

SAP S4HANA

Finance Module

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What is the difference between SAP HANA and S4/HANA

Sap HANA is an in memory database and S4/HANA (sap business suit for sap HANA) is an application, which built on HANA database.

It has to be mentioned, that S4/HANA is a new product and not a new version

For example, EHP4 and EHP6 are new versions but s4 Hana is completely different and it is a next generation.

It is worth noting that we can have EHP8 version for example on HANA database, however we cannot have S4/HANA with any other database except HANA.

It should be pointed out if you go for HANA database in ECC application, Tables like ACDOCA will not be added to your system. Speed is one of the benefit you can get from HANA database but not Tables.

What is the difference between ECC and S4/HANA

1.Reconciliation issue

In ECC there were different tables for FI and CO. they could provides different picture from each other.

In S4/HANA FI and Co are mashed together and store in one table and therefore there is no differences in between. (Using a single source of truth.)

2.Real time processing:

S4/HANA uses real-time processes. In ECC we were not able to generate graphical report like charts so we were forced to use BW as a separate system. However, in S4/HANA there is an embedded BW (embedded analytics) and it is directly calling from core system so it becomes real-time and we can have access to all charts just using S4/HANA.

3.Dynamic planning and analysis

Earlier in ECC, BPC (business planning and consolidation) was in a separate system so for any planning purposes, the data should transfer to BPC and the result should transfer to ECC again. Now in S4/HANA they are stored in a single source, there is no need to transfer the data back and forth, and it provides higher speed.

5.Including CRM, SRM. PLM, SCM

It is enterprise management because it includes all modules In ECC, plus advance modules like CRM and SRM

In ECC all other options were in separate system.

6.Parallel processing

SAP is using the hardware, which is so advanced. Imagine one job done by one person. Now imagine the same job done by six persons. That is parallel processing.

7.Calculation engine

FAGLFLEX: aggregate/total table – It shows the balance of a GL

FAGLFLEXA: aggregate/total table – It stores all the data relevant to specific GL

It should be noted in ECC, GLT0 does not updated if new gl activated and FAGLFLEX updates instead.

You can see in the table below whether new GL is activated or not:

FAGL_ACTIVEC

FAGL_ACTIVEC: Display of Entries Found

Search in Table

FAGL_ACTIVEC

Activation of New General Ledger

Number of hits

1

Runtime

0

Maximum no. of hits

500

<

However, in SAP 4 HANA system can do all the calculation related to GL Balance in real-time. Therefore, no need to those two tables and it has a very powerful calculation engine.

8.Cloud option

IN ECC , all customers need to buy hardware at first and that was costly.

Now there are two option; cloud and on premise.

On premise means buying the hardware, software and so on. It means customer is the owner.

However, cloud does not need any hardware.

Cloud gives us the latest version. Always...without asking

However, on premise gives us the option to use the latest version or not.

It has to be considered, if you want the new version we need to pay, in on premise and not in cloud.

In Cloud Full scope of ERP and Full traditional ABAP are not available.

In case of on premise new version are available every year but in case of cloud new version are available every 3 quarter.

It has to be noticed that the version available for cloud are only available for could and the version available for on premise are only available for on premise.

9.Faster speed

SAP HANA base is one of the reasons that should be referenced for the higher speed of S4/HANA

But why?

The third party databases that SAP was using were developed around 30 years ago and they were stored data in Hardware.

So for executing programs SAP was using RAM, and later on , stored data in Hardware, again for reading data and executing the reports used hardware to read the data and go to RAM. Therefore, it must go back and forth to store and read the data.

However in HANA database, data stores In RAM, the concept of RAM and ROM are mashed together, and that is in memory computing which leads to the higher speed.

The other reason for the higher speed is column based data storage in SAP HANA database.

Besides, from the higher speed, compressing data was one of the advantage of using column-based tables.

SAP HANA permits OLTP and OLAP workloads on common platform by storing data In high-speed memory, organizing it in columns.

This delivers faster query processing that aggregates data efficiency.

10.Methodology:

For more information, you can refer to the link below:

go.support.sap.com/roadmapviewer

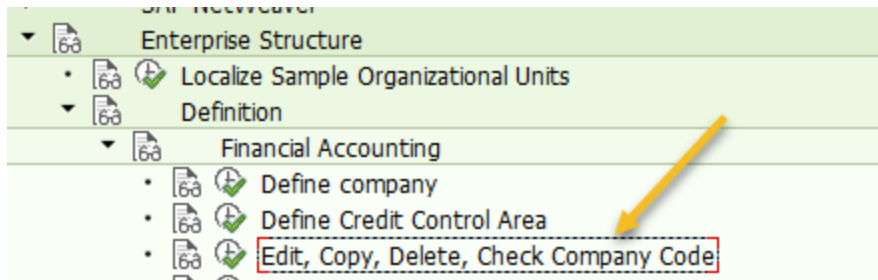
In this link, you can find a load of information for each solution separately and even a 30 days trial.

Just to summarize them, the methodology is SAP Activate and it has been provided for cloud and on premise and all other solution by detail.

Enterprise structure:

There is not much of changes in Enterprise structure. A systematic configuration has been provided in this document and the changes have been highlighted.

Define company code:



Here is the definition of company code presented by SAP itself.

The smallest organizational unit of Financial Accounting for which a complete self-contained set of accounts can be drawn up for purposes of external reporting.

Here you can see the information needed for defining new company code

A screenshot of the SAP 'New Entries: Details of Added Entries' form. The form has a green header with the title 'New Entries: Details of Added Entries'. Below the header, there are icons for a magnifying glass, a document, a green arrow, a red arrow, and a list icon. The form contains the following fields:

- Company Code: RL01 (highlighted with a red box)
- Company Name: RL01 Company code
- Additional data section (green background):
 - City: Tehran
 - Country: (empty)
 - Currency: IRR
 - Language: (empty)

(if you miss country in this step, you will get this error when you want to create FI document:

System error in routine FI_TAX_CHK_PRICING_DATA error code 13 function builder TAX2

Message no. FF769

Diagnosis

A serious program error has occurred.

System Response



The current processing step cannot be carried out.


Procedure

If the program error occurred



- In a standard SAP program, then create an OSS message
- In a program you wrote yourself, then correct the program.


Because TAX detention is done based on country.)





 Edit Address: RL01 







Name	
Title	Company
Name	
	

Search Terms	
Search term 1/2	

Street Address	
Street/House number	
Postal Code/City	
Country	ir 
Region	
	

PO Box Address	
PO Box	
Postal Code	
Company Postal Code	
	

Communication	
Language	EN English
Telephone	
Mobile Phone	
Fax	
E-Mail	
Standard Method	
<div>Other Communication...</div> <div>     </div>	



 Preview
 
 International Versions
 

It should be mentioned, that there is a different between company and company code.

Here is the definition of company presented by SAP:

The smallest organizational unit for which individual financial statements can be drawn up according to the relevant commercial law.

A company can consist of one or more company codes.

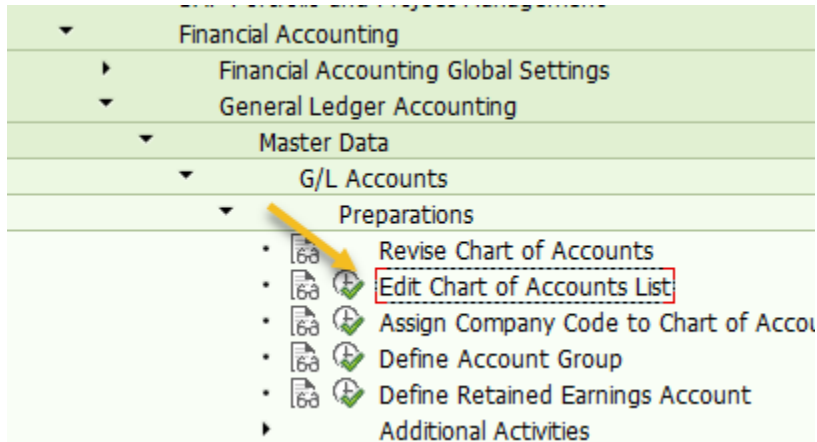
All company codes within a company must use the same transaction chart of accounts and the same fiscal year breakdown. The company code currencies can be different.

A company has one local currency in which its transaction figures are recorded.

In this step there is no different between ECC and S4HANA.

Chart of account

To create new chart of account you need to go to the below path:



In the chart of accounts list, you enter the charts of accounts that you want to use in your organization (at client level).

A screenshot of the SAP 'New Entries: Details of Added Entries' form. The form has a green header bar with the title 'New Entries: Details of Added Entries'. Below the header, there are icons for a pencil, a flag, a document, and a magnifying glass. The form contains several input fields and sections:

- Chart of Accts:** A text field containing 'r101'.
- Description:** A text field containing 'RL01 chart of account'.
- General specifications:** A section with two fields:
 - Maint. Language:** A dropdown menu showing 'EN English'.
 - Length of G/L Account Number:** A text field containing '4'.
- Consolidation:** A section with one field:
 - Group Chart of Accts:** A text field containing '1' and a magnifying glass icon.
- Status:** A section with one checkbox:
 - Blocked:** An unchecked checkbox.

Here in this step you determine the length of the account, it is 4 character in my example.

But there is a difference between here and ECC.

Display View "List of All Charts of Accounts": Details








Chart of Accts
 Description

General specifications

Maint.language
 Length of G/L account number

Integration

Controlling integration

Consolidation

Group Chart of Accts

Status

☐ Blocked

As you can see in ECC, you have the option for integration and it can be determined whether controlling integration is based on automatic creation of cost element or based on manual creation of cost elements.

If you choose manual creation you have to create your own cost elements manually in FS00 or KA01, however if you choose automatic creation based on the interval and number range mapping, system would create cost elements.

But why it has been removed in s4HANA?

The reason is that in ECC, GL master data and Cost element master data are two separate master data.

The tables are different and the integration is established via this configuration,

However, in SAP S4HANA and even in SAP simple finance, FI and CO are mashed together and no need for this step because GL and cost element is just one master data.

You can find more information further in detail, if you follow this document.

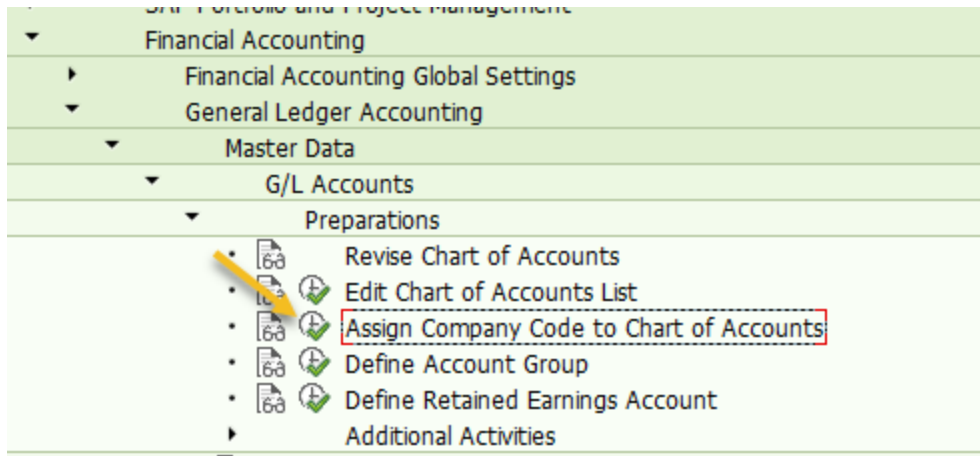
Now the question is: what about secondary cost element? (Worth to note that there are two different cost element: primary and secondary. Whatever you post to primary cost element affect directly the FI, but when you post in secondary cost element, it stays just in CO)

What we are going to do when there is no need to post in FI?

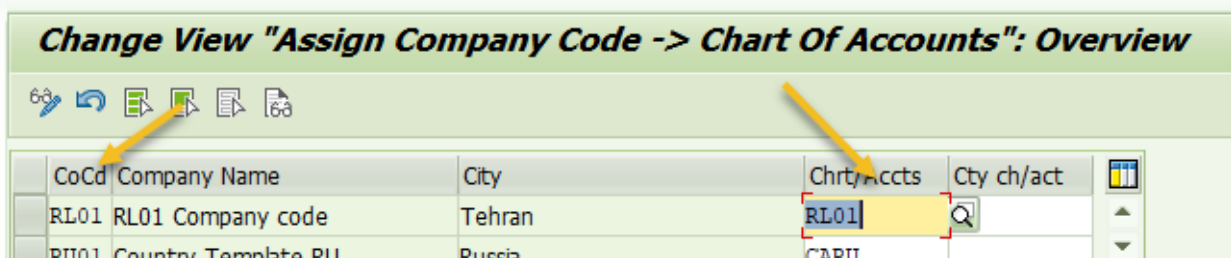
The answer is that even for secondary cost elements we need to define GL account.

You can understand it more, if you just look at GL Creation and make a comparison between ECC and S4HANA.

