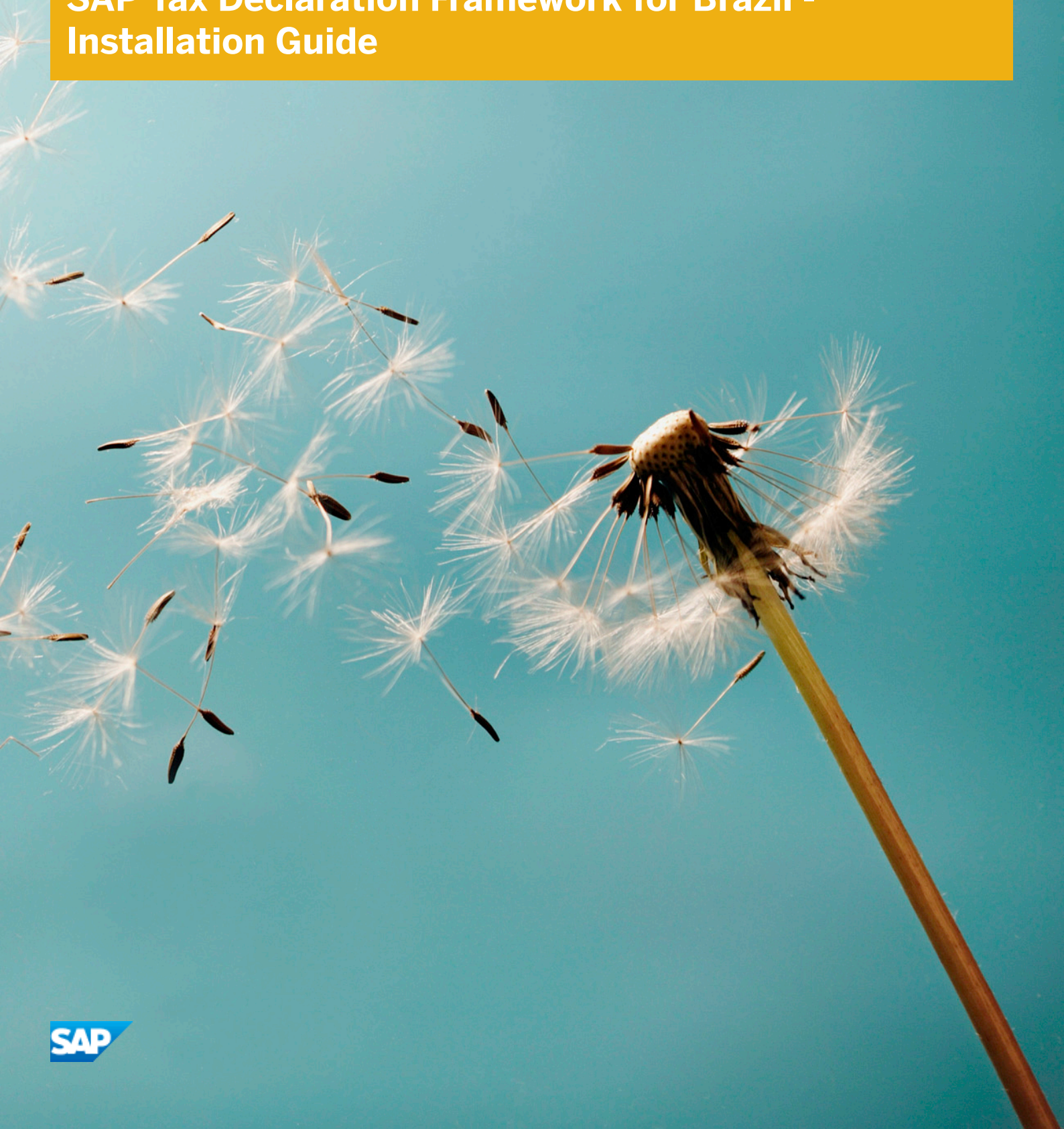


# **SAP Tax Declaration Framework for Brazil - Installation Guide**



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# 1 Document History

The following table provides an overview of the most important document changes.

Version	Date	Description
1.0	2015-07-29	First Version.
1.1	2015-08-24	Information about SP04 installation added to the <i>SAP TDF Add-on Installation</i> section.
1.2	2015-10-14	Information about new report for TDF installation health check added to the <i>SAP TDF Add-on Installation</i> section.
1.3	2015-12-11	Information about support packages installation for SAP TDF running on the same database as S/4HANA was added to each support package subsection under the <i>SAP TDF Add-on Installation</i> section.
		Information about the installation of SP05 was added under the <i>SAP TDF Add-on Installation</i> section.
1.4	2016-03-01	Information about the installation of the SAP TDF standalone version was added to the <i>SAP ERP Installation</i> section.
1.5	2016-04-04	Information about the Release Information Notes of the SAP TDF referred to SP01, SP02, SP03 and SP04 were added under the <i>SAP TDF Add-on Installation</i> section.
		Information about the installation of SP06 was added under the <i>SAP TDF Add-on Installation</i> section.
1.6	2016-08-08	Information about the TDF Deployment Options was added to the <i>About This Guide</i> section.

