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Installation Guide for eDocuments

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1 Installation Guide for eDocument

The eDocument Full solution requires the installation and integration of the following applications:

- eDocument Framework in SAP ERP or in SAP S/4HANA
- SAP ERP, option for e-document processing
- SAP Cloud Platform Integration

This document guides you through the necessary steps to install and integrate the above mentioned applications. Besides that, you will be guided through the list of enhancements and corrections that need to be installed in your system. Finally, the last section tells what is necessary to know to install the country-specific scenarios.

1.1 Installation of eDocument Framework

SAP Basis Releases Required for eDocument Framework

The eDocument Framework uses proxies which require the following minimum SAP BASIS release and support packages:

Table 1: SAP BASIS release and support packages

SAP BASIS Release	Support Package
700	22
701	07
702	03
710	10
711	10
720	03
Releases above 720	Available for all SPs

For more information, see SAP Note 1397878/

eDocument Framework Availability and Installation

The eDocument Framework is automatically available in your system if you install the Support Package (SP) for your release. SAP recommends you to install the lastest SP version available to get the latest updates and corrections, as well as translations.

If you haven't installed the SP, you have the following options:

• Install the SAP Note transport-based correction instructions (TCI) that only contains correction requests related to the eDocument Framework.

i Note

Available as of Enhancement Package 5 for SAP ERP 6.0 (6.05) or higher releases.

The TCl is a new way to deliver ABAP correction instructions to customers in a flexible manner. A TCl bundles a stack of correction instructions in one transport request that can be installed using the SNOTE transaction. The TCl reduces the installation time because it requires no pre or post installation steps.

i Note

For information on the implications of installing the TCI, we recommend that prior to installing it, you read carefully the PDF TCI_for_Customer.pdf in the attachment of SAP Note 2187425.

Manually install eDocument Framework SAP Notes

Related Information

Installation of TCI for eDocument Framework [page 4] Manual Installation of SAP Notes for eDocument Framework [page 6]

1.1.1 Installation of TCI for eDocument Framework

As of release Enhancement Package 5 for SAP ERP 6.0 (6.05), you can install an SAP Note Transport-Based Correction Instructions (TCI) for the eDocument Framework. For lower releases, manually install the eDocument Framework SAP notes . See Manual Installation of SAP Notes for eDocument Framework [page 6]

i Note

: Refer to the SAP Note 2408383 for more information how to roll back the installation of an TCI. .

Installation Steps

Table 2: Installation	Steps for	TCI eDocument Framework

Step	Substep	Action
1. Check the prerequisites for preparing your system to install the TCI. For more information, see SAP Note 2187425	1.1. Ensure that the following SAP BASIS Notes are installed in your system:	 Check if following notes are installed: 969846 NoteAss: Unable to change the inheritance hierarchy 1484031 Additions to Note 969846 1738132 Change to inheritance results in deletion of method implementation 2045843 Redefinitions of interface methods are not saved in DB table SEOREDEF
	1. 2. If required by your system, update the SPAM tool version (at least 61 or higher)	Use the SPAM transaction.
	1.3. If required by your system, install the Note Assistant Bootstrapping.	Install SAP note 1995550 according to the description in the section 1.2 Ena- bling Note Assistant for SAP Note Transport-Based Correction Instruc- tions in the TCI_for_Customer.pdf at- tached to the of SAP Note 2187425
2. Install the TCI for eDocuments	Install the TCI Note according to the de- scription in the section 1.3 Consumption of SAP Note Transport-Based Correc-	Install the TCI for eDocuments 2460919
	tion Instructions in the TCI_for_Cus- tomer.pdf attached to the of SAP Note 2187425	i Note This is the latest version of the TCI for eDocuments and the only difference to the previous one is that the current contains translations.
3. Check the support package level	Check your Support Package level and apply the notes accordingly.	 Install SAP Note 2446129 If your system is on SAP_APPL 617 Support Package 1 you install SAP Note 1870289

Next Step

There has been enhacements and corrections to the eDocument Framework after the release of the TCI. For a list of notes that have to be manually installed after the TCI, refer to the section Corrections and Enhancements [page 8].