Assign company code to chart of account



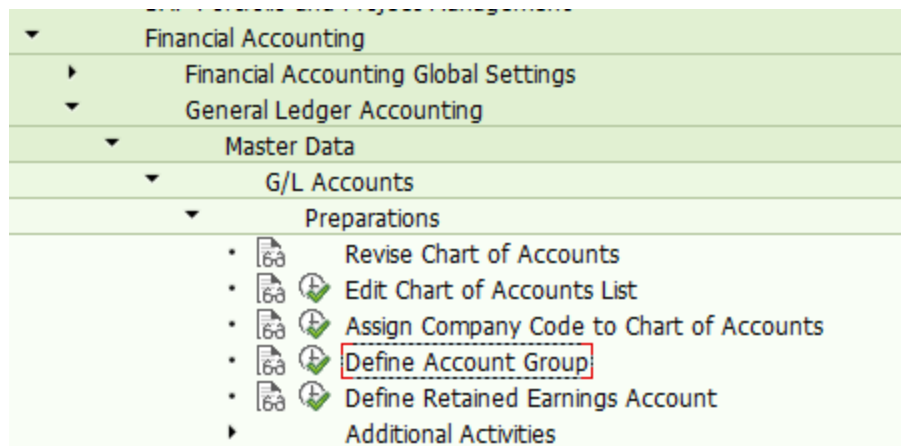
This step is the same in ECC and SAO S4HANA.



AS you can see, Company code is Key field, therefore you can not assign different operating COA to one company code, however you can assign different company code to one operating COA and this is the same concept.

It needs to be considered that there are three chart of accounts including group, country and operating. Here in this screen, you can assign your country chart of account and in last screen in chart of account definition; we had the option of creating group chart of account.

Define account group

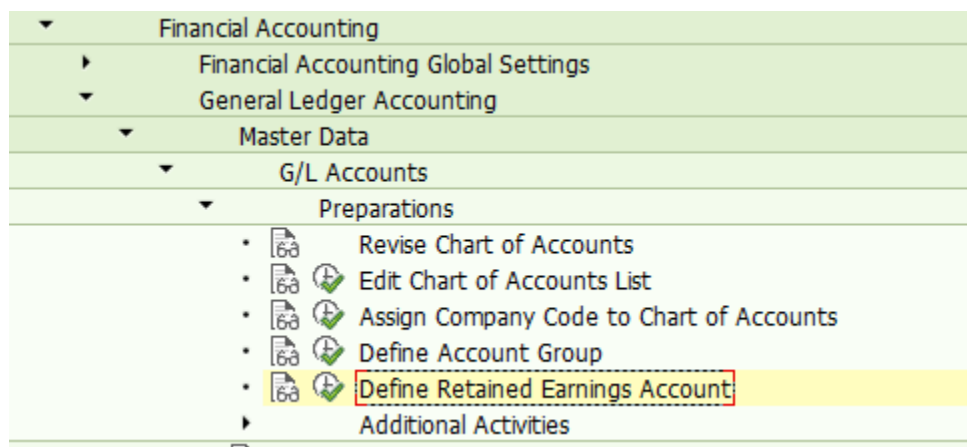


There is no difference between ECC and SAP S4HANA for this specific step.

Here you define your account group and you can find them all in FS00 (General ledger transaction) later on.

New Entries: Overview of Added Entries					
Field status					
Chrt/Accts	Acct Group	Name	From Acct	To Account	
RL01	01	balance sheet	1000	1999	
RL01	02	profit and loss	2000	2999	
RL01	03	secondary cost	3000	3999	

Define retained earning account



You assign a retained earnings account to each P&L account by specifying a P&L statement account type in the chart of accounts area of each P&L account.

At the end of a fiscal year, the system carries forward the balance of the P&L account to the retained earnings account. You can define one or more P&L statement account types per chart of accounts and assign them to retained earnings accounts.

If you just look at FS00 and one GL account, you can see there is a field for P&L statement account type and for each of these P&L statement account you can define retained earning account as well.

Display G/L Account Centrally

G/L Account: 1000
Company Code: RL01

Control in Chart of Accounts RL01 RL01 chart of account

G/L Account Type: P Primary Costs or Revenue
Account Group: ERG.

Detailed Control for P&L Statement Accounts

P&L statmt acct type: X

Description

Short Text: Payroll Exp.Dwn.sal
G/L Acct Long Text: Payroll Expense - Downtime Salaries

Consolidation Data in Chart of Accounts RL01 RL01 chart of account

Trading partner:
Group Account Number:

Configuration Accounting Maintain : Au

Posting Key

Chart of Accounts **RL01** RL01 chart of account

Transaction **BIL** Balance carried forward

Account assignment

P&L statm...	Account
X	

Define ledger and currency types:

Financial Accounting

Financial Accounting Global Settings

- Regenerate CDS Views and Field Mapping
- Ledgers
 - Fields
 - Ledger
 - Define Settings for Ledgers and Currency Types**
 - Deactivate a Ledger for a Company Code
 - Define Ledger Group

Change View "Ledger": Overview

New Entries

Dialog Structure

- Currency Types
- Global Currency Conversi
- Currency Conversion Set
- Ledger
 - Company Code Setti
 - Accounting Princ

Ledger	Ledger Name	Leading	Ledger Type	Extn. Ledger T...	Underlying Ledger	Man.Pstgs Not Allwd
0C	Management Accounting	<input type="checkbox"/>	A Extension Led...	P Predictio...	0L	<input checked="" type="checkbox"/>
0E	Commitment/Order Entry	<input type="checkbox"/>	A Extension Led...	P Predictio...	0C	<input checked="" type="checkbox"/>
0L	Ledger 0L	<input checked="" type="checkbox"/>	Standard Ledger			
2L	Ledger 2L	<input type="checkbox"/>	Standard Ledger			

As you can see, there are some other options, which were not available in ECC, for instance ledger type, manual posing not allowed and so on.

In ECC, this step is like below

Display View "Define Ledgers in General Ledger Accounting": Overview

Define Ledgers in General Ledger Accounting

Ld	Ledger Name	Totals Table	Leading	
0D		FAGLFLEXT	<input type="checkbox"/>	
0L	Transactn Figures: Legal View	FAGLFLEXT	<input checked="" type="checkbox"/>	
0M	Export ledger to 0G	FAGLFLEXT	<input type="checkbox"/>	
1D		FAGLFLEXT	<input type="checkbox"/>	
1L	Leading Ledger	FAGLFLEXT	<input type="checkbox"/>	
L1	Non-leading Ledger - IFRS	FAGLFLEXT	<input type="checkbox"/>	
Z1	Reporting Ledger	FAGLFLEXT	<input type="checkbox"/>	

ECC

It worth to mention that totals table in SAP S4HANA are just views.

Going back to the topic of ledger In SAP S4HANA, There are two ledger types including Standard ledger and extension ledger.

For leading ledger, you can only choose standard ledger and not extension ledger, however, for non leading ledger you have the option whether you want to chose standard or extension ledger

If you choose extension ledger, you can choose extension ledger type as well

Leading	Ledger Type	Extn. Ledger T...	Underlying Ledger	Man.Pstg
<input type="checkbox"/>	A Extension Led...	P Prediction...	0L	
<input type="checkbox"/>	A Extension Led...	P Prediction	0C	
<input checked="" type="checkbox"/>	Stan	P Prediction and Commitments		
<input type="checkbox"/>	Stan	S Simulation		
		Extension Ledger		

In simple finance, extension ledger type was not available, and then SAP came up with the simulation in 1610 and 1709 and added the simulation and prediction at last.

Remember when you are using extension ledger, it always contains an underlining ledger and it is just required for extension ledger and not standard ledger.

It has to be noted that whenever you create leading ledger it will be assigned to company code by default.

Also in SAP S4HANA you can deactivate a ledger for future fiscal years on a company code basis. For example if you enter 2019 in this field, it means that this ledger is only available until 2019 and for instance, it is not available for 2020.

Change View "Deactivation of a General Ledger": Overview

Analysis Information

Ledger: 0C

Deactivation of a General Ledger				
CoCd	Company Name	FV	From FYear	To FYear
1010	Company Code 1010	K4		
1100	MCI	K4		
1101	نقش اول کیفیت	Z1		
1710	Company Code 1710	K4		
EG01	Country Template Egypt	K4		

Now when we are talking about currencies in ECC, there are just 3 currency. First is company code and there are two parallel currencies which can be assigned to company code. Apart from that, there is controlling area currency.

Now in S4HANA you still have company code and controlling area currency, but you have the option to define up to 8 currencies as parallel currency (it was only 2 earlier)

It is not mandatory but it is an option provided by SAP.

Step by step configuration is as follow.

New Entries: Overview of Added Entries

Dialog Structure

- Currency Types
 - Global Currency Conversion
 - Currency Conversion Set
 - Ledger
 - Company Code Settings
 - Accounting Principles

Currency Types			
Currency Type	Description	Short Description	Settings Def. Level
R1	Company code		Company Code-Specific
R2	global		1 Global
			Company Code-Specific
			Company Code-Specific
			Company Code-Specific

(in the picture above, I defined my currency with wrong names which I corrected later, this comment added now when I get error relevant to this name, so do not make the same mistake)

New Entries: Overview of Added Entries

All Table Views

Dialog Structure

- Currency Types
- Global Currency Conversion Settings
- Currency Conversion Settings
- Ledger
 - Company Code Settings
 - Accounting Principles

Global Currency Conversion Settings

C.. Currency type	Currency	S.. Source currency type	Exch. Rate Type	Trans.Date Type	Real-Time Conversion
R2 r2		00 Document Currency	M Standard trans1...	2 Posting date	<input checked="" type="checkbox"/>
					<input checked="" type="checkbox"/>
					<input checked="" type="checkbox"/>
					<input checked="" type="checkbox"/>
					<input checked="" type="checkbox"/>
					<input checked="" type="checkbox"/>

Change View "Currency Conversion Settings for Company Codes": Overview

All Table Views

Dialog Structure

- Currency Types
- Global Currency Conversion Settings
- Currency Conversion Settings
- Ledger
 - Company Code Settings
 - Accounting Principles

Currency Conversion Settings for Company Codes

CoCd	Company Name	C.. Currency type	Currency	S.. Source currency type	Exch. Rate Type	Trans.Date Type	Real-Time Conversion
1010	Company Code 1010	30 Group Currency	USD	10 Company Code Currency	M Standard trans1...	3 Translation date	<input checked="" type="checkbox"/>
1710	Company Code 1710	30 Group Currency	USD	10 Company Code Currency			<input checked="" type="checkbox"/>
R101	Company code	R1 r1		00 Document Currency	M Standard trans1...	2 Posting date	<input checked="" type="checkbox"/>

Change View "Ledger": Overview

All Table Views

Dialog Structure

- Currency Types
- Global Currency Conversion Settings
- Currency Conversion Settings
- Ledger
 - Company Code Settings
 - Accounting Principles

Ledger

Ledger	Ledger Name	Leading	Ledger Type	Extn. Ledger T...	Underlying Ledger	Man.Pstgs Not A
0C	Management Accounting	<input type="checkbox"/>	A Extension Led...	P Predictio...	0L	<input checked="" type="checkbox"/>
0E	Commitment/Order Entry	<input type="checkbox"/>	A Extension Led...	P Predictio...	0C	<input checked="" type="checkbox"/>
0L	Ledger 0L	<input checked="" type="checkbox"/>	Standard Ledger			
2L	Ledger 2L	<input type="checkbox"/>	Standard Ledger			

Change View "Company Code Settings for the Ledger": Details

Dialog Structure: Currency Types, Global Currency Conversion, Currency Conversion Set, Ledger, Company Code Settings, Accounting Principles

Ledger: 0L, Ledger 0L
Company Code: RL01, RL01 Company code

Company Code Settings for the Ledger

Company Code Settings

Fiscal Year Variant: K4 Cal. Year, 4 Special Periods
Pstng period variant: RL01

Parallel Accounting Using G/L Accounts: ☐

Local Currency - 1st FI Currency

Currency Type: 10, Company Code Currency (IRR - Iranian Rial), Source Currency Type: 00, Document Currency

Global Currency

Currency Type: 10, Company Code Currency (IRR - Iranian Rial), Source Currency Type: 00, Document Currency

CO Object Currency

Currency Type: 70, Controlling Object Currency, Source Currency Type: 10, Company Code Currency (IRR - Iranian Rial)

Freely Defined Currency 1

Currency Type: Z1, Z1 (IRR - Iranian Rial), Source Currency Type: 00, Document Currency

Freely Defined Currency 2

Currency Type: ☐, Source Currency Type: ☐

Freely Defined Currency 3

Currency Type: 30, Group Currency (USD - US Dollar), Source Currency Type: 00, Document Currency

Local currency automatically comes from the configuration for your company code.

Two global currency type 10 and 70 also automatically set and you cannot set them here. If you complete your controlling area configuration, you will see these two fields are filled

(If you face an error, which said "currency code is not defined for currency type", check your setting for currency types and also SCC4! In addition, make sure you do not miss currency for the client you are working at)

Earlier in ECC we had three options; hard currency, group currency, index currency; but now in SAP S4HANA we can define our own currency types.

New Entries: Overview of Added Entries

Dialog Structure: Currency Types, Global Currency Conversion, Currency Conversion Set, Ledger, Company Code Settings, Accounting Principles

Ledger: 0L, Ledger 0L
Company Code: RL01

Accounting Principles for Ledger and Company Code

Accounting Principle	Name/Description of Accounting Principle
IFRS	International Financial Reporting Standards

And what does "parallel accounting using gl account" means?