Version	Date	Description
		Information about the installation of SPO7 was added under the <i>SAP TDF Add-on Installation</i> section.
1.7	2016-08-29	The <i>SAP TDF Add-on Installation with S/4HANA</i> section was created.
		Information about the TDF ERP Business Functions and Switches was added under the <i>Installing SAP ERP</i> section.
1.8	2016-10-07	<i>The SAP TDF Add-on Installation with Two Different Databases</i> was created.
2.0	2016-12-12	A new version of the <i>SAP TDF Add-on Installation</i> section was added.
		The <i>SAP TDF Add-on Installation with S/4HANA</i> and <i>The SAP TDF Add-on Installation with Two Different Databases</i> sections were removed and the information was consolidated in the <i>SAP TDF Add-on Installation Upgrades</i> section.
2.1	2017-03-27	The <i>S/4 HANA Compatibility</i> subsection was added to the <i>SAP TDF Add-on Installation from SPO0 on</i> section.
		Information about the installation of SPO9 was added under the <i>SAP TDF Add-on Upgrade of Support Packages for an Existing Installation</i> section.
2.3	2017-09-25	Information about the installation of SP10 was added under the <i>SAP TDF Add-on Upgrade of Support Packages for an Existing Installation</i> section.
2.4	2018-03-12	Information about the subservices of TDF services was added under the <i>SAP TDF Add-on Installation from SPO0 on</i> .
		Information about the installation of SP11 was added under the <i>SAP TDF Add-on Upgrade of Support Packages for an Existing Installation</i> section.

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Version	Date	Description
2.4.1	2018-05-16	Information for installing TDF using Multitenant Database Containers scenarios was added under the <i>SAP TDF Add-on Installation from SP00 on</i> section.

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## 2 Getting Started

### 2.1 About This Guide

This guide is the central source of installation information for *SAP Tax Declaration Framework for Brazil 1.0*. It describes all objects that are included in the product and all related installation steps.

*SAP Landscape Transformation (SLT) Replication Server* is a replication technology that provides data from ABAP and non-ABAP systems to an SAP HANA environment.

### TDF Deployment Options

Before the installation, you must consider the following information:

#### TDF solution installed with integration to SAP ERP system

- TDF with ECC: The data is replicated from SAP ERP to TDF via System Landscape Transformation (SLT). For more information, see [SAP ERP Installation \[page 9\]](#).
- TDF with ECC on HANA: The data is mapped from SAP ERP to TDF (which shares the same database of HANA). In this case, no SLT configuration is needed.
- TDF with S/4HANA: TDF and S/4HANA share the same database. For this reason, no replication is required. For more information, see [SAP TDF Add-on Installation \[page 17\]](#).

#### TDF solution installed without integration to SAP ERP system

- TDF Standalone: The data is loaded within shadow and staging tables. There is no SLT configuration needed. Instead, some tables must be created according to an SAP Note. For more information, see [SAP TDF Add-on Installation \[page 17\]](#).

Note that all the TDF Deployment Options must be installed in a different NetWeaver than SAP ERP system.

## 2.2 Related Information

### Related Guides

You can find more information about the relevant applications in the following documents:

Title	Location on SAP Help Portal
SAP Tax Declaration Framework for Brazil 1.0 – Administrator's Guide	<a href="https://help.sap.com/http.svc/rc/af83da77875c44cbae38c7bf5eb17fd6/1.0.11/en-US/loiod3635152a7786a67e1000000a441470_d3635152a7786a67e1000000a441470.pdf">https://help.sap.com/http.svc/rc/af83da77875c44cbae38c7bf5eb17fd6/1.0.11/en-US/loiod3635152a7786a67e1000000a441470_d3635152a7786a67e1000000a441470.pdf</a>
SAP Tax Declaration Framework for Brazil 1.0 – Configuration Guide	<a href="https://help.sap.com/http.svc/rc/817a06390ce846a5b60c7a3063bb427a/1.0.11/en-US/loioc1235b521da8617fe1000000a44538d_c1235b521da8617fe1000000a44538d.pdf">https://help.sap.com/http.svc/rc/817a06390ce846a5b60c7a3063bb427a/1.0.11/en-US/loioc1235b521da8617fe1000000a44538d_c1235b521da8617fe1000000a44538d.pdf</a>
SAP Tax Declaration Framework for Brazil 1.0 – Developer's Guide	<a href="https://help.sap.com/doc/5c38c7e56de04efe83138adbdb068163/1.0.10/en-US/loio36a15d9462c6424c929a3b3ca57a7fc3.pdf">https://help.sap.com/doc/5c38c7e56de04efe83138adbdb068163/1.0.10/en-US/loio36a15d9462c6424c929a3b3ca57a7fc3.pdf</a>


### SAP Help Portal




For more information about management solution not covered in this guide, see the following content on SAP Help Portal:

Title	Location on SAP Help Portal
SAP Tax Declaration Framework for Brazil	<a href="https://help.sap.com/viewer/p/SAP_TAX_DECLARATION_FRAMEWORK_FOR_BRAZIL">https://help.sap.com/viewer/p/SAP_TAX_DECLARATION_FRAMEWORK_FOR_BRAZIL</a>

### Further Useful Links

The following table lists further useful links on sap.com:

Content	Location on sap.com
Information about creating error messages	<a href="http://service.sap.com/incident">http://service.sap.com/incident</a> 

Content	Location on sap.com
SAP Notes search	<a href="https://support.sap.com/en/my-support/knowledge-base.html">https://support.sap.com/en/my-support/knowledge-base.html</a> 
SAP Software Distribution Center (software download and ordering of software)	<a href="https://support.sap.com/en/my-support/software-downloads.html">https://support.sap.com/en/my-support/software-downloads.html</a> 
SAP Online Knowledge Products (OKPs) – role-specific learning maps	<a href="http://service.sap.com/rkt">http://service.sap.com/rkt</a> 



## 3 SAP ERP Installation

### 3.1 Important SAP Notes

SAP Note	Description	Comments
<a href="#">1661202</a>	Support for multiple applications on SAP HANA	
<a href="#">1923804</a>	Release Information Note: SAP Tax Declaration Framework for Brazil 1.0	
<a href="#">1861609</a>	TMFLOCBR 100: Release strategy	Describes the minimal requirements and technical steps for the installation of software component TMFLOCBR of SAP Tax Management Framework for Brazil

### 3.2 Installing SAP ERP

SAP Tax Declaration Framework for Brazil provides new features, enhancements and integration with SAP ERP, in addition to the TMFLOCBR add-on.

To determine the support package (SP) level of SAP\_APPL 605, 606, 607 and 608 for which these developments are available, consult the list of features provided in SAP Note [1923804](#) *Release Information Note: SAP Tax Declaration Framework for Brazil 1.0*.

#### **i** Note

SAP Note [1923804](#) is updated regularly. Make sure that you use the latest version of this SAP Note.

### SAP Note Implementation

The following table lists the SAP Notes required for the installation of SAP TDF:

#### **i** Note

If you are installing SAP TDF in the same data base that you have S/4HANA installed, you skip the implementation of the notes below and you implement only SAP note [2183661](#).

SAP Note	Description
<a href="#">1844619</a>	NF-e: Storing Additional Data - BAdI, derived fields, texts
<a href="#">1844621</a>	NF-e: Storing Additional Data - Obj.Services & NF Writer
<a href="#">1856625</a>	Master Data - Screen
<a href="#">1856635</a>	Tax Determination - Code
<a href="#">1857633</a>	TDF: Release of first objects
<a href="#">1859126</a>	NF-e: Storing Additional Data - Enhancement of NF Writer
<a href="#">1860360</a>	NF-e: Storing Additional Data - application generated NFs
<a href="#">1860362</a>	NF-e: Storing Additional Data - outbound NF-e & Reports
<a href="#">1860433</a>	NF-e: Storing Additional Data for DANFE & Reporting
<a href="#">1864230</a>	TDF: automatic tax code det. MM - Implementation Objects
<a href="#">1865657</a>	NF-e: Update MM/FI with NF-e number - Credit Memos
<a href="#">1869063</a>	NF-e: send obsCont, obsFisco, procRef to GRC
<a href="#">1869452</a>	Tax Determination - BADI Creation
<a href="#">1869554</a>	Tax Determination - DDic creation
<a href="#">1869555</a>	Tax Determination - DDic creation
<a href="#">1869559</a>	Master Data - Screen
<a href="#">1870122</a>	TDF: automatic tax code det. SD - implementation objects
<a href="#">1871231</a>	TDF: BAPI auto. tax code det. MM - implementation objects
<a href="#">1873294</a>	Master Data - DDics
<a href="#">1873302</a>	Master Data - DDics
<a href="#">1877404</a>	NF-e: Enhancements NF Writer screen controls
<a href="#">1878417</a>	TDF: Online Validation of Tax Data
<a href="#">1882947</a>	NF-e: Storing Additional Data - Corrections for NF Writer
<a href="#">1892841</a>	Master Data - DDics - Advanced delivery files
<a href="#">1893503</a>	TDF: Nota fiscal writer with accounting

SAP Note	Description
<a href="#">1894089</a>	Pre-Implementation Objects II
<a href="#">1894759</a>	TDF: auto. tax code det. MM - Manual tax code reason and CFOP category enhancements
<a href="#">1900965</a>	Pre-Implementation Objects
<a href="#">1903125</a>	Pre-Implementation Objects I
<a href="#">1904040</a>	TDF: auto. IVA det. MM - Corrections for Purchasing and Scheduling Agreement processes
<a href="#">1907146</a>	Pre-Implementation Objects
<a href="#">1913442</a>	TDF: Non Nota fiscal writer with accounting cancellation
<a href="#">1916946</a>	New enhancements for Brazil Localization
<a href="#">1917575</a>	TDF: IM - Physical inventory adjustments with nota fiscal
<a href="#">1923768</a>	TDF: Simulation window does not close
<a href="#">1930508</a>	TDF: SAP Tax Declaration Framework Services
<a href="#">2205507</a>	TDF: CIAP - Data Dictionary for TDF solution
<a href="#">2183661</a>	TDF: New fields for TDF SPED Contribuições in tables J_1BNFDOC and J_1BNFLIN

## Activating TDF ERP Business Function

To start using TDF ERP tax processing option, you must activate the LOG\_TMF\_INT\_1 business function, through the SFW5 transaction.