1.1.2 Manual Installation of SAP Notes for eDocument Framework

You install the eDocument Framwork notes manually in the following cases:

- You haven't installed the latest Support Package for your release and therefore you system does not contain the latest updates or correction required by the eDocument framework.
- Your system is in a release lower than Enhancement Package 5 for SAP ERP 6.0 (605) and therefore there is no TCI for eDocument Framework available.

Installation Steps

Table 3: Installation steps for manual installation of notes for eDocument Framework

Step	Action
1. Ensure that the following SAP BASIS Notes are installed in your system:	 Check if the following notes are installed: 969846 NoteAss: Unable to change the inheritance hierarchy 1484031 Additions to Note 969846 1738132 Change to inheritance results in deletion of method implementation 2045843 Redefinitions of interface methods are not saved in DB table SEOREDEF
2. Relevant for S/4HANA Releases only	 Not all SAP Notes listed in the step 3 below may be relevant for your release. Check which notes you need to install from the list below depending on your release: S4CORE 100: Start with SAP Note 2212967 eDocument Reference: Sequence Number. S4CORE 101: Start with SAP Note 2376336 eDocument Framework: Prerequisite Objects for Note 2327646. S4CORE 102 and higher releases: all of the SAP Notes listed in step 3 are already contained in your release.

Step

3. Manually install all eDocument Framework relevant SAP Notes.

i Note

Some of the notes have both pre and post installation steps. Make sure that you refer to the respective PDFs attached to each note and carry out the required steps.

i Note

The list of SAP Notes that follows comprises all necessary notes to complete the installation of the eDocument Framework. It does not contain every and each correction notes that exist for the eDocument Framework. To ensure that your system is in the last stand, we recommend that you periodically check for new correction notes for the eDocument component.

Action

Install the notes using the $\ensuremath{\mathtt{SNOTE}}$ transaction.

- 1. 2001019 reDocument: Enhancement-point in function module RV_INVOICE_DOCUMENT_ADD
- 2005304²/₂ eDocument Framework: Prerequisites for Note 1995867
- 3. 1995867 / eDocument Framework
- 4. 2021860 reDocument Framework (II)
- 2040583^A eDocument Framework: Prerequisites for Note 2040567
- 6. 2040567 / eDocument Framework (III)
- 2072539 Percent Framework: Prerequisites for Note 2061166
- 8. 2061166 / eDocument Framework (IV)
- 2084098⁴/₂ eDocument Framework: Prerequisites for Note 2079957
- 10. 2079957 b eDocument Framework (V)
- 2110692 reduction Prerequisites for Note 2120281
- 12. 2120281 red eDocument Framework (VI)
- 13. 2148206 reduction Prerequisites for Note 2122429
- 14. 2122429 Procument Framework (VII)
- 15. 2170178 Per eDocument: Logical Port dependent on Company Code
- 16. 2212967 / eDocument Reference: Sequence Number
- 17. 2232087 Pocument: Key Fields are not Consecutive in View EDOPROCSTEPVERV
- 2217515 Dependence of the end o
- 19. 2153215 reDocument Framework (8)
- 20. 2227484/ eDocument Framework: Layout selection in transactions EDOC_COCKPIT and EDOC_SUMMARY
- 21. 2230746 / eDocument Prerequisite for Note 2224680
- 22. 2224680 Procument: Source Type "Invoice Verification"
- 23. 2243028 Percent Framework: Prerequisites for Note 2239055
- 24. 2239055 / eDocument: Cross-Country eDocuments
- 25. 2262900 PeDocument Framework: Prerequisites for Note 2256720
- 26. 2256720 / eDocument Framework (9)
- 2318400 reDocument Framework: Prerequisites for Note 2235496
- 28. 2235496 / eDocument Framework (10)