If you are using SAP and classic gl accounting (not new gl accounting) and you want to use two accounting principle, you should create two different GL account for each accounting principle for your reporting purpose. that's "parallel accounting using gl account".

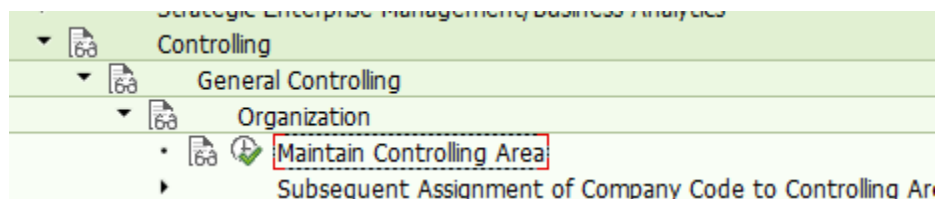
What is classic GL accounting? Classic GL accounting means only one ledger in system and it means "parallel accounting using gl account".

Suppose a customer who is using classic GL accounting, wants to migrate to S4HANA. In this case that customer has two options.

The first one is to migrate to new GL accounting first and then to S4HANA accounting.

The second one is to directly migrate to S4HANA without activating new GL accounting. The "parallel accounting using gl account" option is going to be used for this kind of situation and only one ledger would be considered for that and for any other accounting principle like IFRS or GAAP, they should define GL accounts and that means duplication.

Define controlling area

A screenshot of the SAP 'New Entries: Details of Added Entries' form. The form is divided into several sections: 'Controlling Area' (with a tree view on the left showing 'Basic data', 'Activate component', and 'Assignment of comp'), 'Assignment Control', 'Currency Setting', 'Other Settings', and 'Reconciliation Ledger'. The 'Controlling Area' field is set to 'RL01' with a yellow highlight and a button 'COArea = CCode'. The 'Name' field is 'rl01'. The 'Person Responsible' field is empty. The 'Assignment Control' section has a dropdown for 'CoCd->CO Area' set to '1 Controlling area same as company code'. The 'Currency Setting' section has 'Currency Type' set to '10' (highlighted in yellow), 'Currency' set to 'IRR', and 'Curr/Val. Prof.' set to an empty field. The 'Other Settings' section has 'Chart of Accts' set to 'RL01', 'Fiscal Year Variant' set to 'K4', and 'CCtr Std. Hierarchy' set to 'r101' (highlighted in yellow). There are checkboxes for 'Diff. CCode Currency' and 'Active' in the 'Currency Setting' section, and 'Hide Controlling Area in F4' in the 'Other Settings' section. The 'Reconciliation Ledger' section has a checkbox for 'Recon.Ledger Active'.

If you choose controlling area same as company code you will have only one option for currency type but if you choose cross company code the other options for currency type becomes available.

In this step nothing is different from ECC.

Person Responsible

Assignment Control

CoCd->CO Area

Currency Setting

Currency Type

Currency

Curr/Val. Prof.

Other Settings

Chart of Accts

Fiscal Year Variant

CCTR Std. Hierarchy

☐ Hide Controlling Area in F4

Restrict Value Range (1) 5 Entries found

Restrictions

CC Short Descript.

10	Company code currency
30	Group currency
40	Hard currency
50	Index-based currency
60	Global company currency

New Entries: Overview of Added Entries

Controlling Area

Basic data

- Activate component
- Assignment of comp

Assigned Company Codes

CoCd	Company Name
RL01	RL01 Company code
<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	

New Entries: Details of Added Entries

Controlling Area: RL01 rl01
Fiscal Year: 2018 to 9999

Activate Components

Cost Centers: **Component not active**

☐ AA: Activity Type

Order Management: Component not active

Commit. Management: Component not active

Acty-Based Costing: Component Not Active

ProfitAnalysis: ☐ costing-based ☐ account-based

☐ Projects

☐ Sales Orders ☐ W. Commit. Mgt

☐ Cost Objects

☐ Real Estate Mgmt

Other Indicators

☒ All Currencies

☐ Variances

Alternative Authorization Hierarchies for Cost Centers

Alternat. Hier.1:

Alternat. Hier. 2:

Maintain number ranges for controlling document

Strategic Enterprise Management/Business Analytics

Controlling

General Controlling

Organization

- Maintain Controlling Area
 - Subsequent Assignment of Company Code to Controlling Area
- Maintain Number Ranges for Controlling Documents
- Maintain Versions
- Define Ledger for CO Version

Edit Intervals: CO Document, Object RK_BELEG



Number Range Object RK_BELEG Number Ranges for CO Document
CO Area RL01

Intervals

Intervals

NR Status

Edit Intervals: CO Document, Object RK_BELEG



Number Range Object RK_BELEG Number Ranges for CO Document
CO Area RL01

Intervals

Intervals

NR Status

Copy: ...

From 0001

To RL01

✓ ✗

Edit Intervals: CO Document, Object RK_BELEG, Subobject RL01					
N..	From No.	To Number	NR Status	Ext	
01	0100000000	0199999999	0	<input type="checkbox"/>	
02	0200000000	0299999999	0	<input type="checkbox"/>	
03	0300000000	0399999999	0	<input type="checkbox"/>	
04	0400000000	0499999999	0	<input type="checkbox"/>	

Maintain versions

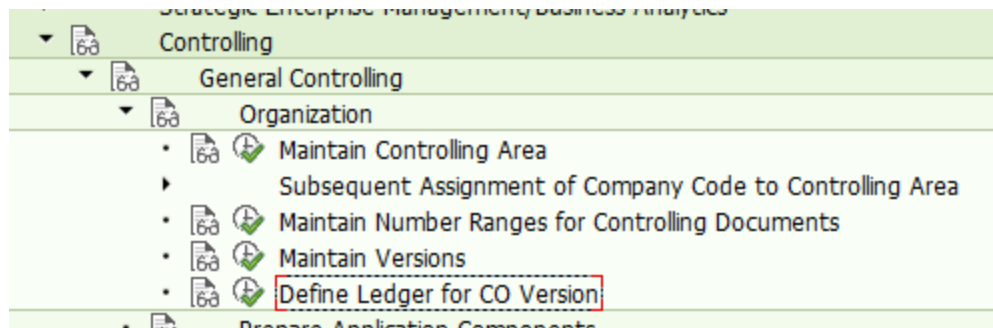
Controlling
General Controlling
Organization
• Maintain Controlling Area
• Subsequent Assignment of Company Code to Controlling
• Maintain Number Ranges for Controlling Documents
• Maintain Versions
• Define Ledger for CO Version

General Version Definition						
New Entries						
Dialog Structure		General Version Overview				
<ul style="list-style-type: none"> General Version Definition <ul style="list-style-type: none"> Settings in Operating Settings for Profit Ce Controlling Area Sett <ul style="list-style-type: none"> Settings for Each Delta Version: Bu Settings for Progress 		Version	Name	Plan	Actual	WIP/RA
		0	Plan/actual version	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		1	Plan Version: Change 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		2	Plan Version: Change 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		3	Actual Costs vs. Target Costs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		100	PS: Progress Version	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		110	PS: Forecast Version	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

There is nothing different here and there is no need to change any thing.

Define ledger for CO versions

This step is completely new and you can not find it in ECC.



In SAP ECC, it is not possible to post the value from non-leading ledger from FI to CO and CO only taking the values from leading ledgers.

It means that this step was default and leading ledger and version zero is already set, however in SAP S4HANA you can define your own setting.

Suppose you want the values from ledger 01 transfer to version 0, and the values from ledger z1 transfer to version 9. Here you can set this.

01 to 0

Z to 9

Change View "Ledger From Which CO Reads Actual Data": Overview					
New Entries					
Ledger From Which CO Reads Actual Data					
CO Area	Version	Ledger (Compat.)	Controlling Area Name	Version Description	Ledger Name
RL01	0	01		Plan/Act - Version	Ledger 0L
RU01	0	0L	Kostenrechnungskreis RU01	Plan/Actual Version	Ledger 0L
SE01	0	0L	Kostenrechnungskreis SE01	Plan/Actual Version	Ledger 0L
SG01	0	0L	Kostenrechnungskreis 0001	Plan/Actual Version	Ledger 0L

Define GL

FS00 in SAP S4HANA

The screenshot displays the 'Display G/L Account Centrally' interface in SAP S4HANA. The title bar is green with the text 'Display G/L Account Centrally'. Below the title bar is a toolbar with icons for document, folder, undo, redo, left arrow, right arrow, print, and a magnifying glass. To the right of the toolbar are the labels 'Edit financial statement version', 'Edit set', and 'Time-Dependent Attribution'. The main area has a light green background. At the top, there are two input fields: 'G/L Account' with the value '41000000' and 'Revenue Domestic - Product'. Below them are 'Company Code' with the value '1710' and 'Company Code 1710'. To the right of these are icons for a key, a pencil, a document, and a button labeled 'With Template'. Below the input fields is a tabbed interface with five tabs: 'Type/Description', 'Control Data', 'Create/bank/interest', 'Key word/translation', and 'I...'. The 'Type/Description' tab is selected. Below the tabs is a table with four rows: 'Control in Chart of Accounts YCOA Standard Chart of Accounts', 'G/L Account Type', 'Account Group', and 'Detailed Control for P&L Statement'. The 'G/L Account Type' row has a dropdown menu open, showing four options: 'P Primary Costs or Revenue' (highlighted in yellow), 'N Nonoperating Expense or Income', 'S Secondary Costs', and 'X Balance Sheet Account'. The 'Account Group' row has a dropdown menu open, showing the same four options. The 'Detailed Control for P&L Statement' row has a dropdown menu open, showing the same four options. The 'Functional Area' row is empty.

As you can see, now primary cost elements and secondary cost elements are part of GL account type,

Moreover, the balance sheet account, non-operating costs or revenue and primary costs or revenues can be determined via this account type, therefore there is no need to these options like in ECC which pictured below.

(It should be considered that secondary costs in S4HANA also, have nothing to do with FI)

Display G/L Account Centrally

G/L Account: 62199 Adjustment account for bank loans

Company Code: 0001 SAP A.G.

With Template

Type/description Control Data Create/bank/interest Key Word/Translation I..

Control in chart of accounts

Account Group: GL General G/L accounts

☐ P&L statement acct

☒ Balance Sheet Account

ECC

In ECC transaction "KA01" was used to define cost element, but now in S4HANA if you execute this transaction, it takes you to FS00.

It should be noted that you have to create GL account for your secondary costs as well.

If you are creating a GL account, and you defined group chart of account for consolidation purpose, there would be a group account number in FS00 screen and that is mandatory.

Change View "List of All Charts of Accounts": Details

New Entries

Chart of Accts: RL01

Description: RL01 chart of account

General specifications

Maint. Language: EN English

Length of G/L Account Number: 4

Consolidation

Group Chart of Accts: RL03

Status

☐ Blocked

fs

In SAP S4HANA, there is no line item management field.

In ECC if you want to execute FBL3N for a GL account, you should choose line item management field, however the question is that why we do not choose it for all GL accounts.

It is because of the performance issue we had in ECC (if we select this checkbox, it means all line items will be stored in tables and that consumes memory). In ECC it was not recommended to select the checkbox for AR and AP accounts, because we could get the report vendor wise and customer wise.

Now in SAP S4HANA we do not have that issue, so this checkbox is selected by default for all accounts.

If you notice you can see there is one other field in SAP S4HANA which was not available in ECC.

That is clearing specific to ledger group.

You must know that open item management is for leading ledgers, and if you want to specify that open item management is selected for non-leading ledger you should select this check box.

Now suppose you want to define expense account. In this case your account group could be primary or secondary cost element or non-operating cost.

For the primary and secondary, the "cost element category" field will be displayed and you should fill it.

However for non-operative cost elements, it will not be displayed.

Display G/L Account Centrally

G/L Account

Company Code RL01 Company code

Tolerance Group

Account Management in Company Code

Open Item Management ☐
 Clearing Specific to Ledger Groups ☐
 Sort key
 Authorization Group
 Clerk Abbreviation

Account Settings in Controlling Area RL01 rl01

CElem category Primary costs/cost-reducing revenues
 Record Quantity ☐
 Internal UoM

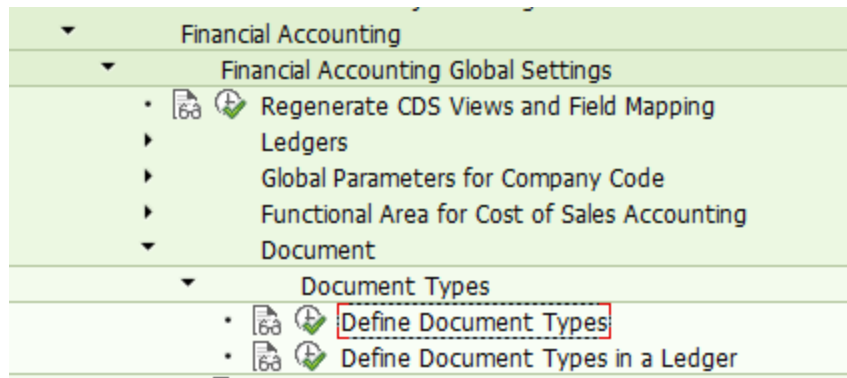
Joint venture data in company code

Recovery Indicator ☐

As you can see, now in S4HANA, 'validity from' and 'validity to' are not available.