This business function activates the following switches:

Switch	Description
ITMF_SFW_INV_ADJ	Inventory Adjustment
ITMF_SFW_NF_ACCT	Accounting of NF Writer
ITMF_SFW_REP	Switch for TDF Reports
ITMF_SFW_SD_TC	SD Tax Code Aut. Det.
ITMF_SFW_TDS	Switch for Tax Declaration Services

ITMF_SFW_MM_TC	MM Tax Code Aut. det.
ITMF_SFW_ONLINE_VALIDATION	Online validation

If you don't use the TDF ERP features above, you must activate the `LOG_TMF_INT_1_1` business function, through the `SFW5` transaction, to integrate the features with TDF solution. This business function activates the following switches:

Switch	Description
ITMF_SFW_REP	Switch for TDF Reports
ITMF_SFW_TDS	Switch for Tax Declaration Services

### **i** Note

Once you activate a business function, new fields and functionalities are activated. Make sure you have performed the required customizing.

## Loading BRF+ Applications

Read SAP Note [1878417](#) (TDF: Online Validation of Tax Data) and load the BRFplus applications.

To load BRFplus applications, proceed as follows:

1. Execute the `BRF+` transaction.
2. Click *Settings*.
3. Change *User Mode* to *Expert*.
4. On the *General* tab page, make sure that *Show XML Import Type selection in XML Import Tool* is selected.
5. Create a *Customizing request* using transaction `SE09`.
6. In the *Tool* menu, choose *XML Import* and select an XML file.
7. Select the Customizing request that you created in step 5.
8. Choose *Upload XML File*. Repeat this step for all BRFplus templates.

## 3.3 Installing SAP Landscape Transformation

In order to load and replicate data to SAP TDF on HANA, you must install and configure SAP Landscape Transformation (SLT) 2.0.

### **i** Note

If you are installing SAP TDF in the same data base that you have S4/HANA installed or in case you are using TDF with Multitenant Database Containers, skip the steps related to the SLT.

## Installing SLT

Install SAP SLT 2.0 according to the installation and configuration documentation available at <http://help.sap.com/saplt20/>.

## Importing Support Packages and Relevant Notes

In order to ensure the best performance during data load, implement the latest support package and correction notes.

After installing the latest support package, consult the relevant SAP Note to obtain the updated list of correction notes. SAP Note [2016511](#) (*Installation/Upgrade SLT - DMIS 2011 SP7*) contains the relevant correction notes for SP7.

SAP Note	Source System	Replication Server	Description
<a href="#">2016512</a>	Yes	Yes	SLT (2011 SP07) - Correction 01
<a href="#">2041240</a>	No	Yes	SLT (2011 SP07) - Correction 02
<a href="#">2057779</a>	No	Yes	SLT (2011 SP07) - Correction 03
<a href="#">2063692</a>	Yes	Yes	SLT (2011 SP07) - Correction 04
<a href="#">2067439</a>	No	Yes	SLT (2011 SP07) - Correction 05
<a href="#">2072445</a>	Yes	Yes	SLT (2011 SP07) - Correction 06
<a href="#">2085216</a>	Yes	Yes	SLT (2011 SP07) - Correction 07
<a href="#">2105350</a>	Yes	Yes	SLT (2011 SP07) - Correction 08
<a href="#">2111616</a>	No	Yes	SLT (2011 SP07) - Correction 09
<a href="#">2116707</a>	No	Yes	SLT (2011 SP07) - Correction 10
<a href="#">2118125</a>	No	Yes	SLT (2011 SP07) - Correction 11

SAP Note	Source System	Replication Server	Description
<a href="#">2119784</a>	No	Yes	SLT (2011 SP07) - Correction 12
<a href="#">2119784</a>	No	Yes	SLT (2011 SP07) - Correction 13
<a href="#">2123494</a>	No	Yes	SLT - recreate logging tables

## Activating Web Dynpro and Relevant Services for SLT

After the installation of the SAP Landscape Transformation Replication Server (SLT), all required Web Dynpro SLT services are initially disabled. You must enable these services in order to run the SLT user interface.

