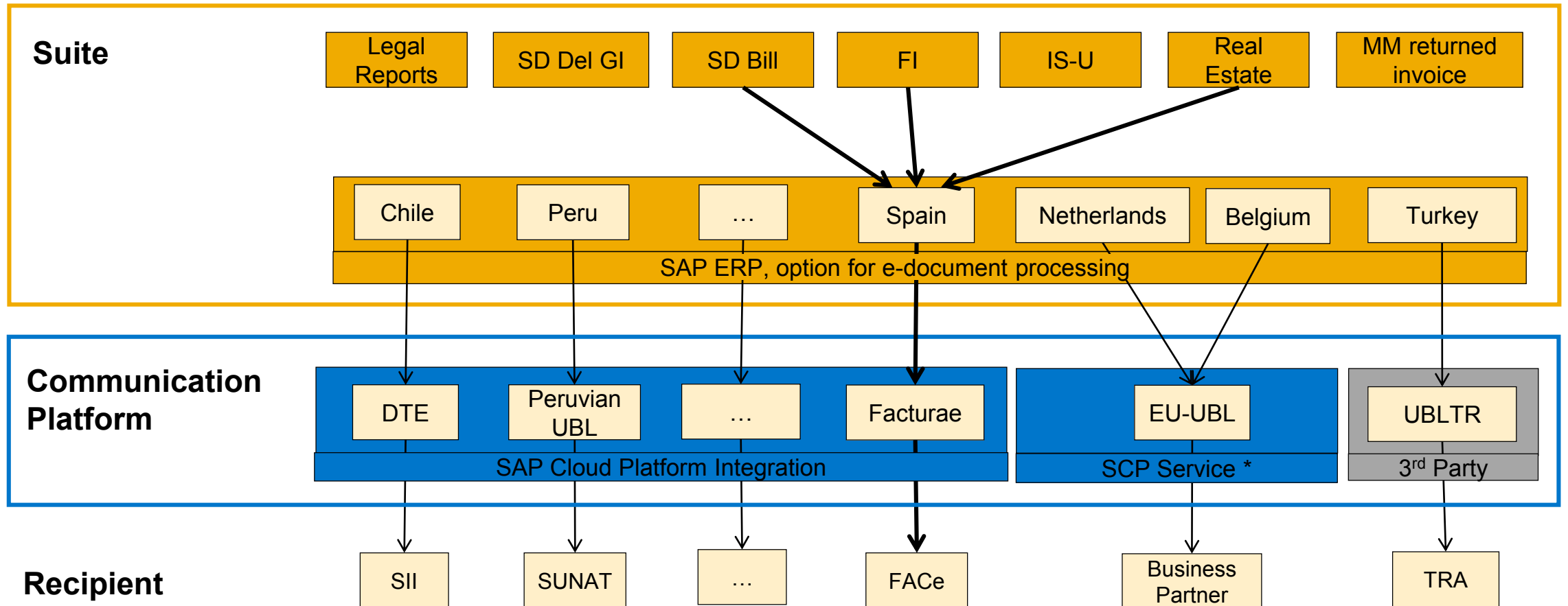
Solution integrated with the backend (ERP)

## **Ineffective Support**

High effort for synchronization of legal changes  
Multiple counterparts  
Lack of process expertise from service provider

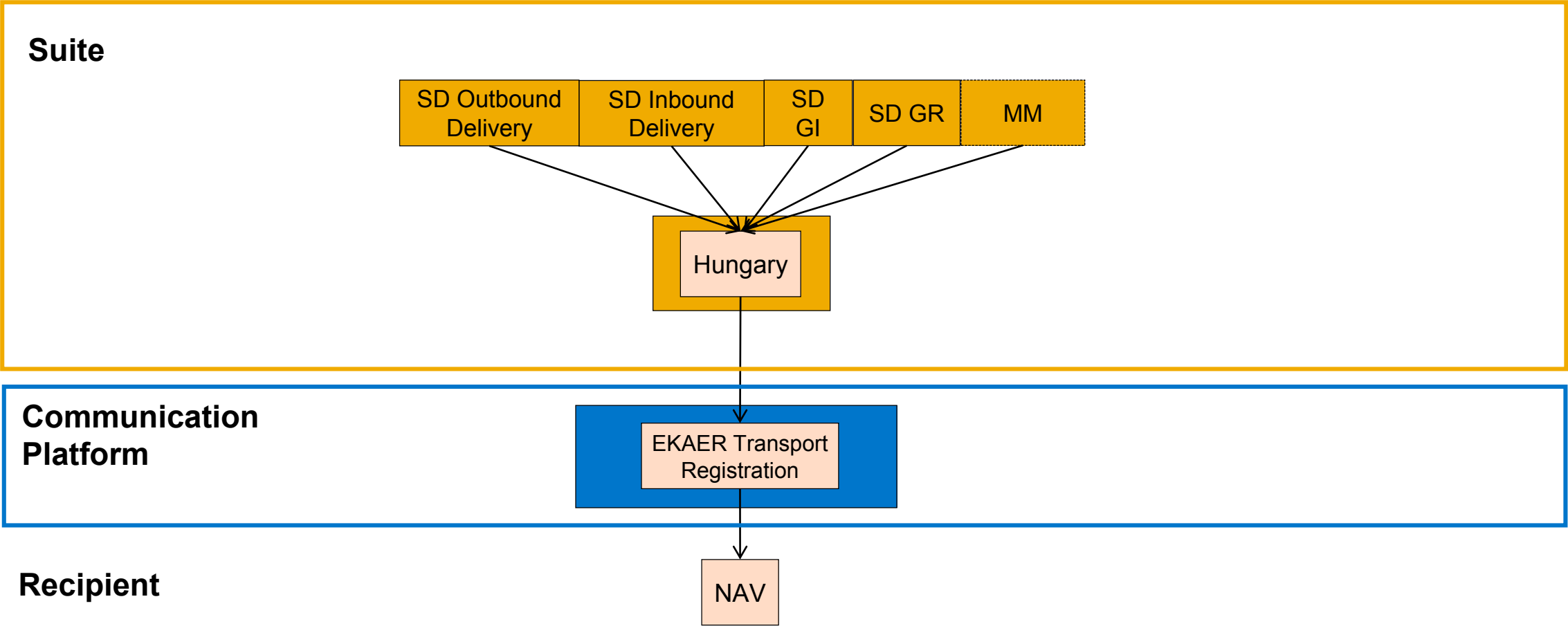
One Globalization Network  
Professional processes and services