In S4HANA, OKB9 is available but you can no longer set default account assignment while defining cost elements.

Define document type



Change View "Document Types": Details

New Entries

Document type AA Asset Posting

Properties

Number range 01 Number range information

Reverse DocumentType ☐

Authorization Group

Account types allowed

☒ Assets
☒ Customer
☒ Vendor
☒ Material
☒ G/L Account
☐ Secondary Costs

Control data

☐ Net document type
☐ Cust/vend Check
☒ Negative Postings Permitted
☐ Inter-Company
☐ Enter trading partner

Special usage

☐ BI Only

Default values

Exchange Rate Type for FC Documents

Required during document entry

☐ Reference Number
☐ Document Header Text

Joint venture

Debit Rec.Indic ☐
 Rec.Ind. Credit ☐

As you can see secondary costs, checkbox is now added in account types allowed which was not available in ECC.

Change View "Document Types": Details

New Entries

Document type Asset Posting

Properties

Number range Number range information

Reverse DocumentType

Authorization Group

Account types allowed

☒ Assets
☒ Customer
☒ Vendor
☒ Material
☒ G/L Account
☐ Secondary Costs

Control data

☐ Net document type
☐ Cust/vend Check
☒ Negative Postings Permitted
☐ Inter-Company
☐ Enter trading partner

Special usage

☐ BI Only

Default values

Exchange Rate Type for FC Documents

Required during document entry

☐ Reference Number
☐ Document Header Text







Joint venture

Debit Rec.Indic
 Rec.Ind. Credit

Also there is a checkbox for BI only. It means you can define a specific document type only for BI.(BI is embedded in s\$HANA)

In addition, you can find a document type named 'CO'.

Change View "Document Types": Details

 New Entries
 





Document type Secondary Cost

Properties

Number range	23	Number range information
Reverse DocumentType	CO	
Authorization Group		

Account types allowed

- ☐ Assets
- ☐ Customer
- ☐ Vendor
- ☐ Material
- ☒ G/L Account
- ☒ Secondary Costs

Special usage

- ☐ BI Only

Required during document entry

- ☐ Reference Number
- ☐ Document Header Text

Control data

- ☐ Net document type
- ☐ Cust/vend Check
- ☒ Negative Postings Permitted
- ☐ Inter-Company
- ☐ Enter trading partner

Default values

Exchange Rate Type for FC Documents

Joint venture

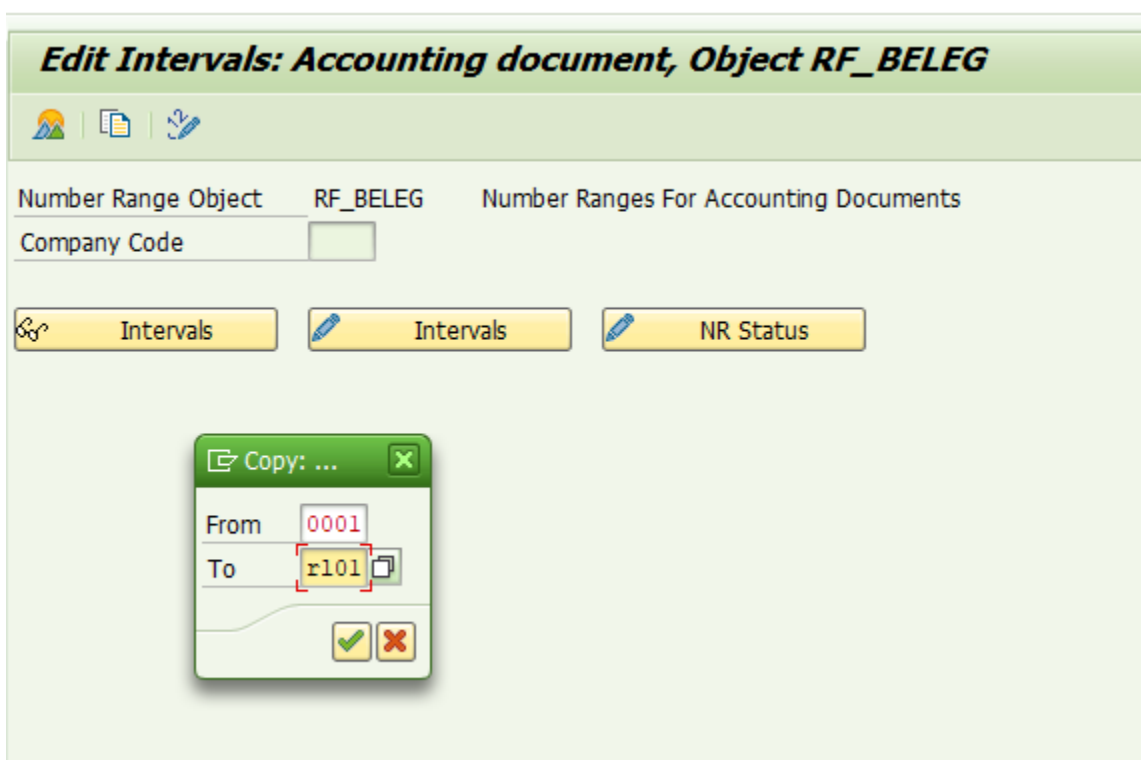
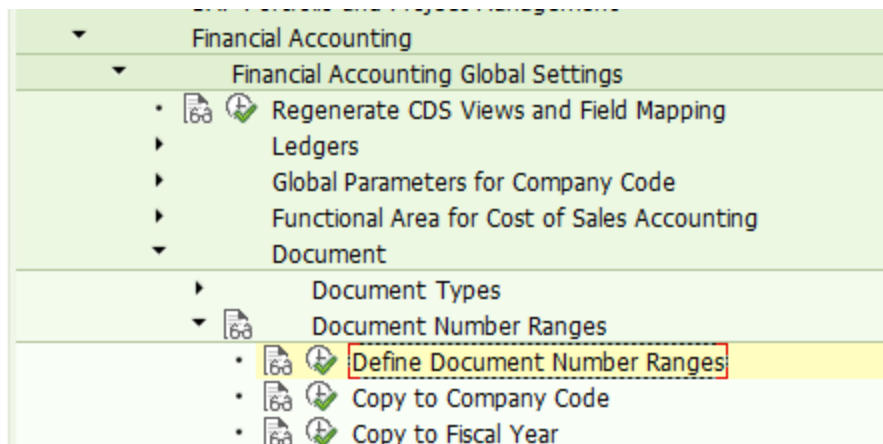
Debit Rec.Indic

Debit Cred.Indic

This document type will be used for CO posting.

Define document number ranges

There is nothing different in this step.



Define tolerance group

- Financial Accounting
 - Financial Accounting Global Settings
 - Regenerate CDS Views and Field Mapping
 - Ledgers
 - Global Parameters for Company Code
 - Functional Area for Cost of Sales Accounting
 - ▾ Document
 - Document Types
 - Document Number Ranges
 - Define Posting Keys
 - Screen Variants for Document Entry
 - Rules for Changing Documents
 - Bar Code Entry
 - ▾ Tolerance Groups
 - Define Tolerance Groups for Employees
 - Assign User/Tolerance Groups

Change View "FI Tolerance Groups For Users": Details of Selected Set

Group
 Company code AP A.G. Walldorf
 Currency

Upper limits for posting procedures

Amount per document	1,000,000,000.00
Amount per open item account item	1,000,000,000.00
Cash discount per line item	5.000 %

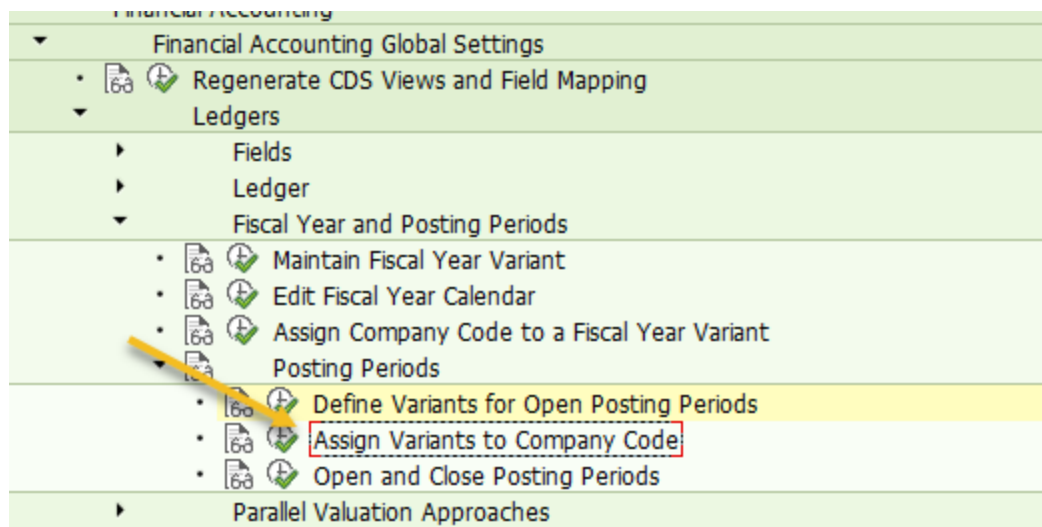
Permitted payment differences

	Amount	Percent	Cash discnt adj.to
Revenue	100.00	10.0 %	10.00
Expense	100.00	10.0 %	10.00

Fiscal Year and Posting Periods

▶	SAP Portfolio and Project Management
▼	Financial Accounting
▼	Financial Accounting Global Settings
•	📄 ⚙️ Regenerate CDS Views and Field Mapping
▼	Ledgers
▶	Fields
▶	Ledger
▼	Fiscal Year and Posting Periods
•	📄 ⚙️ Maintain Fiscal Year Variant
•	📄 ⚙️ Edit Fiscal Year Calendar
•	📄 ⚙️ Assign Company Code to a Fiscal Year Variant
▼	📄 ⚙️ Posting Periods
•	📄 ⚙️ Define Variants for Open Posting Periods
•	📄 ⚙️ Assign Variants to Company Code
•	📄 ⚙️ Open and Close Posting Periods
▶	Parallel Valuation Approaches

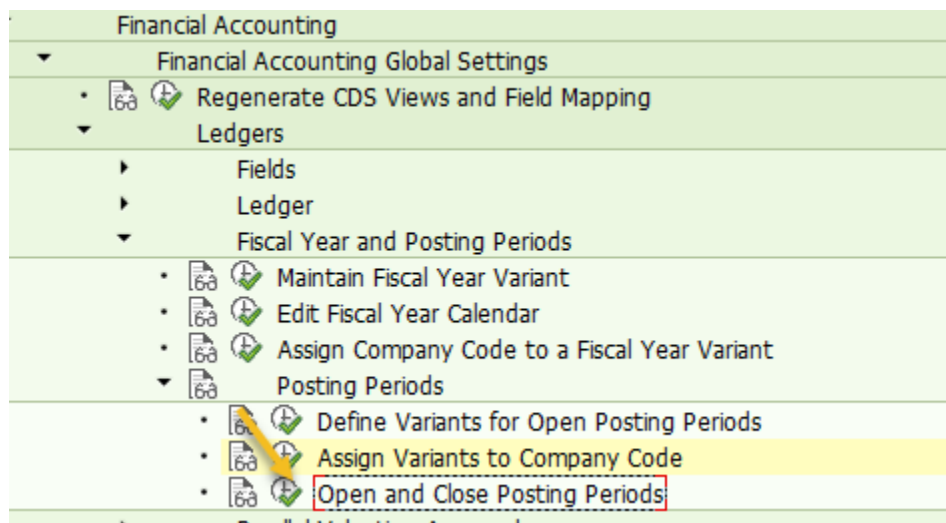
Change View "Posting Periods: Define Variants": Overview	
📄 ✎ New Entries 📄 🗑 🔄 📄 📄 📄 📄	
Variant	Name
0001	Variant 0001
0002	Variant 0002
1010	Variant 1010
1101	Variant for Nak
1710	Variant 1710
CH01	CH Contract Handling
MCA	Variant 0001
RL01	









Change View "Assign Comp.Code -> Posting Period Variants":

60 60 60 60 60 60

CoCd	Company Name	City	Variant
RL01	RL01 Company code	Tehran	RL01
RU01	Country Template RU	Russia	0001
SE01	Country Template SE	Sweden	0001
SG01	SAP Asia	Singapore	0001
SK01	Country Template SK	Slovak Republic	0001
SLE0	Musterbank		0001



Change View "Posting Periods: Specify Time Intervals": Overview

68 New Entries       

Pstng period variant

Posting Periods: Specify Time Intervals

	A From Acct	To Account	From Per.1	Year	To Per. 1	Year	AuGr	From Per.2	Year	To Per. 2	Year	From Per.3	Year	To Per. 3	Year
+			1	2018	12	2023									


Define cost center

Transaction:KS01

Create Cost Center: Initial Screen

Master Data

Controlling Area

Cost Center 

Valid From to

Reference

Cost Center	<input type="text"/>
Controlling Area	<input type="text"/>



Change Cost Center: Basic Screen



Drilldown

Cost Center test
Controlling Area rl01
Valid From to

Basic data

Control

Templates

Address

Communication

History

Names

Name

test

Description

test



Basic data

User Responsible

Person Responsible

Rosa

Department

Cost Center Category

G

Logistics

Hierarchy area

RL01

Business Area

Functional Area

Currency

IRR

Profit Center

Now try to post first document

Transaction: F-02

Posting key: 40 expense account

Posting key: 50 bank account

First Error during posting document:

Performance Assistant

Correct the Customizing settings for ledgers for the universal journal

Message no. FINS_ACDOC_CUST201

Diagnosis

There are inconsistencies in the Customizing settings for ledgers for the universal journal.