To activate the SLT services, proceed as follows:

1. Execute the *Define Services* (SICF) transaction .
2. In the *Hierarchy Type* field, enter SERVICE, and choose *Run*.
3. Expand the node *default\_host*.
4. Activate the following services:

```

sap/bc/webdynpro/iuuc_replication_config
sap/bc/webdynpro/iuuc_repl_mon_powl
sap/bc/webdynpro/iuuc_helpcenter
sap/bc/webdynpro/iuuc_helpcenter_document
sap/bc/webdynpro/iuuc_repl_wdc_config_gaf
sap/bc/webdynpro/iuuc_repl_mon_schema_oif
/sap/public/myssocntl
/sap/public/bc/icons
/sap/public/bc/icons_rtl
/sap/public/bc/ur
/sap/public/bc/webicons
/sap/public/bc/pictograms
/sap/public/bc/webdynpro/adobeChallenge
/sap/public/bc/webdynpro/mimes
/sap/public/bc/webdynpro/ssr
/sap/public/bc/webdynpro/ViewDesigner

```

## Configuring the SLT Source Environment

### Generating Roles

In order to replicate data using the SAP LT Replication Server, you must create an RFC connection to the source system. A user is required in the SAP HANA In-Memory Database so that replication data can be stored.

The SAP\_IUUC\_REPL\_REMOTE role is required.

To generate the SAP\_IUUC\_REPL\_REMOTE role, proceed as follows:

1. Execute the *Role Maintenance* (PFCG) transaction.
2. In the *Role* field, enter the role SAP\_IUUC\_REPL\_REMOTE.
3. Choose *Change Role*.
4. On the *Authorizations* tab page, choose *Change Authorization Data*. The system displays the *Change Role: Authorizations* screen.
5. Choose *Generate*.
6. Return to the *Authorizations* tab page; this tab page should now have a green light.
7. In the *User* tab page, choose *User Comparison*. The system displays the *Compare Role User Master Record* screen.
8. Choose *Complete Comparison*. The *User* tab page should now also have a green light.

### Creating a User

A user is required in the SAP HANA In-Memory Database so that replication data can be stored. Create a user for the RFC connection from SLT to source system.

To create a user, proceed as follows:

1. Execute the *User Maintenance* (SU01) transaction .
2. In the *User* field, enter **SLTREMOTE**.
3. Choose *Create*.
4. On the *Address* tab page, enter the required information.
5. On the *Logon Data* tab page, enter a password and set the user type as *Service*.
6. On the *Roles* tab page, insert the SAP\_IUUC\_REPL\_REMOTE role.
7. Save the user.

In the SLT system, create an RFC connection to the SAP ERP source system using the user created in the last procedure, using the following steps:

1. Execute the *Configuration of RFC Connections* (SM59) transaction.
2. Choose *Create*.
3. In the *RFC Destination* field, enter RFC name **SLT\_ERP**, and set the *Connection Type* field to *3 - ABAP Connection*.
4. In the *Description 1* field, enter *RFC for SLT Extraction*.
5. On the *Technical Settings* tab page, in the *Target Host* field, enter the source system host name.
6. On the *Logon & Security* tab page, enter the user information.
7. Save the RFC details.

### Creating an SLT Connection

To create an SLT connection, proceed as follows:

1. Execute the *LTR* transaction.
2. Choose *New*.
3. In the *Configuration Name* field, enter the name of the SLT configuration name.
4. Choose *Next*.

- 
5. Choose *RFC Connection* and enter the RFC name you created in the section above.
  6. Choose *Next*.
  7. Select *DB Connection*.
  8. In the *Database* field, enter *HANA*.
  9. In the *Admin User Name* field, enter the HANA administrator's user name.
  10. Enter your password.
  11. Enter data for database host name, instance and port.
  12. Choose *Next*.
  13. Choose *Resource Optimized*.
  14. Define the number of jobs for data transfer.
  15. Choose *Next*.
  16. Choose *Create Configuration*.

## Replication Settings

Certain SAP ERP tables are required on HANA in order to activate the CTR content. For details of the tables required, see SAP Note [2190963](#).

For advanced replication settings including table filtering, see SAP Library for SAP Landscape Transformation on SAP Help Portal at <http://help.sap.com/saplt20>.



## 4 SAP TDF Add-on Installation from SPO0 on

### **i** Note

If you are installing SAP TDF Add-on in a new system, follow the steps below. If you are upgrading SAP TDF Add-on installation, see [SAP TDF Add-on Upgrade of Support Packages for an Existing Installation \[page 23\]](#).

### Release Strategy

The following table lists the SAP Notes that describe restrictions and other details for the installation of the TMFLOCBR software components:

SAP Note	Title	Description
1861609	TMFLOCBR 100: Release strategy	Describes the minimal requirements and technical steps for the installation of software component TMFLOCBR of SAP Tax Management Framework for Brazil

### Installing AS ABAP for SAP TDF 1.0

The prerequisites for installing the SAP TDF Add-on are as follows:

- SAP HANA
- SAP NetWeaver 7.4 on SAP HANA
- SAP HANA Studio

The required version of SAP HANA is specified in the release notes for each support package.