# Solution Architecture

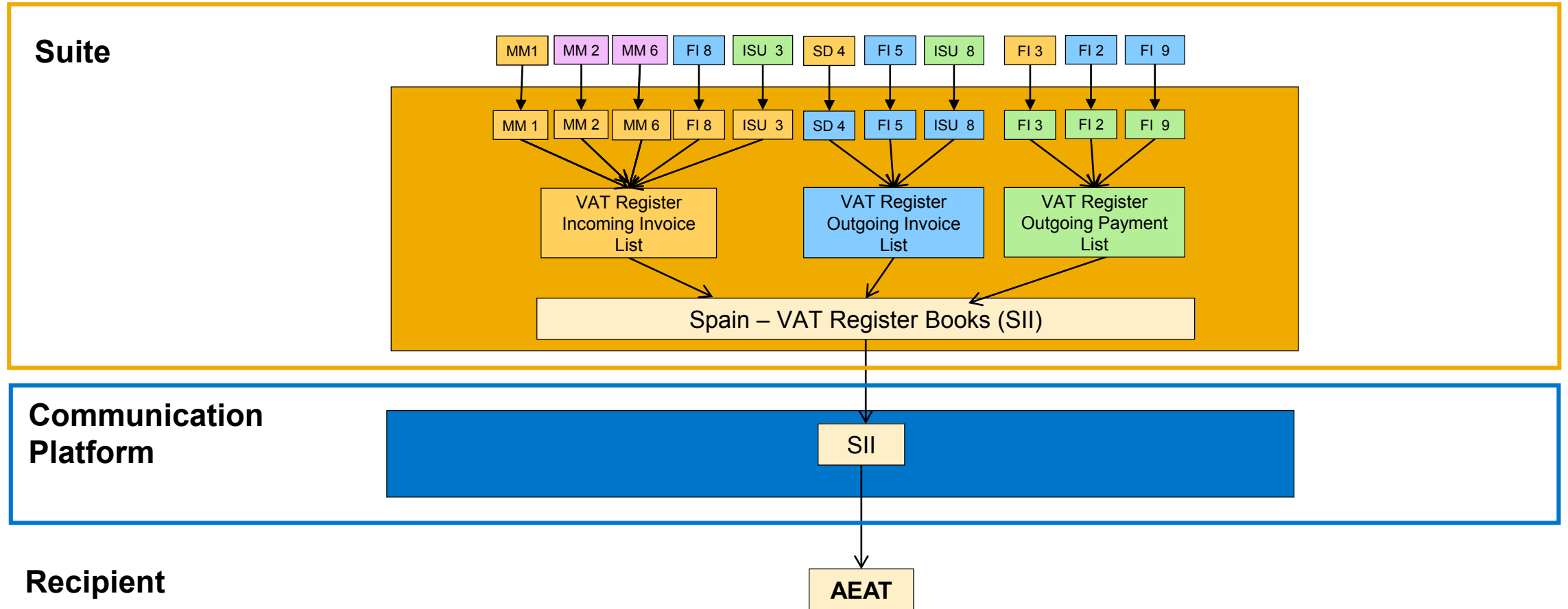


\* Provider (SAP) managed

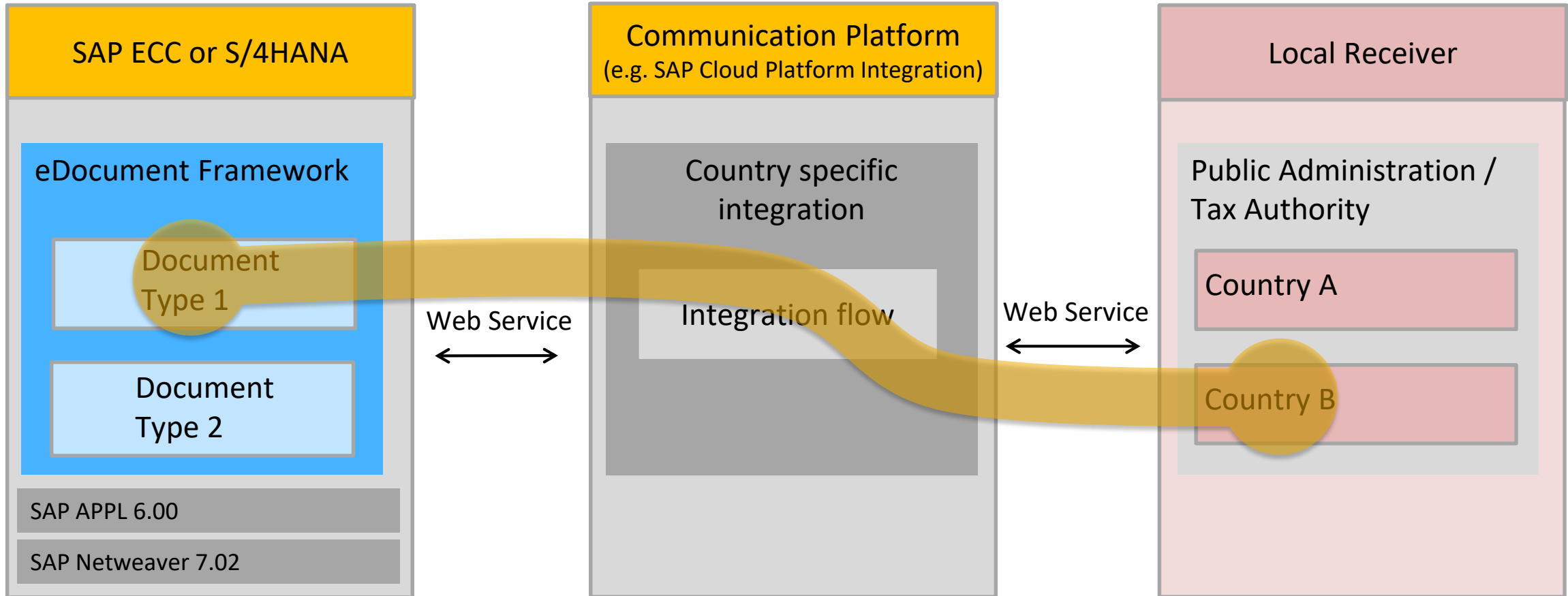
# Solution Architecture – Transport registration for Hungary