System Response

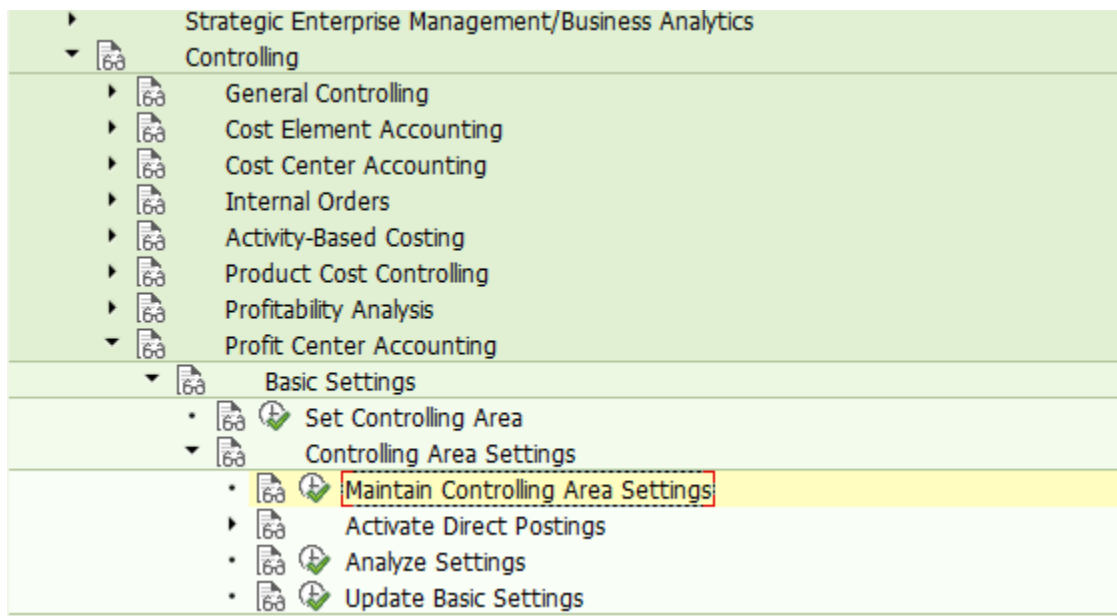
To prevent database mismatches, postings are not allowed as long as the customizing settings are not consistent.

Procedure

Check the Customizing settings using transaction [FINS_CUST_CONS_CHK](#).

If this message was displayed during a posting activity, use transaction [FINS_CUST_CONS_CHK_P](#) to check the specific Customizing settings for the relevant company codes and ledgers.

How to solve it:



As you can see, controlling area is not defined for the fiscal year we are trying to post our document.

Change View "EC-PCA: Controlling Area Settings": Overview



Controlling Area RL01 rl01

Controlling Area Settings

Dummy Profit Center	<input type="text"/>
Standard Hierarchy	<input type="text"/>
Elim. of Int. Business Vol.	<input type="checkbox"/>
Pctr Local Currency Type	<input checked="" type="checkbox"/>
Profit Center Local Currency	<input type="text"/>
Store Transaction Currency	<input type="checkbox"/>
Valuation View	<input type="text" value="0 Legal Valuation"/>
ALE Distribution Method	<input type="text" value="No distribution to other systems"/>

Control Indicators

	From Yr	Active Indicator
	2018	<input type="checkbox"/>

Position...

Entry 1 of 1

Change View "EC-PCA: Controlling Area Settings": Overview

Controlling Area rl01

Controlling Area Settings

Dummy Profit Center	<input type="text" value=""/>	
Standard Hierarchy	<input type="text" value="RL01"/>	rl01
Elim. of Int. Business Vol.	<input type="checkbox"/>	
Pctr Local Currency Type	<input type="text" value="20"/>	Controlling area currency
Profit Center Local Currency	<input type="text" value="IRR"/>	
Store Transaction Currency	<input type="checkbox"/>	
Valuation View	<input type="text" value="0 Legal Valuation"/>	
ALE Distribution Method	<input type="text" value="No distribution to other systems"/>	

Control Indicators

From Yr	Active Indicator
2018	<input checked="" type="checkbox"/>

Second error was this one:

Default values for postings in Controlling not defined for CoCode RL01

Message no. FINS_ACD0C_CUST326

Diagnosis

Company code RL01 is assigned to controlling area RL01. In Controlling, however, the default values for postings in are not set.

System Response

You can't post entries in Controlling.

Procedure

In Customizing, set the default values for postings in Controlling.

In order to do this, you can use the following options:

- **Assign a document type mapping variant** to company code RL01 ; or
- **Select the Default Variant checkbox** for a document type mapping variant.

How to solve it:

Change View "Default Values for Postings in Controlling": Overview

 New Entries      

Default Values for Postings in Controlling

Company Code	Valid From	Default Ledger Group	DocType Mapping Var.
RL01	01/01/1900		000000001
RU01	01/01/1900		0000000001
SE01	01/01/1900		0000000001
SG01	01/01/1900		0000000001
SK01	01/01/1900		0000000001
SLE0	01/01/1900		0000000001
TH01	01/01/1900		0000000001
TR01	01/01/1900		0000000001
TW01	01/01/1900		0000000001
UA01	01/01/1900		0000000001
US01	01/01/1900		0000000001
VE01	01/01/1900		0000000001
ZA01	01/01/1900		0000000001

The Error below, shown that you have not yet defined document type mapping variant for your company code.

Performance Assistant



No valid combination of company code and ledger to check

Message no. FINS_ACD0C_CUST363

Diagnosis

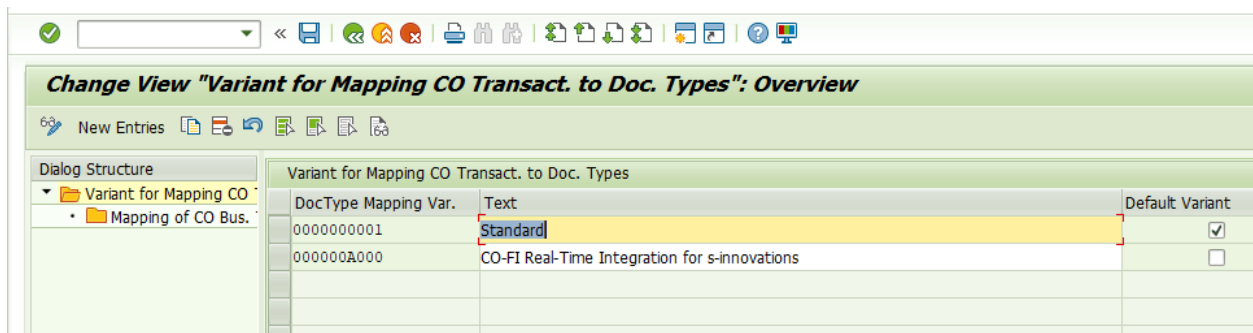
There is no customizing for the combination of supplied company code and ledgers.

System Response

No customizing is checked.

Procedure

Provide a valid company code and a selection of ledgers to which the company code is assigned in the ledger customizing.



At the end, system might ask you to define exchange rate between the currencies that you have defined for your ledger.

Enter G/L Account Document: Display Overview

Display Currency
 Park document
 Account Model
 G/L item fast entry
 Taxes

Document Date: 11/14/2020 Type: SA Company Code: RL01
 Posting Date: 11/14/2020 Period: 11 Currency: IRR

Performance Assistant

Enter rate IRR / USD rate type M for 11/14/2020 in the system settings

Message no. SG105

Diagnosis

For the conversion of an amount into another currency, an entry is missing in the currency conversion table.

Procedure

Add the missing entry in the currency conversion table.

Execute function

You can then continue to process the commercial transaction.

To solve this issue execute transaction : OB08, and then enter the exchange rate you want.

After all this, the document posted.

Document List

	CoCd	DocumentNo	Year	Type	Doc..Date	Posting Date
	RL01	100000000	2020	SA	11/14/2020	11/14/2020

Display Document: Data Entry View

Display Currency General Ledger View

Data Entry View

Document Number 100000000 Company Code RL01 Fiscal Year 2020
 Document Date 11/14/2020 Posting Date 11/14/2020 Period 11
 Reference Cross-Comp.No.
 Currency IRR Texts Exist ☐ Ledger Group

Co... Itm PK S Account Description Amount Curr. Tx

RL01	1	40	2000	Expense account	1,000.00	IRR	
	2	50	1000	Bank account	1,000.00-	IRR	

As you can see, the currency type, which I defined and assigned it to my company code, is now added to my 'display currency' pop up.

Display Document: General Ledger View

Display Currency Entry View Other Ledger

Data Entry View

Document Number 100000000 Company Code RL01 Fiscal Year 2020
 Document Date 11/14/2020 Posting Date 11/14/2020 Period 11
 Reference Cross-Comp.No.
 Currency IRR Texts Exist ☐ Ledger Group

Ledger 0L

FiscalYear 2020 Period 11

Co... Itm L.Item PK S Account Description

RL01	1	000001	40	2000	Expense account
	2	000002	50	1000	Bank account

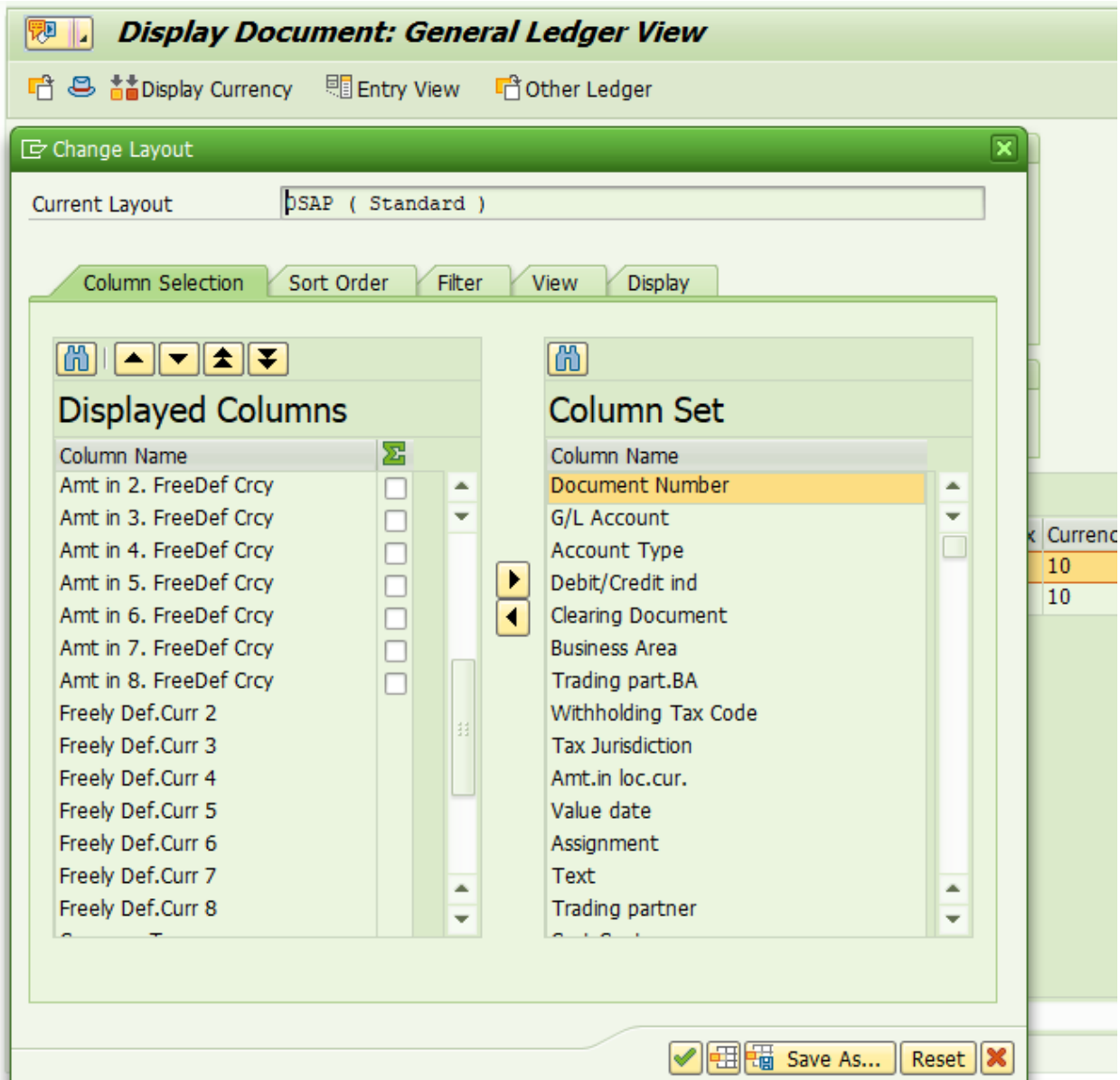
Display Currency for Doc...