Step	Action
	29. 2376336 PeDocument Framework: Prerequisite Objects for Note 2327646
	30. 2327646 / eDocument Framework (11)
	31. 2436816 Arr eDocument Framework Corrections
	32. 2362125 Percent Cockpit: Prerequisite Objects for Note 2293306
	33. 2293306 🍫 eDocument Cockpit
	34. 2380011 Procument Framework: Syntax Error in Class CL_EDOC_SEL_RESULT_UI
	35. 2452406 Missing GUI Status (CUAD) Objects of the eDocument Cockpit for SAP_APPL 6.00
	36. 2391309 Pocument Inbound Message Handler: Pre- requisites for SAP Note 2280985
	37. 2280985 🗫 eDocument Inbound Message Handler
	38. 2325723 P eDocument Framework: Calculate Days for Payment
	39. 2403666 Performed and the second
	40. 2386606 / eDocument Framework (12)

Next Step

The list of notes in Step 3 in the table above correspond exactly to the objects delivered with the TCI. After the release of the TCI, there has been enhacements and corrections to the eDocument Framework. To ensure that your system is updated, you are required to manually install some additional notes for eDocument Framework. Refer to the section Corrections and Enhancements [page 8].

1.1.3 Corrections and Enhancements

This section lists the SAP Notes with corrections or enhancements to the eDocument Framework done after the TCI has been released. You install the following notes either if you have installed the TCI or have installed all eDocument Framework notes one by one, as mentioned in section Manual Installation of SAP Notes for eDocument Framework [page 6].

i Note

The list of SAP Notes that follows comprises all necessary notes to complete the installation of the eDocument Framework. It does not contain every and each correction notes that exist for the eDocument Framework. To ensure that your system is in the last stand, we recommend that you periodically check for new correction notes for the eDocument component.

Table 4: Installation Steps for Corrections and Enhancements

Step	Substep	Action
1.Install additional notes with corrections and enhancements	Some notes may have pre and post im- plementation steps. Make sure you have completed all the steps and activated the objects in your system.	The following notes have been released after the TCI for eDocuments has been released. Therefore you need to install them manually.
		 2380011 eDocument Frame- work: Syntax Error in Class CL_EDOC_SEL_RESULT_UI
		 2436816 eDocument Framework Corrections (Relevant for 6.00 EHP 5 (605) release only)
		 2432451 / eDocument Frame- work: Technical Change for the 'De- fine Partner Connector' BAdl
		 2446369 Document Frame- work: Prerequisite Objects for SAP Note 2427168
		 2427168 Performed Processor (13)
		 2470556 Pocument: Correction for Framework (13)
		 2486646² eDocument Cockpit: Dump CREATE_DATA_UN- KNOWN_TYPE
		 2451093 reDocument Inbound Message Handler: Corrections - Pre- requisites Objects for Note 2433061
		 2433061 eDocument Inbound Message Handler: Corrections
		 2472173 2 - Data in View T003EDOCV cannot be displayed nor maintained
		2476857 eDocument Framework - Utility Class Improvements
		 2488465¹/₂ eDocument: Extend In- bound Message Handler with Fac- tory Class Addition
		 2491153 eDocument Cockpit: eDocument List not Displayed when Country is Different in Company Code
		 2492455 Performed and the end of the end o

Step	Substep	Action
		 2495239 Performance 24995239 Performance 2499656 Performance 2511787 Performance 2498609 Performance 2512844 Performance 2451852 Performance 2451852 Performance 2451852 Performance 2451852 Performance 2451852 Performance 2524566 Performance 2524566 Performance 2513004 Performance

Step	Substep	Action
		 2550791 Perception eDocument Framework: Prerequisites for PDF Enablement 2546016 PeDocument: Prerequisite Objects for SAP Note 2537304 2537304 PeDocument Cockpit: Performance Enhancements 2502211 Performance Enhancements 2583335 Performance Enhancements 2583335 Performance Enhancements 2583335 Performance Enhancements 2561564 Performance Enhancement Framework (16) 2589248 Performance Procument Framework (17) 2601568 Performance Procument Framework (18)

1.2 Installation of SAP ERP, option for e-document processing

The SAP ERP, option for e-document processing add-on requires an extra license. For more information, see SAP Note 2378414

This add-on has a limited runtime usage right for the Application Interface Framework (AIF) which is used to map the transactional data to the required XML format.