# Solution Architecture – VAT Register Books with SII



# Solution Landscape – eDocument Scenarios

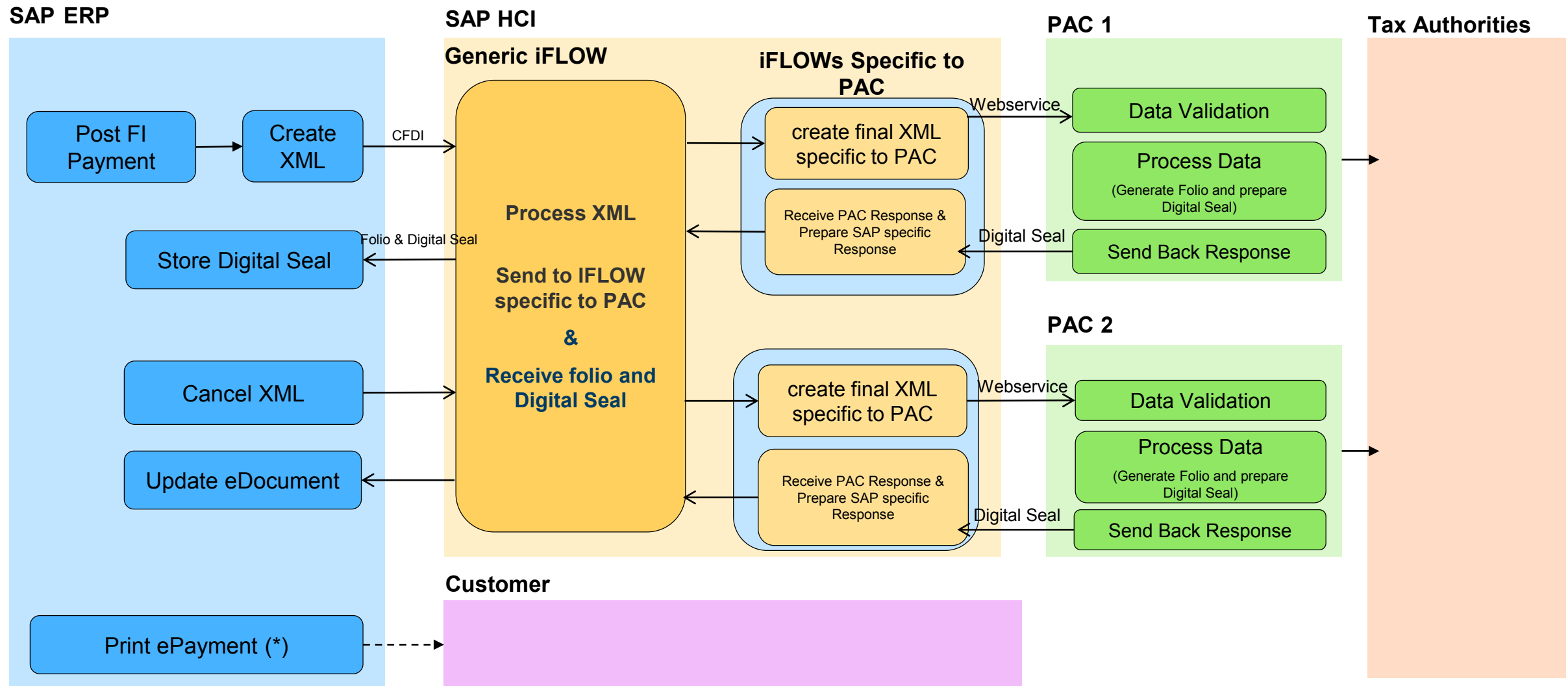


- Country Format Mapping
- Business Monitoring

- Communication
- Authentication / Digital Signature

- Validation
- Approval / Registration

# CFDI Payment Complement (FI)



(\*) The adaptation of the printout is not in the scope of the solution

### EDocument Cockpit



Source Document

Submit | Export File | Display | Customer... | Goto... | More... | Info

Variant



eDocuments of the Last Days

### Colombia eInvoice

Result Overview	No.
Chile	48
• Chile Daily Summary Boleta	4
• Chile Delivery Note	7
• Chile DTE	27
• Chile eBoleta	5
• Chile Goods Receipt DTE	1
• Chile Incoming DTE Envelope	1
• Chile Summary DTE	3
Colombia	33
• <b>Colombia eInvoice</b>	<b>31</b>
• Colombia eInvoice Incoming	2
Czech Republic	21
• Czech Republic Cash Invoice	21
Hungary	73
• Hungary Transport Registration	73
Italy	7
• Italy Fattura XML	7
Peru	35
• Peru Boleta	2
• Peru Daily Summary Boleta	1
• Peru eInvoice	30
• Peru Void Document	2
Spain	18
• Spain eInvoice (Download)	6
• Spain eInvoice (Webservice)	12

Status	Proc. Status	Descr.	eDocument Source Key	Source Type	Src. Canc.	CoCode	eDoc Type	Creation Date	Created on	Created By	Posting Date	Intf.	File
▲		Document Created	0090042823	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	27.09.2016	01:31:08	BENITEZ	26.09.2016		
▲		Document Created	0090042824	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	27.09.2016	01:50:30	BENITEZ	26.09.2016		
▲		Document Created	0090042825	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	27.09.2016	01:51:52	BENITEZ	26.09.2016		
▲		Document Created	0090042826	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	27.09.2016	01:52:51	BENITEZ	26.09.2016		
▲		Approved by Tax Authority	CO2412000000262016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_INV	15.09.2016	18:15:33	BENITEZ	01.06.2016		
■		eDocument Cancelled	CO2412000000272016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_INV	15.09.2016	21:04:23	BENITEZ	01.06.2016		
▲		Document Created	CO2412000000282016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_INV	15.09.2016	21:25:57	BENITEZ	01.06.2016		
▲		Document Created	CO2412000000292016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_INV	15.09.2016	21:29:46	BENITEZ	01.06.2016		
▲		Approved by Tax Authority	CO2416000000082016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_CRE	15.09.2016	21:38:02	BENITEZ	01.06.2016		