- ☒ Document Currency
- ☐ Local Currency
- ☐ Group Currency
- ☐ z1

10 Z1
10 Z1

This option was not available in ECC.

You can add any of these values to your layout.



As you can see, I can see my document in any currency I defined for my ledger. Here is group currency:

Data Entry View

Document Number	100000000	Company Code	RL01	Fiscal Year	2020
Document Date	11/14/2020	Posting Date	11/14/2020	Period	11
Reference		Cross-Comp.No.			
Currency	IRR	Texts Exist	<input type="checkbox"/>	Ledger Group	

Ledger 0L

FiscalYear	2020	Period	11
------------	------	--------	----

Co. Item L.item PK S Account Description Amount Curr. Tx Currency Type Currency Type Amt in 2. Fr

RL01	1	000001	40	2000	Expense account	20.00	USD	10	Z1	
	2	000002	50	1000	Bank account	20.00-	USD	10	Z1	

As you can see in the picture above, ledger group filed is empty. To see other ledger group, if you are using new general ledger accounting the general ledger view option is available for you.

Display Document: General Ledger View

Display Currency Entry View Other Ledger

Data Entry View

Document Number	100000001	Company Code	RL01	Fiscal Year	2020
Document Date	11/14/2020	Posting Date	11/14/2020	Period	11
Reference		Cross-Comp.No.			
Currency	IRR	Texts Exist	<input type="checkbox"/>	Ledger Group	

Ledger 0L

FiscalYear	2020	Period	11
------------	------	--------	----

Co. Item L.item PK S Account Description Amount Curr. Tx DocNoLD

RL01	1	000001	40	2000	Expense account	1,000.00	IRR		
	2	000002	50	1000	Bank account	1,000.00-	IRR		

Display Document: General Ledger View

Display Currency Entry View Other Ledger

Data Entry View

Document Number: 100000001 Company Code: RL01 Fiscal Year: 2020
 Document Date: 11/14/2020 Posting Date: 11/14/2020 Period: 11
 Reference: Cross-Comp.No.: Texts Exist: ☐ Ledger Group: Currency: IRR

Ledger 0C

Fiscal Year: 2020 Period: 11

Co...	Item	L.item	PK	S	Account	Description	Amount	Curr.	Tx	DocNoLD
RL01	1	000001	40		2000	Expense account	1,000.00	IRR		
	2	000002	50		1000	Bank account	1,000.00-	IRR		

Now let see what are the tables, which are affected

Here is our document in BKPF in SAP S4HANA: (BKPF is converted to a view in SAP S4HANA)

BKPF: Display of Entries Found

Search in Table: BKPF Accounting Document Header
 Number of hits: 1
 Runtime: 0 Maximum no. of hits: 500

CoCode	DocumentNo	Year	Type	Doc..Date	Posting Date	Period	Entered On	Entered at	Changed	Last Updt
RL01	1000000000	2020	SA	11/14/2020	11/14/2020	11	11/14/2020	14:32:32		

Below you can see BSEG for the document posted: (BSEG is converted to a view in SAP S4HANA)

BSEG: Display of Entries Found

Search in Table: BSEG Accounting Document Segment
 Number of hits: 2
 Runtime: 0 Maximum no. of hits: 500

CoCode	DocumentNo	Year	Item	LID	Clearing	ClgEntDate	Clng doc.	Key	AccTy	SG	SpG/L	Trg.Sp.G/L	D/C	BusA	TPBA	Tx	WT	Amount LC	Amount	Org.Rdctn	G/L Amount
RL01	100000000	2020	1					40	S				S					1,000.00	1,000.00	0.00	1,000.00
RL01	100000000	2020	2					50	S				H					1,000.00	1,000.00	0.00	1,000.00

Now let's see Table: ACDOCA

ACDOCA: Display of Entries Found

Search in Table: ACDOCA Universal Journal Entry Line Items
 Number of hits: 2
 Runtime: 0 Maximum no. of hits: 500

Ld	CoCode	Year	DocumentNo	LnItem	GLFY	DocNoLD	R	TTy	TrTy	BTran	BusTranTyp	Ref. proc.	Log.System	Ref.org.un	Ref. doc.	R
0L	RL01	2020	100000000	000001	2020		0		RFBU	COIN	RFBU	BKPF		RL012020	100000000	
0L	RL01	2020	100000000	000002	2020		0		RFBU		RFBU	BKPF		RL012020	100000000	

As you can see, there are only two records.

In fact, ACDOCA is a combination of FAGLFLEXA and BKPF. But you might ask why we have just two record, while FAGLFLEXA has 4 records (2 records for ledger 0L and 2 records for ledger 0c)

The answer is the ledger type.

Change View "Ledger": Overview

New Entries All Table Views

Ledger	Ledger Name	Leading	Ledger Type	Extn. Ledger T...	Underlying Ledger	Man.Pstgs Not Allwd
0C	Management Accounting	<input type="checkbox"/>	A Extension Led...	P Predictio...	0L	<input checked="" type="checkbox"/>
0E	Commitment/Order Entry	<input type="checkbox"/>	A Extension Led...	P Predictio...	0C	<input checked="" type="checkbox"/>
0L	Ledger 0L	<input checked="" type="checkbox"/>	Standard Ledger			
2L	Ledger 2L	<input type="checkbox"/>	Standard Ledger			

As you can see, the ledger type for the ledger 0c is Extension. So ACDOCA does not save the records for this type, because it is exactly the copy of the first one, therefore there is no need to store this kind of data.

Now suppose that it is not extension ledger.

Fortunately, you can change this type and then post another document.

Here is another FI document.

Document List						
CoCd	DocumentNo	Year	Type	Doc..Date	Posting Date	
RL01	100000000	2020	SA	11/14/2020	11/14/2020	
	100000001	2020	SA	11/14/2020	11/14/2020	

And here is ACDOCA

ACDOCA: Display of Entries Found

Search in Table

ACDOCA

Universal Journal Entry Line Items

Number of hits

6

Runtime

0

Maximum no. of hits

500

As you can see, there are four other records for this new document, including two records for ledger:OL

And 2 records for ledger:OC.

Here are FAGLFLEX and FAGLFLEXA:

FAGLFLEXA: Display of Entries Found



Search in Table General Ledger: Actual Line Items
 Proxy Object Compatibility view for FAGLFLEXA
 Number of hits
 Runtime Maximum no. of hits

	Year	Document...	Ld	CoCode	LnItm	Tr.	TTy	Crcy	Unit	Ref. pro...	R	Ver	LogSystem	Account	Cost Elem.	Cost
	2020	100000001	OC	RL01	000001	RFBU		IRR		BKPF	0	1		2000		1
	2020		OC	RL01	000002	RFBU		IRR		BKPF	0	1		1000		
	2020		OL	RL01	000001	RFBU		IRR		BKPF	0	1		2000	2000	1
	2020		OL	RL01	000002	RFBU		IRR		BKPF	0	1		1000		
	2020	100000000	OL	RL01	000001	RFBU		IRR		BKPF	0	1		2000	2000	1
	2020		OL	RL01	000002	RFBU		IRR		BKPF	0	1		1000		

FAGLFLEXT: Display of Entries Found



Search in Table Generated Table for View
 Number of hits
 Runtime Maximum no. of hits

	Year	Object No.	Object No.	Object No.	Object No.	Object No.	Object No.	Object No.	Object No.	Object No.	D/C	Per.	Tr.	TTy	Crcy	Unit	Ref. proc.	Ld	R	Ver	LogSystem	Account	Cost Elem.	Co
	2020	0	0	0	0	0	0	0	0	0	0	H	16	RFBU	IRR		BKPF	OC	0	1		1000		RL
	2020	0	0	0	0	0	0	0	0	0	0	H	16	RFBU	IRR		BKPF	OL	0	1		1000		RL
	2020	0	0	0	0	0	0	0	0	0	0	S	16	RFBU	IRR		BKPF	OC	0	1		2000		RL
	2020	0	0	0	0	0	0	0	0	0	0	S	16	RFBU	IRR		BKPF	OL	0	1		2000	2000	RL

Cost element table is still available:

General Table Display

Background All Entries

Table Cost Elements (Data Dependent on Chart of Accounts)
 Text table ☐ No texts
 Layout
 Maximum no. of hits ☐ Maintain entries

Selection Criteria						
Fld name	O.	Fr.Value	To value	More	Output	Technical name
Client						MANDT
Chart of Accts		RL01			<input checked="" type="checkbox"/>	KTOPL
Cost Element					<input checked="" type="checkbox"/>	KSTAR
Entered On					<input checked="" type="checkbox"/>	ERSDA
Created By					<input checked="" type="checkbox"/>	USNAM
Tax Relat					<input checked="" type="checkbox"/>	STFKZ

CSKA: Display of Entries Found

Search in Table Cost Elements (Data Dependent on Chart of Accounts)

Number of hits

Runtime Maximum no. of hits

ChAc	Cost Elem.	Entered On	Entered By	TxRel	AP	Cost Elem.	Func. Area	Name	Description	Short Text
RL01	2000	11/14/2020	RLALI			2000		Expense account	Expense account	EXPENSE ACCOUNT

General Table Display

Background Number of Entries

Table Cost Elements (Data Dependent on Controlling Area)

Text table

Layout

Maximum no. of hits

Selection Criteria

Fld name	O.	Fr.Value	To value	More	Output	Technical name
Client						MANDT
CO Area				<input type="button" value="More"/>	<input checked="" type="checkbox"/>	KOKRS
Cost Element				<input type="button" value="More"/>	<input checked="" type="checkbox"/>	KSTAR
Valid To				<input type="button" value="More"/>	<input checked="" type="checkbox"/>	DATBI
Valid From				<input type="button" value="More"/>	<input checked="" type="checkbox"/>	DATAB
CElem category				<input type="button" value="More"/>	<input checked="" type="checkbox"/>	KATYP
Entered On				<input type="button" value="More"/>	<input checked="" type="checkbox"/>	FRSDA

CSKB: Display of Entries Found

Search in Table Cost Elements (Data Dependent on Controlling Area)

Number of hits

Runtime Maximum no. of hits

COAr	Cost Elem.	Valid To	Valid From	CECt	Entered On	Entered By	Att. mix	Plan.	Acces	PL	PU	Cost Ctr	Order	Qty	MU	DA	DF	Time Stamp	RI
RL01	2000	12/31/9999	01/01/1900	1	11/14/2020	RLALI												20,201,114,074,459	

SKA1 and SKB1 are still available, however BSIS-BSAS-BSIK-BSAK-BSID-BSAD are not tables anymore, and they are just views.

Difference between standard ledger and extension ledger using table approach

As it has been mentioned, view: FAGLFLEXA calls all the data for all ledgers including standard and extension ledger.

As this is only a view and does not consumes any memory, it is not a problem to calls all the data, however ACDOCA is a table and just stores the data relevant to standard ledger.

The question is do we miss anything in ACDOCA.

No, of course not.

For the extension ledger, there is a field which needs to be filled and that is underlying ledger.

This underlying ledger must be a standard ledger.

Therefor all the information is just copied from a standard ledger and we are just missing duplicated information, which is available in FAGLFLEXA as well.

Let's see FAGLFLEXA in SE11.

The screenshot shows the 'ABAP Dictionary: Initial Screen' for the object 'FAGLFLEXA'. The interface has a green header bar with the title and a toolbar with icons for database, view, data type, type group, domain, search help, and lock object. Below the header, there are radio buttons for 'Database table' (selected), 'View', 'Data type', 'Type Group', 'Domain', 'Search help', and 'Lock object'. Each radio button is followed by a text input field. The 'Database table' field contains 'FAGLFLEXA'. At the bottom, there are three buttons: 'Display' (with a magnifying glass icon), 'Change' (with a pencil icon), and 'Create' (with a document icon). A yellow arrow points to the 'Display' button.