For more information about SAP HANA and SAP NetWeaver 7.4, see the documentation available at:

- SAP HANA – <http://help.sap.com/hana>
- SAP NetWeaver 7.4 – <http://help.sap.com/nw74>

### **i** Note

The TMFLOCBR 100 component is now supported on SAP Netweaver 7.5, 7.51 and 7.52. To install SAP TDF Add-on on SAP NetWeaver 7.5, 7.51 and 7.52 system, download the `TMFLOCBR==100` ACP with the `I7200207512590106708.PAT` PAT file from the SAP Support Portal at <http://support.sap.com/swdc> and extract it into the EPS/in of the system. Then, continue in the SAINT transaction.

## Preconfiguration Steps for Installation of the SAP TDF Add-on

### **i** Note

If you have the standalone version of SAP TDF, go to the *Creating an schema on HANA for SAP TDF Installation* subsection and see SAP Note [2258590](#).

Before installing the SAP TDF Add-on, perform the following steps:

1. Apply the SAP Notes specified in SAP Note [1923804](#).
2. Configure selective SLT (only relevant data for reporting/analytics) from EhP5 or later, then replicate to all used instances (for example, *DEV*, *Quality*, and *Productive*).
3. Complete the SLT initial load for the tables listed in SAP Note [2190963](#).

### Creating an schema on HANA for SAP TDF Installation

To create an schema on HANA, proceed as follows:

### **i** Note

If you are using TDF as a Standalone solution, you can create a Schema with a different name than described below. To do so, adapt the DDLs of the SAP Note [2258590](#) to create the tables in the schema that you have entered. Then, make sure to use your **Schema\_Name** instead of `SAP_TMP` when mapping schemas on HANA.

1. Create an schema named as `SAP_TMP`.
2. Apply SAP Note [2258590](#).

### Mapping Schemas on HANA

To map schemas, proceed as follows:

1. Execute *HANA Studio*.
2. Select the *Modeler* perspective.
3. Choose *Quick Launch*.
4. Choose *Schema Mapping*.
5. Select the physical schema to configure.
6. If you are using Multitenant Database Containers, configure your schema mapping as below and skip step 7. If you are not using Multitenant Database Container, execute step 7:

Authoring Database Name	Authoring Schema	Physical Database Name	Physical Schema
<Empty>	SAP_ECC	<Your S/4HANA Database>	<SAP_TMP>
<Empty>	SAP_ABAP	<Empty>	<SCHEMA_CREATED_FOR_TDF>

7. Create two schema mappings as follows:

Authoring Schema	Physical Schema
SAP_ECC	<SAP_TMP>
SAP_ABAP	<SCHEMA_CREATED_FOR_TDF>

### Creating the Flag in the SNHI\_DUP\_PREWORK Table

Create the *PREWORK* flag:

1. Execute transaction SM30.
2. Maintain the SNHI\_DUP\_PREWORK view.
3. Create a new entry.
4. Enter TMFLOCBR in the *Software Component* field.
5. Mark the *Prework* flag.
6. Choose *Save*.

## Installing TMFLOCBR100 and its Support Packages on SAP Netweaver

### ➔ Recommendation

Before installing TMFLOCBR100, make sure you have implemented all the prerequisites mentioned in the following SAP Notes:

Support Package	Release Information Note
0	1923804 
1	2019829 
2	2058478 
3	2104907 
4	2148331 
5	2215394 
6	2267307 
7	2300579 
8	2343556 
9	2425721 

Support Package	Release Information Note
10	<a href="#">2486921</a> 
11	<a href="#">2610312</a> 

You use transaction `SAINT` to install additional technical usages (ABAP only).

Make sure you import the newest SPAM/SAINT update before using transaction `SAINT` to install additional technical usages, and note that you also need to use [SAP Solution Manager Maintenance Optimizer](#) to generate a stack configuration file.

Install all the TDF Support Packages in the same transport queue by importing all released support packages alongside `TMFLOCBR100`.

Detailed information about the SAP Add-On Installation Tool is available here: <http://help.sap.com/spmanager> .

Execute transaction `SAINT` on client 000.

### Note


TDF only transports the content of the customizing tables for client 000.

## Schema Mapping

### Note

If you are using TDF as a Standalone Solution, skip the step below and go to the [Activate TDF Services](#) section.

### Note

If you are using Multitenant Data Containers, after installing TDF SP11, you must implement SAP Note [2623960](#)  before proceeding.

- Execute authorization queries by entering the following commands:
  - alter user **your system user** add remote identity system at database **your database**.
  - alter user **your system user** add remote identity `_SYS_REPO` at database **your database**.
- Execute authorization queries for S4/HANA by entering the following commands:
  - grant select on schema **your S4/HANA schema** to **your system user** with grant option.
  - grant execute on schema **your S4/HANA schema** to **your system user** with grant option.
- Change your schema back to the one that contains your ERP tables.

Authoring Schema	Physical Schema
SAP_ECC	<SCHEMA_CONTAINING_ERP_TABLES>

4. Redeploy all HANA Views from package sap.go.tmflocbr.
5. If you are using two HANA databases (one HANA database for TDF and another HANA database for S/4HANA or SFIN), go to the [Create GLTO and FAGLFLEX Views Manually](#) section of this document before continuing.
6. Delete the SAP\_TMP schema.