■		eDocument Cancelled	CO2416000000092016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_CRE	15.09.2016	21:43:22	BENITEZ	01.06.2016		
▲		Document Created	CO2412000000302016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_INV	15.09.2016	21:47:11	BENITEZ	01.06.2016		
▲		Approved by Tax Authority	CO2407000000052016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_DEB	15.09.2016	21:48:18	BENITEZ	01.06.2016		
■		eDocument Cancelled	CO2407000000062016	FI_INVOICE	<input type="checkbox"/>	CO24	CO_DEB	15.09.2016	21:51:41	BENITEZ	01.06.2016		
▲		Document Created	0090042786	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	11:30:13	LACKA	16.09.2016		
▲		Document Created	0090042787	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	11:33:09	LACKA	16.09.2016		
▲		Document Created	0090042788	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	11:34:52	LACKA	16.09.2016		
▲		Document Created	0090042789	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	11:36:41	LACKA	16.09.2016		
▲		Document Created	0090042790	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	12:29:40	LACKA	16.09.2016		
▲		Document Created	0090042791	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	12:31:20	LACKA	16.09.2016		
▲		Approved by Tax Authority	0090042792	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	12:45:36	LACKA	16.09.2016		
▲		Document Created	0090042797	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	16.09.2016	15:20:55	LACKA	16.09.2016		
▲		Approved by Tax Authority	0090042812	SD_INVOICE	<input type="checkbox"/>	CO24	CO_INV	23.09.2016	01:16:43	BENITEZ	22.09.2016		

Discover /



## Discover

HIGHLIGHTS (10)

ALL (82)**eDocument: Electronic Invoicing for Spain**

The eDocument Framework provides a generic approach to create, process and manage electronic documents. The framework supports handling country-specific requirements for electronic documents with regards to the format of messages and processing...

Published: 3 months ago

Version: 1.1.0

Vendor: SAP

**SAP SuccessFactors Employee Central Integration with SAP S/4HANA Cloud - Employee availability data replication**

SAP S/4HANA is a solution built on the SAP HANA platform, fully designed with the SAP Fiori user experience and bringing the simplicity of SAP's global cloud. SAP S/4HANA also includes our existing cloud solutions for lines of business, such as...