Utilities Extras Environment System Help

Settings...
 Display Object List Ctrl+Shift+F5
 Worklist
 Add to Pool of Inactive Objects
 Display Navigation Window Ctrl+Shift+F4
 Activation Log
 Database Object
 Runtime Object
 Assign Authorization Group
 Table Maintenance Generator
 Table Contents
 Where-Used List Ctrl+Shift+F3
 Versions

Display
 Check
 Recursive Check

Dictionary: Display Table FAGLFLEXA

Transparent Table FAGLFLEXA
 Short Description General Ledger

Attributes Delivery and Maintenance

Field	Key	Ini...				
RCLNT	✓	✓				
RYEAR	✓	✓				
DOCNR	✓	✓	BELNR_D	CHAR	10	0 Accounting Document Number
.INCLUDE	✓	✓	FAGLFLEX01_KEY	STRU	0	0 General Ledger: Technical Fields in Key of Line Items
RLDNR	✓	✓	FAGL_RLDNR	CHAR	2	0 Ledger in General Ledger Accounting
.INCLUDE	✓	✓	FAGLFLEX03_KEY	STRU	0	0 General Ledger: Additional Acct Assignmt (SAP) in Key of L
RBUKRS	✓	✓	BUKRS	CHAR	4	0 Company Code
DOCLN	✓	✓	DOCLN6	CHAR	6	0 Six-Character Posting Item for Ledger
.INCLUDE	✓	✓	FAGLFLEX00_INC	STRU	0	0 General ledger: Transaction attributes

Display: Active runtime object FAGLFLEXA

Transparent Table FAGLFLEXA

Runtime Object Time Stamp 03/11/2019 19:40:57 ABAP Time Stamp 09/30/2018 11:12:06
 DBSQL Time Stamp 2018-09-30 11:12:06.000 DYNP Time Stamp 01/30/2019 12:11:24

Header of active runtime object

Ob...	DB...	Fields	Width	Key...	Key...	Po...	A...	B...	Ge...	Le...	Flag 1	Physical table	N	Flag 2	Flag 3	Flag 4	Flag 5	Flag 6	Poi...	Uni...	UUID	Leaf...	Compcount
T	T	48	592	6	58	1	2	0	0	0	00010010	FGLV_FAGLFLEXA	C	00000010	00011000	00000000	00010100	00000000	0	2	2283D25...	0	000001000000

Fields of active runtime object

Field	Posi...	Posi...	Dep...	Data Type	Leng...	DB Len...	Dec...	Offset	Len...	D...	AB...	A	Plac...	Flag 1	Flag 2	Flag 3	Flag 4	Data element	Pre...	Ref. table	Ref. field	Conv.R
RCLNT	1	1	0	CLNT	6	6	0	0	3	152	0	C	0	01000001	00001000	00000010	00000000	MANDT	0			
RYEAR	2	2	0	NUMC	8	8	0	6	4	176	6	N	0	01100001	00000110	00000000	00000000	GJAHR	0			GJAHR
DOCNR	3	3	0	CHAR	20	20	0	14	10	40	0	C	0	01100001	00000110	00000000	00000000	BELNR_D	0			ALPHA
RLDNR	4	4	0	CHAR	4	4	0	34	2	40	0	C	0	01100001	00000110	00000011	00000000	FAGL_RLDNR	0			ALPHA
RBUKRS	5	5	0	CHAR	8	8	0	38	4	40	0	C	0	01100001	00001100	00000010	00000000	BUKRS	0			
DOCLN	6	6	0	CHAR	12	12	0	46	6	40	0	C	0	01000001	00000000	00000000	00000000	DOCLN6	0			
ACTIV	7	7	0	CHAR	8	8	0	58	4	40	0	C	0	01100000	00001000	00000010	00000000	ACTI1	0			

As you can see FAGLFLEXA calling another table in Background. FGLV_FAGLFLEXA

Now let's see this view.

Dictionary: Display View

DDL SQL View: FGLV_FAGLFLEXA Active

Short Description: Compatibility view for FAGLFLEXA

DDL Source: FGL_FAGLFLEXA

Attributes | **Table/Join Conditions** | View Fields | Selection Conditions | Maint.Status

Table fields

View field	Table	Field	Key	Data elem.	M...	DTyp	Length	Short description
RCLNT	FGLV_GLSI	RCLNT	<input checked="" type="checkbox"/>	MANDT	<input type="checkbox"/>	CLNT	3	Client
RYEAR	FGLV_GLSI	RYEAR	<input checked="" type="checkbox"/>	GJAHR_POS	<input type="checkbox"/>	NUMC	4	General Ledger Fiscal Year
DOCNR	FGLV_GLSI	DOCNR	<input checked="" type="checkbox"/>	BELNR_D	<input type="checkbox"/>	CHAR	10	Accounting Document Number
RLDNR	FGLV_GLSI	RLDNR	<input checked="" type="checkbox"/>	FINS_LEDGER	<input type="checkbox"/>	CHAR	2	Ledger in General Ledger Accounting
RBUKRS	FGLV_GLSI	RBUKRS	<input checked="" type="checkbox"/>	BUKRS	<input type="checkbox"/>	CHAR	4	Company Code
DOCLN	FGLV_GLSI	DOCLN	<input checked="" type="checkbox"/>	DOCLN6	<input type="checkbox"/>	CHAR	6	Six-Character Posting Item for Ledger
ACTIV	FGLV_GLSI	ACTIV	<input checked="" type="checkbox"/>	ACT11	<input type="checkbox"/>	CHAR	4	FI-SL Business Transaction
RMVCT	FGLV_GLSI	RMVCT	<input checked="" type="checkbox"/>	RMVCT	<input type="checkbox"/>	CHAR	3	Transaction type
RTCUR	FGLV_GLSI	RTCUR	<input checked="" type="checkbox"/>	FINS_CURRT	<input type="checkbox"/>	CUKY	5	Balance Transaction Currency
RUNIT	FGLV_GLSI	RUNIT	<input checked="" type="checkbox"/>	MEINS	<input type="checkbox"/>	UNIT	3	Base Unit of Measure
AWTYP	FGLV_GLSI	AWTYP	<input checked="" type="checkbox"/>	AWTYP	<input type="checkbox"/>	CHAR	5	Reference procedure
RRCTY	FGLV_GLSI	RRCTY	<input checked="" type="checkbox"/>	RRCTY	<input type="checkbox"/>	CHAR	1	Record Type
RVERS	FGLV_GLSI	RVERS	<input checked="" type="checkbox"/>		<input type="checkbox"/>	CHAR	3	
LOGSYS	FGLV_GLSI	LOGSYS	<input checked="" type="checkbox"/>	AWSYS	<input type="checkbox"/>	CHAR	10	Logical system of source document

As you can see this table is calling one other table in background

Dictionary: Display View

DDL SQL View: FGLV_FAGLFLEXA Active

Short Description: Compatibility view for FAGLFLEXA

DDL Source: FGL_FAGLFLEXA

Attributes | **Table/Join Conditions** | View Fields | Selection Conditions | Maint.Status

Tables

Table	Field name	=	Table	Field name
FGLV_GLSI				

Join conditions

Just double click on this.

Dictionary: Display View

DDL SQL View: FGLV_GLSI Active

Short Description: G/L line items filtered by means of MIG_SOURCE

DDL Source: FGL_GLSI

Attributes | **Table/Join Conditions** | View Fields | Selection Conditions | Maint.Status

Tables

Table	Field name	=	Table	Field name

Just follow the track.

Dictionary: Display View

DDL SQL View: FGLV_GLSI_ACD Active

Short Description: View of G/L-entities on ACDOCA - generated.

DDL Source: FGL_GLSI_ACD

Attributes | **Table/Join Conditions** | View Fields | Selection Conditions | Maint.Status

Tables

Table	Field name	=	Table	Field name
FINSC_LEDGER_REP	MANDT	=	ACDOCA	RCLNT
FINSC_LEDGER_REP	RLDNR_PERS	=	ACDOCA	RLDNR
ACDOCA	RCLNT	=	FINSC_LEDGER_REP	MANDT
FINSC_LD_CMP	MANDT	=	ACDOCA	RCLNT
FINSC_LD_CMP	BUKRS	=	ACDOCA	RBUKRS
FINSC_LD_CMP	RLDNR	=	FINSC_LEDGER_REP	RLDNR
ACDOCA	RCLNT	=	FINSC_LD_CMP	MANDT

And here it is. It is calling ACDOCA!

But if ACDOCA does not contain any information for any other ledger, how FAGLFLEXA includes this kinds of information.

As you can see, there are some other tables for the relation between ledger and underlying ledger in the picture above. System will copy data for those ledgers into FAGLFLEXA.

Therefor for any reporting purpose, we have the information we need from FAGLFLEXA and it does not consumes any memory.to summarize all these, BKPF, BSEG are Views only contain leading ledgers information. ACDOCA only stores standatd ledgers information. FAGLFLEXA calls all the information form all ledgers including standard and extension ledgers and it calls this data from ACDOCA.

However, in ECC FAGLFLEXA stores information from all ledgers and consumes memory for this purpose.

(The main difference between ledger and view is that tables stores data but views does not store data and they just call information from real tables)

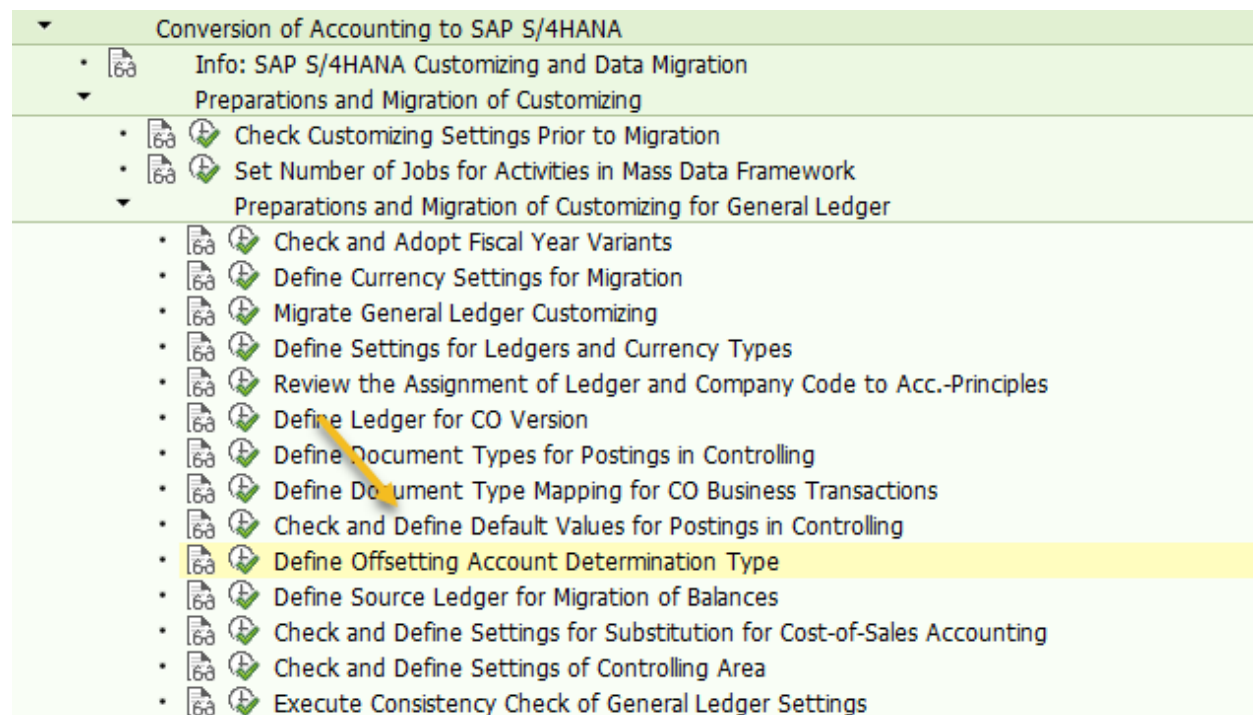
Define Offsetting Account Determination Type

In this customizing activity, you define how the system calculates the offsetting account in all applications.

You have to carry out this activity before you perform any migration activities that affect the offsetting account.

This activity is a prerequisite for the activity Fill the Offsetting Account in FI Documents.

In plain language, if you want to have the offset account for your reporting purpose such as FBL3N and you want to determine which offset account must be shown in case there are more than one offset accounts, you should set this configuration.



New Entries: Details of Added Entries

Define Offsetting Account Determination

Offsetting Acct Determination Do not display offsetting account

- 1 Display offsetting account if clearly specified
- 2 Always display offsetting account with the highest amount
- 3 Always display offsetting account (highest amount all lines)
- Do not display offsetting account**

Business partner

In ECC transactions "FK01", "XK01" and "MK01" are used for creating vendor code and transactions "VD01", "FD01" and "XD01" are used to create customer code.

Now in SAP S4HANA, if you execute these transactions, system will redirect you to transaction "BP".

It should be mentioned that even in ECC we had business partner terminology (it was FSCM master data)

However, the question is why we need to create Business partner instead of customer and vendor?

If you remember, it has been mentioned that now in S4HANA all the functionalities including CRM, SRM and so on are part of the common system, therefore we need one common master data for this system in a way that one business partner can present customer and vendor in a same time and so many other roles. Therefore, business partner is mandatory in S4HANA.

If you execute BP transaction code; you will see the screen as shown in the below screen shot.