Note if you already have AIF installed in your system: Please ensure that you have installed the minimum required release AIF 701 Support Package 04 or higher. For downloading AIF see SAP Software Download Center. If you are installing AIF for the first time, follow the instructions below.

Installation Steps

Table 5: Installation steps for SAP ERP, option for e-document processing add-on

Step	Action	
1. Download the AIF i Note The detailed steps for the download and installation are de- scribed in the note 2071823	Download the AIF solution from the SAP Software Download Center in the Support Portal http://support.sap.com/swdc	
2. Install the AIF	 Install the following AIF notes: 2071823 ABAP Add-On AIF 702: Installation, upgrade, CSPs 2071952 ABAP add-on AIFX 702: Installation, upgrade, CSPs. i Note The SAP Note 2071952 is valid only as of SAP_Basis 731. Its installation is optional because it basically contains additional features (for example Web UI) that are not mandatory for eDocuments. 	
3. Install the latest AIF Support Package	 Some tables needed for the eDocument solution are only available as of AIF SP01. Ensure that you have all necessary objects for eDocuments by installing the latest SP for AIF. 1. Go to the SAP Software Download Center in the Support Portal http://support.sap.com/swdc/2 2. Select Support Packages & Patches Access Downloads and enter AIF 702 in the search field to find the latest available SP for this release. 	

Next Steps

After installing the SAP ERP, option for e-document processing add-on as described above, proceed as follows:

- If you have installed the TCI for eDocument Framework you first install SAP notes that have been created after the TCI has been released. Proceed with Installation of SAP Notes created after the release of the TCI [page 13]
- If you have installed the eDocument Framework by manually installing the notes, proceed with Manual Installation of AIF Notes for eDocument Framework [page 13]

1.2.1 Installation of SAP Notes created after the release of the TCI

Some SAP Notes have been created after the TCI has been released. Therefore, if you have installed the TCI, you need to manually install the additional notes.

Table 6: Installation of SAP Notes Created after the release of the TCI

Step	Action	
Install SAP Note	 2429263 PeDocument AIF Enhancements for Independent Applications 2537196 PeDocument: AIF Interface Connector Enhancement 2587421 PeDocument: Adjustments in Mapping based on Framework (17) 	

Table 7: Additional Steps for SAP S/4HANA only

Step	Substep	Action
1. Install notes that are relevant for SAP S/4HANA only	none	 2260807[*] eDocument: Prerequisites for SAP Note 2421589 2421589[*] eDocument: Changes for SAP S/4HANA

Next Step

After installing the above mentioned note, proceed with the setting up and configuring AIF for eDocument. For more information, see Setup and Customizing of AIF [page 15]

1.2.2 Manual Installation of AIF Notes for eDocument Framework

i Note

This section is **only relevant** if you haven't installed the TCI for eDocuments in your system. In this case, you have to manually install the following Application Interface Framework (AIF) notes relevant for eDocuments:

Installation Steps

Table 8: Installation Steps for integrating AIF and eDocument

Step	Action
Step Install SAP Notes i Note Some of the notes have both pre and pos installation steps. Make sure that you refer to the respective PDFs attached to each note and carry out the required steps.	 Action Use SNOTE transaction to install the following notes: 1. 2008183 eDocument: Implementation of AIF 2. 2061244 eDocument: Additional Functionality for Full Solution 3. 2084705 eDocument : AIF Prerequisites for Note 2049259 4. 2049259 eDocument: AIF Mapping
	 2090651 Percent and the eDocument: AIF interface connector includes 2110694 Percent and the eDocument and the eD
	 8. 2153165 Pedocument: AIF Enhancements 9. 2186689 AIF Implementation Corrections 10. 2279627 Inbound Message Handler 11. 2429263 Pedocument AIF Enhancements for Independent Applications 12. 2537196 Pedocument: AIF Interface Connector Enhancement