Published: 3 months ago

Version: 1.1.3

Vendor: SAP

**SAP Health Engagement - Integration with Validic**

This integration package enables you to easily configure data transfer from multiple wearable devices to the SAP Health Engagement system using the cloud Digital Health Platform Validic(www.validic.com). Using this package, you can retrieve data...

Published: 3 months ago

Version: 1701

Vendor: SAP

**SuccessFactors Employee Central Integration with SAP S/4HANA, cloud edition**

SAP S/4HANA is a solutions built on the SAP HANA platform, fully designed with the SAP Fiori user experience and bringing the simplicity

Published: 3 months ago

Version: 2.1.1

Vendor: SAP



Monitor Message Processing

Time:

Past Week

Status:

Completed

Artifact:

All Integration Flows

ID:

Message or Application ID

May 03, 2017, 11:15:24 - May 10, 2017, 11:15:24

Messages (139993)

Navigation controls: back, forward, refresh, page 1 of 2...

May 10, 2017, 09:02:29

com.sap.slh.dcs.gsp.vayana

Completed

May 10, 2017, 09:01:52

com.sap.slh.dcs.gsp.vayana

Completed

May 10, 2017, 09:01:38

com.sap.slh.dcs.gsp.vayana

Completed

May 10, 2017, 08:59:01

Communicate to SII

Completed

May 10, 2017, 08:58:15

Communicate to SII

Completed

May 10, 2017, 08:55:28

Communicate to SII

Completed

May 10, 2017, 08:54:28

### Communicate to SII

[View Integration Flow](#)

Last Updated at: May 10, 2017, 08:58:15

Processing Time: 773 ms

Receiver: OutgoingInvoices-Test\_OutgoingInvoice...

STATUS DETAILS LOGS

Message processing completed successfully.

#### LOGS

##### Message Processing Log

MPL Attachment	Type	Modified
REQ_headers_props	text/plain	May 10, 2017, 08:...



/ Monitor Message Processing / Message Processing Details

[Download](#)

Last Updated at: May 10, 2017, 08:58:15

Artifact Name: Communicate to SII

Artifact Version: 1.0.0

Processing Time: 773 ms

Status: **Completed**

Artifact ID: com.sap.GS.Spain.SII.Communicate

Receiver: OutgoingInvoices-Test\_OutgoingInvoice...

Attachments: 4

[Log](#)[REQ\\_headers\\_props](#)[REQ\\_payload](#)[RSP\\_headers\\_props](#)[RSP\\_payload](#)

## Message Processing Log:

```

StartTime      = Wed May 10 06:58:14.523 UTC 2017
StopTime       = Wed May 10 06:58:15.295 UTC 2017
OverallStatus  = COMPLETED
ContextName    = com.sap.GS.Spain.SII.Communicate
CorrelationId  = AFkSugZdmai6RWg_a011Ty231d9v
IntermediateError = false
MessageGuid    = AFkSugZPrp6ekSI_vkbz1k8vKYPd
Node           = vsa2342091.od.sap.biz
ReceiverId     = OutgoingInvoices-Test_OutgoingInvoicesService
SenderId       = ERP_HCICallFromERP

```

## Invoked endpoint:

```

StartTime      = Wed May 10 06:58:14.523 UTC 2017
Status         = COMPLETED
ContextName    = com.sap.GS.Spain.SII.Communicate
Cxf.EndpointAddress = /SpainSIICommunicate
ModelStepId    = MessageFlow_1

```

## Entering Camel route Process\_1:

```

StartTime      = Wed May 10 06:58:14.524 UTC 2017
ModelStepId    = MessageFlow_1

```

Exchange ID-vsa2342091-od-sap-biz-58286-1493370934064-679-367 created in Endpoint[[cxf://bean:ERP\\_HCICallFromERP](#)]:

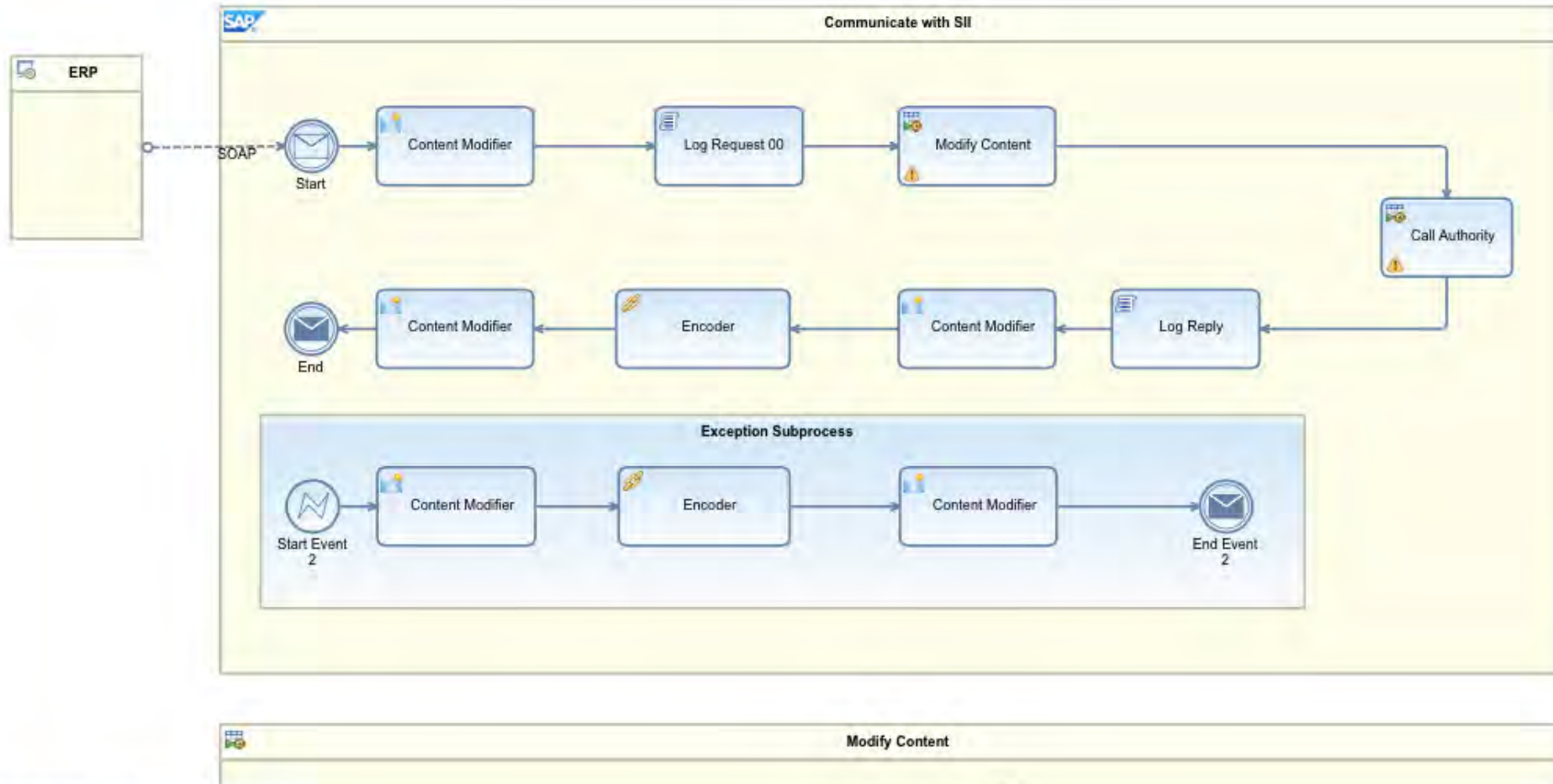
```

StartTime      = Wed May 10 06:58:14.524 UTC 2017
Status         = PROCESSING
ModelStepId    = MessageFlow_1

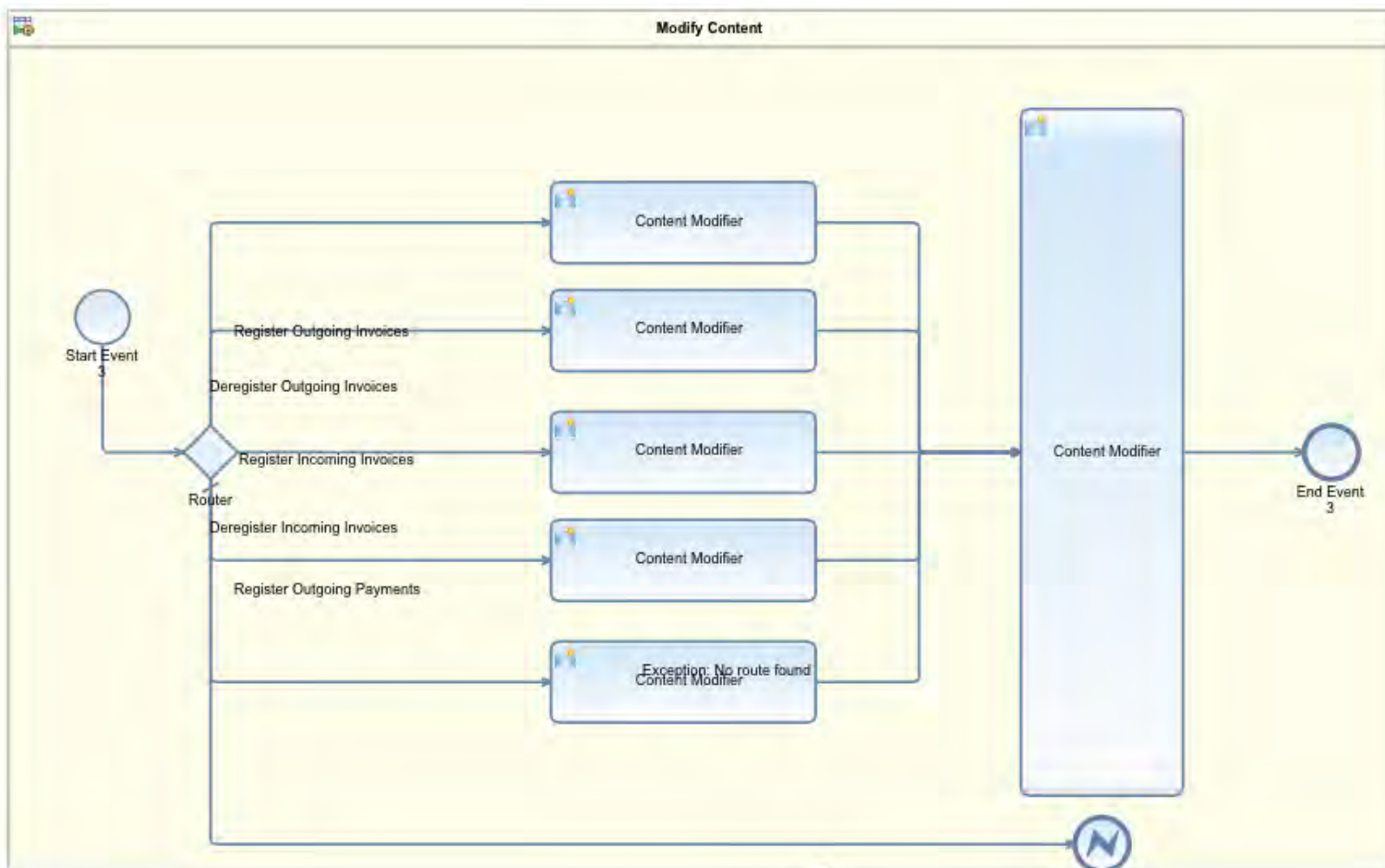
```