### **i** Note

Make sure you are deleting the right schema (SAP\_TMP) to complete the TDF with S/4HANA installation. S/4HANA installation.

## **S/4 HANA Compatibility**

If you are installing TDF SP11 on, make sure your user has authorization to execute the Synonym Creation Queries in your TDF Installation Schemas.

To do so, follow the steps below:

1. Access the SE38 transaction.
2. Execute the /TMF/SAH\_COMPATIBILITY report.
3. Choose the `Create Synonyms` radio-button.
4. Unselect the `<Simulation Mode>` flag.
5. Execute the report.

## **Creating GL10 and FAGLFLEX Views Manually**

If you are using S/4HANA or SFIN, after changing the schema mapping above, you must create the GLTO and the FAGLFLEX views manually on your TDF HANA database. You must create them under the replicated SAP\_ECC schema and replicate all the necessary tables to provide data for these views.

After that, you must activate manually the following views:

- sap.glo.tmflocbr.ctr::PRV\_SALDO\_CONTABIL\_GLT0
- sap.glo.tmflocbr.ctr::PRV\_SALDO\_CONTABIL\_FAGLFLEX

## **Activate TDF Services**

1. Execute the [Maintain Service](#) (SICF) transaction.
2. In the [Hierarchy Type](#) field, choose [SERVICE](#) and then choose [Run](#).
3. Expand the node `default_host`.
4. Activate the following services and their subservices:
  - sap/public/bc/icf/logoff
  - sap/bc/bsp/tmf:
    - /sap/bc/bsp/tmf/ecf
    - /sap/bc/bsp/tmf/mf\_monitor
    - /sap/bc/bsp/tmf/nfv01
    - /sap/bc/bsp/tmf/orgstr01
    - /sap/bc/bsp/tmf/tom01
  - sap/bc/ui5\_ui5/tmf:

- /sap/bc/ui5\_ui5/tmf/ecf
- /sap/bc/ui5\_ui5/tmf/mf\_monitor
- /sap/bc/ui5\_ui5/tmf/nfv01
- /sap/bc/ui5\_ui5/tmf/orgstr01
- /sap/bc/ui5\_ui5/tmf/rtfupload
- /sap/bc/ui5\_ui5/tmf/tom01
- sap/opu/odata/tmf:
  - /sap/opu/odata/tmf/ecf\_srv
  - /sap/opu/odata/tmf/mf\_monitor
  - /sap/opu/odata/tmf/rtf\_upload\_srv
  - /sap/opu/odata/tmf/tm\_tmf\_nfv01
  - /sap/opu/odata/tmf/tm\_tmf\_tom01
  - /sap/opu/odata/tmf/tom\_api\_srv
  - /sap/opu/odata/tmf/ts\_tmf\_orgstr

To activate each of these services, right-click the `tmf` node and select the **Yes** button with the tree icon. This activates the selected service node including all the subservices maintained for it.

#### **i** Note

Make sure that the subservices of the services above are activated.

# 5 SAP TDF Add-on Upgrade of Support Packages for an Existing Installation

## **i** Note

If you have installed TDF Add-on previously and now you want to upgrade it, check the Support Package that you are currently working on and follow the steps as of that Support Package. If you are installing SAP TDF Add-on in a new system, from SPO0 on, see [SAP TDF Add-on Installation from SPO0 on \[page 17\]](#).

## Installation of Support Packages

Install all support packages individually; do not create an installation queue with more than one support package.

### Install SP01

1. Check the installation prerequisites in the Release Information Note [2019829](#).
2. Deselect the *PREWORK* flag:
  1. Execute transaction SM30.
  2. Maintain the SNHI\_DUP\_PREWORK view.
  3. Select software component TMFLOCBR and deselect the *PREWORK* checkbox.
  4. Choose *Save*.
3. Import the SP01 file using transaction SAINT.
4. Install the support package using transaction SPAM on client 000.

## **i** Note

During the Support Package installation, you might get an error that prevents you from continuing the installation. To solve the error, implement SAP Note [2218792](#).

5. If you are installing SAP TDF in the same data base that you have S4/HANA installed, you must change and manually activate the following views:
  - `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_GLT0`
  - `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_FAGLFLEXT`
6. In HANA Studio, manually activate the following views (activate each one individually and in this order):
  - `PRV_NF_CODIGO_OBSERVACAO`
  - `PRV_NF_CODIGO_OBSERVACAO_SCRIPT`
  - `PRV_NF_INF_COMPLEMENTAR`
  - `PRV_NF_INF_COMPLEMENTAR_SCRIPT`
  - `NF_CODIGO_OBSERVACAO`
  - `NF_INF_COMPLEMENTAR`
7. In HANA Studio, activate all HANA views on the queue of the NetWeaver user, as follows:

1. Right-click on package `sap.glo.tmflocbr`.
2. Activate all inactive views.

### Install SP02

1. Check the installation prerequisites in the Release Information Note [2058478](#).
2. Apply SAP Note [2190874](#).
3. Deselect the *PREWORK* flag:
  1. Execute transaction `SM30`.
  2. Maintain the `SNHI_DUP_PREWORK` view.
  3. Select software component `TMFLOCBR` and deselect the *PREWORK* checkbox.
  4. Choose *Save*.
4. Import the SPO2 file using transaction `SAINT`.
5. Install the support package using transaction `SPAM` on client 000.