Table 9: Additional Steps for SAP S/4HANA only

Step	Substep	Action
1. Install notes that are relevant for SAP S/4HANA only	none	 2260807 Performance eDocument: Prerequisites for SAP Note 2421589 2421589 Performance eDocument: Changes for SAP S/4HANA

Next Steps

After installing the notes above mentioned, proceed with the setting up and configuring AIF for eDocument. For more information, see Setup and Customizing of AIF [page 15]

1.2.3 Setup and Customizing of AIF

After having installed either the eDocument TCI or the notes related to the eDocument Framework and Application Integration Framework (AIF) as described in the previous chapters, you need to do settings and configure AIF for eDocuments.

Settings and Configuration Steps in AIF

There are different notes and steps for SAP ERP and SAP S/4HANA systems. Please refer to the respective tables below for the correct steps for your sytem:

Table 10, Cattings and Canfi	auration Stand in AIE	relevent for for CAD EDD Systems
Table to: Settings and Conn	guration Steps in Air	relevant for for SAP ERP Systems

Step	Action
1. Install SAP Notes	 Use SNOTE transaction to install the following notes: 2027186 Pocument: AIF Setup 2324010 Pecument: AIF Setup II 2010697 Pecument: AIF Customizing
2. Set up and configure AIF	For the notes mentioned in the step above, you do the settings and Customizing steps described in the attached documents in each note.

Table 11: Settings and Configuration Steps in AIF relevant for for SAP S/4HANA Systems

Step	Action
1. Install SAP Notes	 Use SNOTE transaction to install the following notes: 2523782 - eDocument: AIF Setup for SAP S/4HANA 2360094 - eDocument: AIF Customizing for SAP S/4HANA
2. Set up and configure AIF	For the notes mentioned in the step above, you do the settings and Customizing steps described in the attached documents in each note.
3. Install additional SAP Note in case of migration from SAP ERP	2523749/2 eDocument Framework: Migration from SAP ERP to SAP S/4HANA

1.3 Setting up SAP Cloud Platform Integration

You use SAP Cloud Platform Integration to establish communication with the external system by using Web services to send data from SAP ERP/SAP AIF and to receive data from the external systems. This application also

formats the data to comply with the Web service parameters, signs the document digitally, and establishes a secure connection using SSL.

Access SAP Cloud Platform Integration

Your company has to subscribe to the SAP Cloud Platform Integration to get an access to the system. Contact your SAP Account Executive for more information.

Once you subscribe to SAP Cloud Platform Integration, you will be provided with an SDN account that enables you to access the platform using this link https://cloudintegration.hana.ondemand.com. SAP recommends you to read through the Quick onboarding guide for SAP Cloud Platform integration to familiarize yourself with all SAP Cloud Platform integration's features and capabilities.

Installation Steps

Table 12: Installation Steps for SAP Cloud Platform Integration

Step	Action
1. Get SAP CP Integration Certificates	 Download the certificates from the link received in the provisioning e-mail for your tenant from SAP Cloud Operations Team. This email is sent to only one person in your company, the main contact or account manager. If the subscription to SAP Cloud Platform Integration has been done by a partner, the email will be sent to the main contact at the partner company. If you do not receive any mail, you have two alternatives: Contact your Account Executive and ask him/her to access the Cloud Reporting Tool and check the Contact Person IT in the sales order. Or, Open an incident against the LOD-HCI to request again the access data. In this case, the access details will be given to the person requesting the data and not the contact person in the sales order
2. Configure SAP NetWeaver AS for ABAP to support SSL	Follow the steps described in this link https://help.sap.com/ saphelp_nw75/helpdata/en/ 49/23501ebf5a1902e10000000a42189c/content.htm.