Processing exchange ID-vsa2342091-od-sap-biz-58286-1493370934064-679-367 in [sap-pp-util://sender:](#)

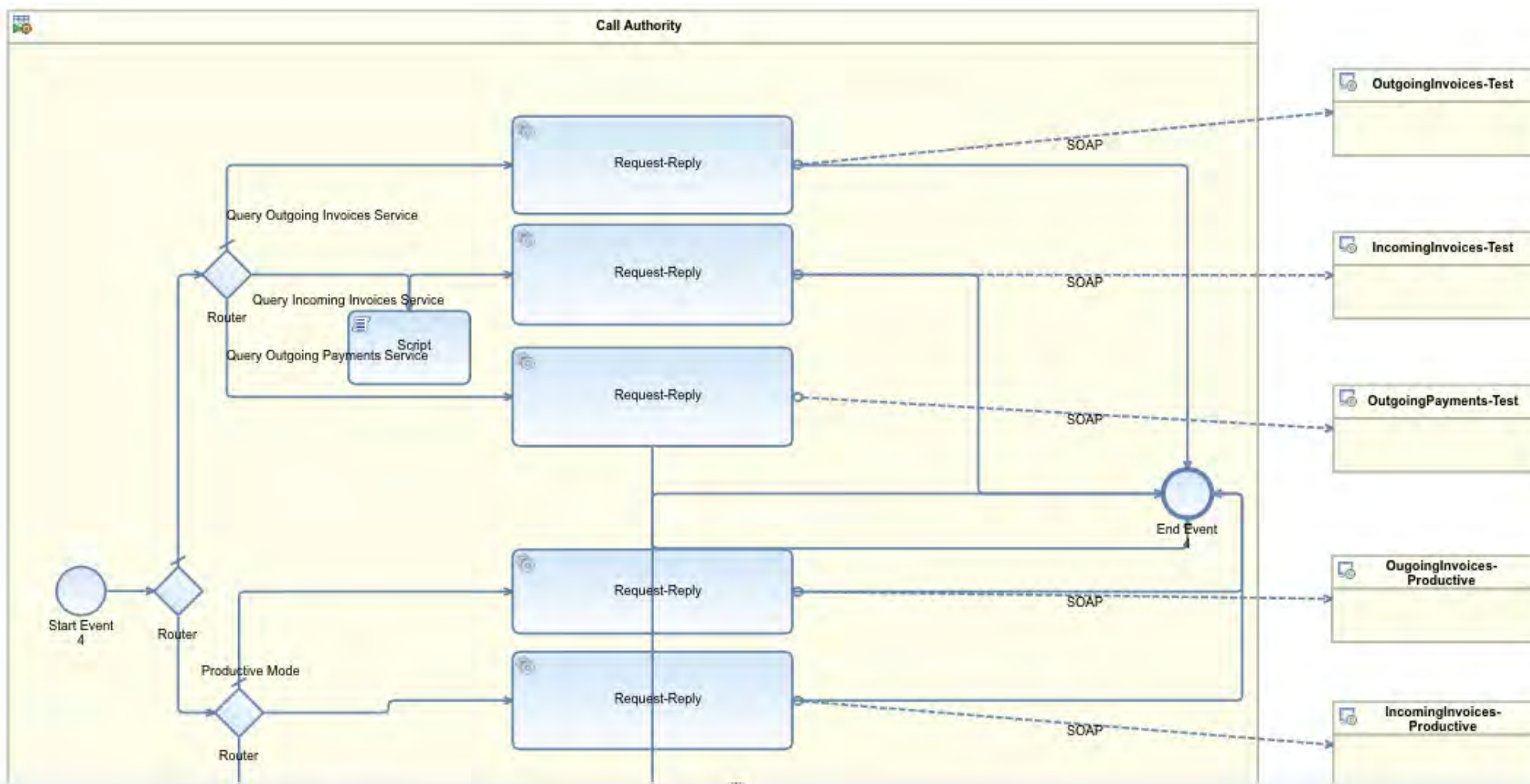
## Communicate to SII



## Communicate to SII



### Communicate to SII



# Available Scenarios

---

Peru – Customer Invoice (Peruvian e-Invoice)  
Peru – Summary of Consumer invoice (Boleta)  
Peru – Withholding Tax Certificate  
Peru – Tax Collection Certificate