#### **i** Note

During the Support Package installation, you might get an error that prevents you from continuing the installation. To solve the error, implement SAP Note [2218794](#).

6. In HANA Studio, manually activate the following views (activate each one individually and in this order):
  - `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_GLT0`
  - `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_FAGLFLEXT`
7. Activate all HANA views in the queue of the NetWeaver user, as follows:
  1. Right-click on package `sap.glo.tmflocbr`.
  2. Activate all inactive views.

### Install SP03

#### **i** Note

If you are installing SAP TDF in the same data base that you have S4/HANA installed, skip step number two.

1. Check the installation prerequisites in the Release Information Note [2104907](#).
2. Set the *PREWORK* flag:
  1. Execute transaction `SM30`.
  2. Maintain the `SNHI_DUP_PREWORK` view.
  3. Select software component `TMFLOCBR` and select the *PREWORK* checkbox.
  4. Choose *Save*.
3. Import the SPO3 file using transaction `SAINT`.
4. Install the support package using transaction `SPAM` on client 000.

#### **i** Note

During the Support Package installation, you might get an error that prevents you from continuing the installation. To solve the error, implement SAP Note [2218796](#).



5. If you are installing SAP TDF in the same data base that you have S4/HANA installed, you must manually activate the following views:

- `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_GLT0`
- `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_FAGLFLEXT`

6. Activate all HANA views in the queue of the NetWeaver user, as follows:

1. Right-click on package `sap.glo.tmflocbr`.
2. Activate all inactive views.

### Install SP04

1. Check the installation prerequisites in the Release Information Note [2148331](#).
2. Set the *PREWORK* flag:
  1. Execute transaction `SM30`.
  2. Maintain the `SNHI_DUP_PREWORK` view.
  3. Select software component `TMFLOCBR` and select the *PREWORK* checkbox.
  4. Choose *Save*.
3. Import the SP04 file using transaction `SAINT`.
4. Install the support package using transaction `SPAM` on client 000.

#### **i** Note

During the Support Package installation, you might get an error that prevents you from continuing the installation. To solve the error, implement SAP Note [2208135](#).

5. If you are installing SAP TDF in the same data base that you have S4/HANA installed, you must manually activate the following views:

- `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_GLT0`
- `sap.glo.tmflocbr.ctr::PRV_SALDO_CONTABIL_FAGLFLEXT`

6. Activate all HANA views in the queue of the NetWeaver user, as follows:

1. Right-click on package `sap.glo.tmflocbr`.
2. Activate all inactive views.

### Install SP05

1. Check the installation prerequisites in the Release Information Note [2215394](#).
2. Import the SP05 file using transaction `SAINT`.
3. Install the support package using transaction `SPAM` on client 000.

### Install SP06

1. Check the installation prerequisites in the Release Information Note [2267307](#).
2. Import the SP06 file using transaction `SAINT`.
3. Install the support package using transaction `SPAM` on client 000.

### Install SP07

1. Check the installation prerequisites in the Release Information Note [2300579](#).
2. Import the SP07 file using transaction `SAINT`.
3. Install the support package using transaction `SPAM` on client 000.

### Install SP08

## **i** Note

If you are using TDF with ECC and SLT or with S/4HANA, apply SAP Note [2400274](#).

1. Check the installation prerequisites in the Release Information Note [2343556](#).
2. Import the SP08 file using transaction SAINT.
3. Install the support package using transaction SPAM on client 000.
4. Apply SAP Note [2395948](#).

### **Install SP09**

1. Check the installation prerequisites in the Release Information Note [2425721](#).
2. Apply SAP Note [2421880](#).
3. Import the SP09 file using transaction SAINT.
4. Install the support package using transaction SPAM on client 000.
5. Execute the following Migration Reports using transaction SE38:
  - /TMF/MAT\_CONFI\_MIGRATION: For more information, see SAP Note [2424888](#).
  - /TMF/MIGRATION\_COD\_OBS\_COD\_INF: For more information, see SAP Note [2426940](#).
  - /TMF/MIGRATION\_NUM\_DOC: For more information, see SAP Note [2428603](#).

## **i** Note

If you have already applied the SAP Notes above, skip the step 5.

### **Install SP10**

1. Check the installation prerequisites in the Release Information Note [2486921](#).
2. Import the SP10 file using transaction SAINT.
3. Install the support package using transaction SPAM on client 000.
4. Apply SAP Note [2536685](#).

### **Install SP11**



1. Check the installation prerequisites in the Release Information Note [2610312](#).
2. Import the SP11 file using transaction SAINT.
3. Install the support package using transaction SPAM on client 000.
4. Apply SAP Note [2604673](#).

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