Step	Action
3. Set up the SAP Cloud Platform Integration for the eDocument Package.	You have to carry out different steps depending on which country and eDocument process you are implementing. There are specific information for available direct in the eDocument package in SAP Cloud Platform Integration. To access this guides, follow the steps below:
	 Access SAP Cloud Platform Integration using the link https://cloudintegration.hana.ondemand.com . Choose Integration. Choose All.
	4. Search for the integration package you are looking for. If you do not know the exact name of the integration package, search for eDocument and a list of integration packages for the eDocument solution is displayed and you can choose the one you are interested in.
	5. Go to <i>Documents</i> and select the integration documenta- tion from the available documents.
	The document guides you through the settings you do in SAP Cloud Platform Integration to enable the eDocument solution for your country.

Additional Information

If you encounter any issues in setting up the SAP Cloud Platform Integration, please use the component mentioned in the table below:

Table 13: Relevant	BCP Components

BCP Component	Description
LOD-HCI - HANA	You use this component to solve issues related to the SAP Cloud Platform Integration.
LOD-HCI-PI-OPS	You use this component to solve issues related to service re- quests.
LOD-HCI-PI*	You use this component to solve issues related to technical connectivity. * LOD-HCI-PI may not be selected, please choose the most appropriate sub-component.

1.4 Country-Specific Installation Steps

Describes the required steps needed to install eDocuments for different countries.

The section above lead you through the steps to install the features which are common to all eDocument solutions for any country.

The countries solution differ from another and therefore you need to install different SAP notes for each country and scenarios existing in those countries.

The table below lists the countries and scenarios and their respective overview SAP Notes where you find the list of notes you need to install.

Table 14: eDocument	country	solution	overview.	SAP	Notes
Table 14. eDocument	country	Solution	over view.	SAF	notes

Country	Scenarios	Overview SAP Note	Avaliable for*	BCP Components
Chile	DTEIncoming invoicesSummaries	2030855	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-CL
Colombia	 Colombia elnovice Colombia elnvoice Contingency Colombia lncom- ing elnvoice 	2330040	 Enhancement Package 5, SAP ERP 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-CO
Croatia	elnvoicing**	2240513	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-HR
Czech Republic	Cash Invoice Registra- tion**	2350181	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-CZ
France	elnvoicing**	2382462	 Enhancement Package 5, SAP ERP 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-FR
Hungary	Transport Registration (EKAER)	2227052	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-HU
	Invoice Registration	2637574	 SAP ERP, 600 and higher releases SAP S/4HANA 	

Country	Scenarios	Overview SAP Note	Avaliable for*	BCP Components
Italy	Fattura	2001016	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-IT
Mexico	ePayment	SAP ERP:2526771	Enhancement Package 5, SAP ERP 600 SAP S/4HANA Cloud	CA-GTF-CSC-EDO-MX
Peru	Electronic Invoice	2031947 - eDocu- ment Peru - elnvoicing	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-PE
	Witholding TaxTax Collection	2328775	 SAP ERP, 600 and higher releases SAP S/4HANA 	
Slovenia	Cash Invoice Registra- tion**	2042895	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-SI
Spain	elnvoice - Public Entites	2070409	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-ES
	VAT Register (SII)	2448460	 SAP ERP, 600 and higher releases SAP S/4HANA SAP S/4HANA Cloud 	 XX-CSC-ES-FI (SII specific incidents) XX-CSC-ES-LRQ (SII product functional and commercial queries) XX-CSC-ES-FICA (FI-CA related incidents) CA-GTF-CSC-EDO-ES (external systems related incidents)
Taiwan	Outgoing Invoices	2530233	 Enhancement Package 7, SAP ERP 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-TW

Country	Scenarios	Overview SAP Note	Avaliable for*	BCP Components
Turkey	elnvoice (Fatura)Consumer invoiceIncoming invoice	2214845	 SAP ERP, 600 and higher releases SAP S/4HANA 	CA-GTF-CSC-EDO-TR

*For detailed information on which support package a country/feature for a country has been first time relased, refer to validity on the corresponding SAP notes.

**For this country we only offer eDocument Basic solution or Basic Enablement.

Important Disclaimers and Legal Information

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