Chile – Customer Invoice (DTE e-Invoice)  
Chile – Vendor Invoice (DTE e-Invoice)  
Chile – Delivery Note  
Chile – Consumer Invoice (Boleta)  
Chile – Ledgers

Italy – Customer Invoice (Fattura PA) <sup>1</sup>

Turkey – Customer Invoice <sup>1</sup>

Spain – Customer Invoice (FACTURAE)

Spain – SII Reporting

Hungary – Transportation Registration(EKAER)

<sup>1</sup> with 3<sup>rd</sup> Party

# New Scenarios Planned for 2017 / 2018

---

Colombia – Customer Invoice

Colombia – Vendor Invoice

Turkey – Consumer Invoice (e-Archive) <sup>1</sup>

Turkey – Vendor Invoice <sup>1</sup>

Turkey – Export Invoice <sup>1</sup>

Netherlands – Customer Invoice <sup>2</sup>

Netherlands – Vendor Invoice <sup>2</sup>

Belgium – Customer Invoice <sup>2</sup>

Belgium – Vendor Invoice <sup>2</sup>

Mexico – Payment Receipt

Taiwan – Customer Invoice <sup>1</sup>

Taiwan – Consumer Invoice <sup>1</sup>

Taiwan – Vendor Invoice <sup>1</sup>

Thailand – Customer Invoice

<sup>1</sup> with 3<sup>rd</sup> Party / non-SCP; <sup>2</sup> Managed service

# Further Scenarios under Evaluation

---

Hungary – Customer Invoice

Mexico – Customer Invoice

Argentina – Customer Invoice

<sup>1</sup> with 3<sup>rd</sup> Party

# Value Proposition

## End to end solution

Maintenance of legal changes across all components in one hand

Full integration with ERP



## Simplified implementation

Pre-packaged content and integration flows



## Simplified operations

One user interface  
One platform  
One provider





# Thank You

# © 2017 SAP SE or an SAP affiliate company. All rights reserved.

---

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://global12.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

# © 2017 SAP SE oder ein SAP-Konzernunternehmen. Alle Rechte vorbehalten.

---

Weitergabe und Vervielfältigung dieser Publikation oder von Teilen daraus sind, zu welchem Zweck und in welcher Form auch immer, ohne die ausdrückliche schriftliche Genehmigung durch SAP SE oder ein SAP-Konzernunternehmen nicht gestattet.

SAP und andere in diesem Dokument erwähnte Produkte und Dienstleistungen von SAP sowie die dazugehörigen Logos sind Marken oder eingetragene Marken der SAP SE (oder von einem SAP-Konzernunternehmen) in Deutschland und verschiedenen anderen Ländern weltweit.

Weitere Hinweise und Informationen zum Markenrecht finden Sie unter <http://global.sap.com/corporate-de/legal/copyright/index.epx>.

Die von SAP SE oder deren Vertriebsfirmen angebotenen Softwareprodukte können Softwarekomponenten auch anderer Softwarehersteller enthalten.

Produkte können länderspezifische Unterschiede aufweisen.

Die vorliegenden Unterlagen werden von der SAP SE oder einem SAP-Konzernunternehmen bereitgestellt und dienen ausschließlich zu Informationszwecken.

Die SAP SE oder ihre Konzernunternehmen übernehmen keinerlei Haftung oder Gewährleistung für Fehler oder Unvollständigkeiten in dieser Publikation.

Die SAP SE oder ein SAP-Konzernunternehmen steht lediglich für Produkte und Dienstleistungen nach der Maßgabe ein, die in der Vereinbarung über die jeweiligen Produkte und Dienstleistungen ausdrücklich geregelt ist. Keine der hierin enthaltenen Informationen ist als zusätzliche Garantie zu interpretieren.

Insbesondere sind die SAP SE oder ihre Konzernunternehmen in keiner Weise verpflichtet, in dieser Publikation oder einer zugehörigen Präsentation dargestellte Geschäftsabläufe zu verfolgen oder hierin wiedergegebene Funktionen zu entwickeln oder zu veröffentlichen. Diese Publikation oder eine zugehörige Präsentation, die Strategie und etwaige künftige Entwicklungen, Produkte und/oder Plattformen der SAP SE oder ihrer Konzernunternehmen können von der SAP SE oder ihren Konzernunternehmen jederzeit und ohne Angabe von Gründen unangekündigt geändert werden.

Die in dieser Publikation enthaltenen Informationen stellen keine Zusage, kein Versprechen und keine rechtliche Verpflichtung zur Lieferung von Material, Code oder Funktionen dar. Sämtliche vorausschauenden Aussagen unterliegen unterschiedlichen Risiken und Unsicherheiten, durch die die tatsächlichen Ergebnisse von den Erwartungen abweichen können. Die vorausschauenden Aussagen geben die Sicht zu dem Zeitpunkt wieder, zu dem sie getätigt wurden. Dem Leser wird empfohlen, diesen Aussagen kein übertriebenes Vertrauen zu schenken und sich bei Kaufentscheidungen nicht auf sie zu stützen.