Maintain Business Partner

Person Organization Group General Data Relationships

Worklist Find

Find 1 Business Partn... By 1 Number

BusinessPartner

Max. hits 100 Start

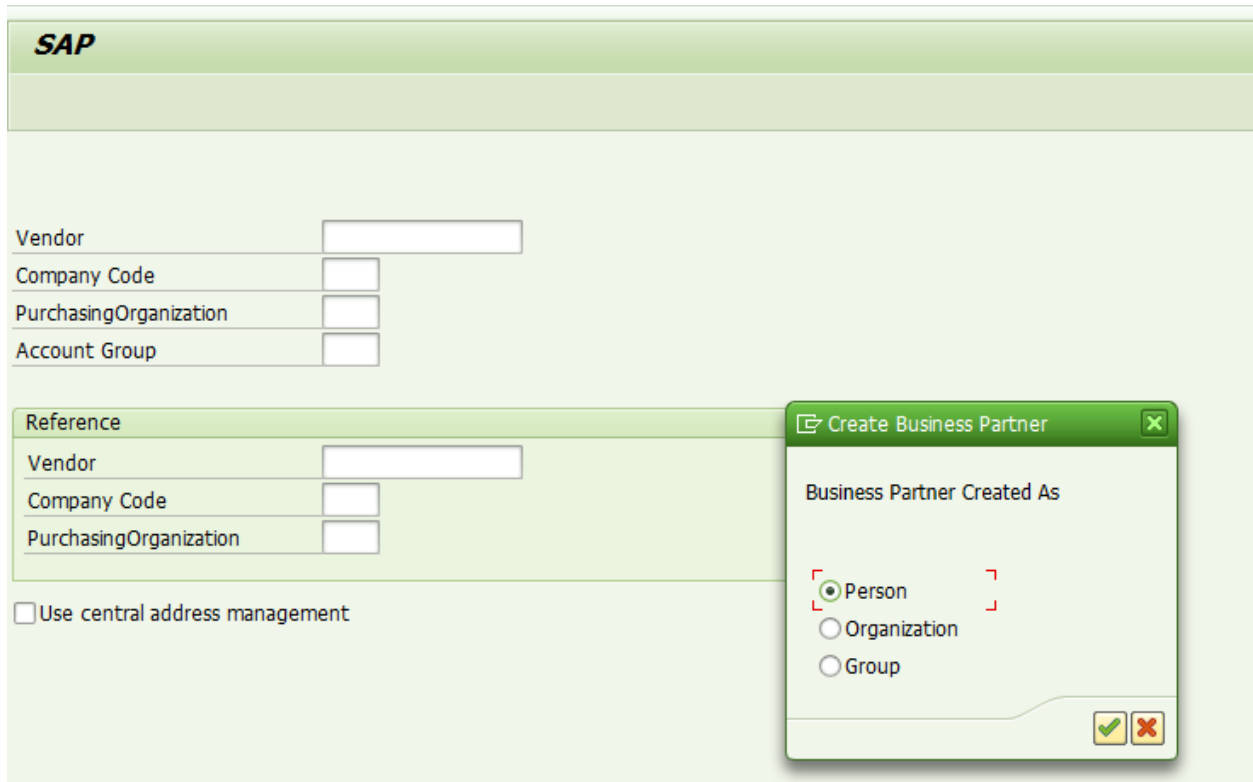
Partner	Description	Name 1/last name	Name 2/First name
---------	-------------	------------------	-------------------

You need to determine which type of business partner you are going to define.

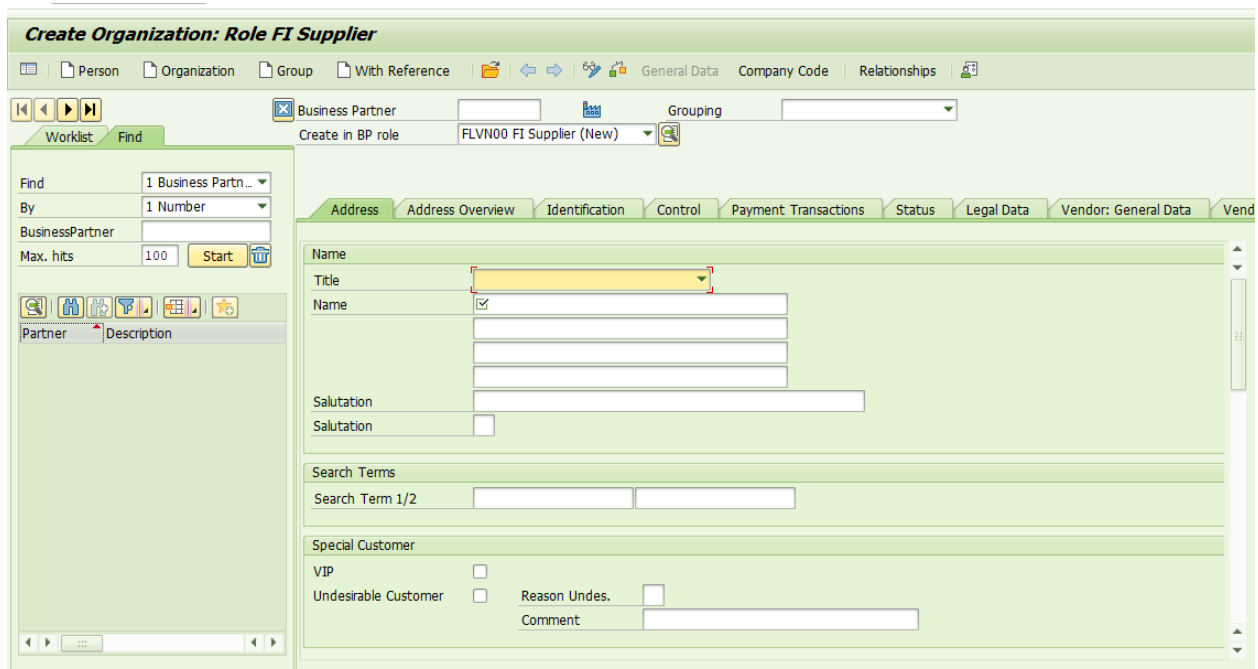
Is it person, organization, or group?

Normally for customer and vendor you must choose organization.

However if you execute one of the transaction codes: XK01-XD01-FK01-FD01, system wants you to determine first business partner type.

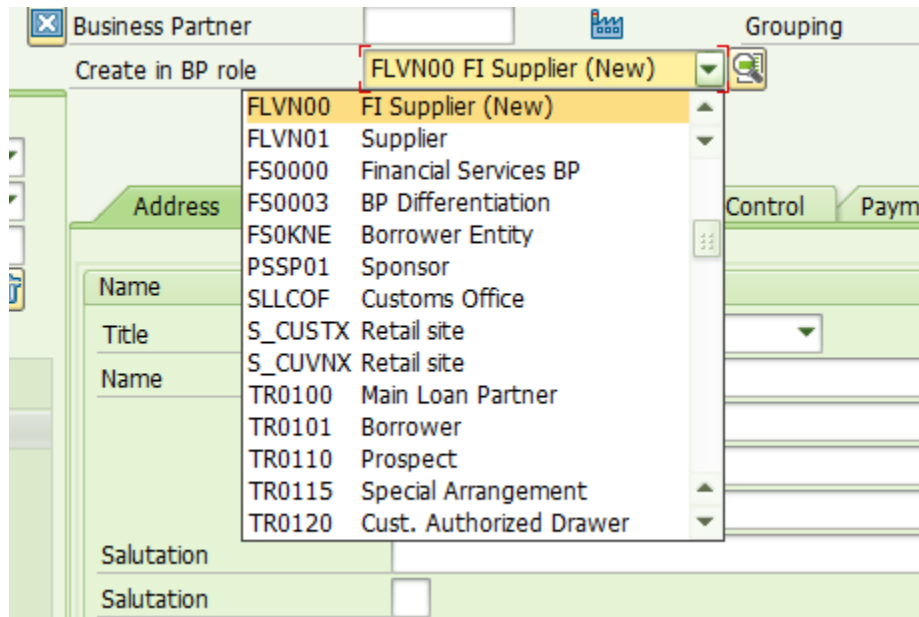


The image shows the SAP Business Partner creation interface. At the top, the SAP logo is visible. Below it, there are input fields for 'Vendor', 'Company Code', 'PurchasingOrganization', and 'Account Group'. A 'Reference' section contains similar fields. A checkbox labeled 'Use central address management' is present. A modal dialog titled 'Create Business Partner' is open, showing the 'Business Partner Created As' options: 'Person' (selected with a radio button), 'Organization', and 'Group'. The dialog has a green checkmark icon and a red X icon at the bottom right.



The image shows the 'Create Organization: Role FI Supplier' screen in SAP. The title bar indicates the role is 'FI Supplier'. The screen is divided into several sections. On the left, there is a 'Find' section with a search bar and a 'Start' button. Below it, there is a 'Partner' section with a 'Description' tab. The main area is divided into tabs: 'Address', 'Address Overview', 'Identification', 'Control', 'Payment Transactions', 'Status', 'Legal Data', 'Vendor: General Data', and 'Vend'. The 'Address' tab is active, showing fields for 'Name', 'Title', 'Name' (with a checkmark), 'Salutation', and 'Search Terms'. There is also a 'Special Customer' section with checkboxes for 'VIP' and 'Undesirable Customer', and a 'Reason Undes.' field with a 'Comment' field.

As you can see, there is a terminology called BP roles:



As you can see, since we execute FK01 system automatically choose the supplier BP role, because it already knows that we want to create vendor., but if you execute BP, it will choose general BP role and you have to define supplier BP role later for your vendor.

Of you remember, in ECC we had three segments to define a vendor code: general, company code and purchasing.

BP roles for these segments are as follow:

General: 000000

Company code: FLVN00

Purchasing: FLVN01

And now let's find out these segments for customers.

General: 000000

Company code: FLCU00

Sales: FLCU01

The other terminology is grouping.

Based on grouping system will specify BP code and determine whether it is internal or external.

There are some grouping available in the system as of now which you can choose for your test.

Create Organization: Role FI Supplier

Person Organization Group With Reference General Data **Company Code** Relationships

Business Partner [] Grouping []

Create in BP role FLVN00 FI Supplier (New)

Worklist Find

Find 1 Business Partn...
By 1 Number
BusinessPartner
Max. hits 100 Start

Partner Description

Address Address Overview Identification Control Payment Transactions Status Legal Data Vendor: General Data Vendor

Name
Title
Name test3
Salutation
Search Terms
Search Term 1/2

Business Partner [] Grouping []

Create in BP role FLVN00 FI Supplier (New)

Company Code

Company Code RL01 RL01 Company code
Customer
Vendor <External>

Company Codes
Switch Company Code
Delete Company Code

Vendor: Account Management Vendor: Payment Transactions Vendor: Correspondence Vendor: Status Vendor: Withhold

Account Management

Reconciliation acct 1001 [account payable]
Head office
Sort key
Subsidy Indicator
Authorization Group

Performance Assistant


Business partner 1000150 created

Message no. R1425

As you can see, Business partner has been created successfully and now you can see that in FK02-FK03-XK02-XK03 and finally in BP.

Change Supplier: Initial Screen



Vendor  test3
Company Code RL01 Company code
Purch. Organization

General data

- ☒ Address
- ☒ Control
- ☒ Payment transactions
- ☒ Contact Persons

Company code data

- ☒ Accounting info
- ☒ Payment transactions
- ☒ Correspondence
- ☐ Withholding tax

Purchasing organization dat

Change Organization: 1000150, role FI Supplier

Person Organization Group General Data Company Code Relationships

Business Partner 1000150 test3 / 11111 tehran
Change in BP role FLVN00 FI Supplier (defined)

Worklist Find

Find 1 Business Partn...
By 1 Number
BusinessPartner
Max. hits 100 Start

Partner Description

Name
Title
Name test3
Salutation
Salutation

Search Terms
Search Term 1/2

Special Customer
VIP
Undesirable Customer Reason Undes. Comment

In the case we had, BP number and vendor code are the same. However, it could be different.

You should notice if these codes are different, the vendor code is important for your FI document and for your transactions.

Now let's create purchasing view for this vendor number

Change Organization: 1000150, role FI Supplier

Person Organization Group General Data Company Code

Business Partner 1000150 test3 / 11111 tehran
Change in BP role FLVN00 FI Supplier (defined)

Address Address Overview Identification Control Payment Transactions

Vendor Num
Vendor Num

FLVN00 FI Supplier (defined)
FLVN01 Supplier
FS0000 Financial Services BP
FS0003 BP Differentiation
FS0KNE Borrower Entity
PSSP01 Sponsor
SLLCOF Customs Office
S_CUSTX Retail site
S_CUVNX Retail site

Control Payment Transactions Status Le

Change Organization: 1000150, role Supplier

Person Organization Group General Data Purchasing Relationships

Business Partner 1000150 test3 / 11111 tehran
Change in BP role FLVN01 Supplier (defined)

Purchasing Organization

Purch. organization 0001 Einkaufsorg. 0001

Purchasing Organizations
Switch Organization
Delete Organization

Purchasing Data Partner Functions Additional Purchasing Data Interchangeability Vendor: Texts Supply Region

Conditions

Order currency IRR
Payment terms
Incoterms Version
Incoterms
Incoterms Location 1
Incoterms Location 2
Minimum order value

Sales Data

Business partner setting

You can find this setting in cross component application

SAP Business Partner

Activation Switch for Functions

Business Partner

Basic Settings

Business Partner Roles

Notes

Number Ranges and Groupings

Nummernkreise im Testlaufmodus definieren

Define Number Ranges

Define Groupings and Assign Number Ranges

Business Partner Types

Field Groupings

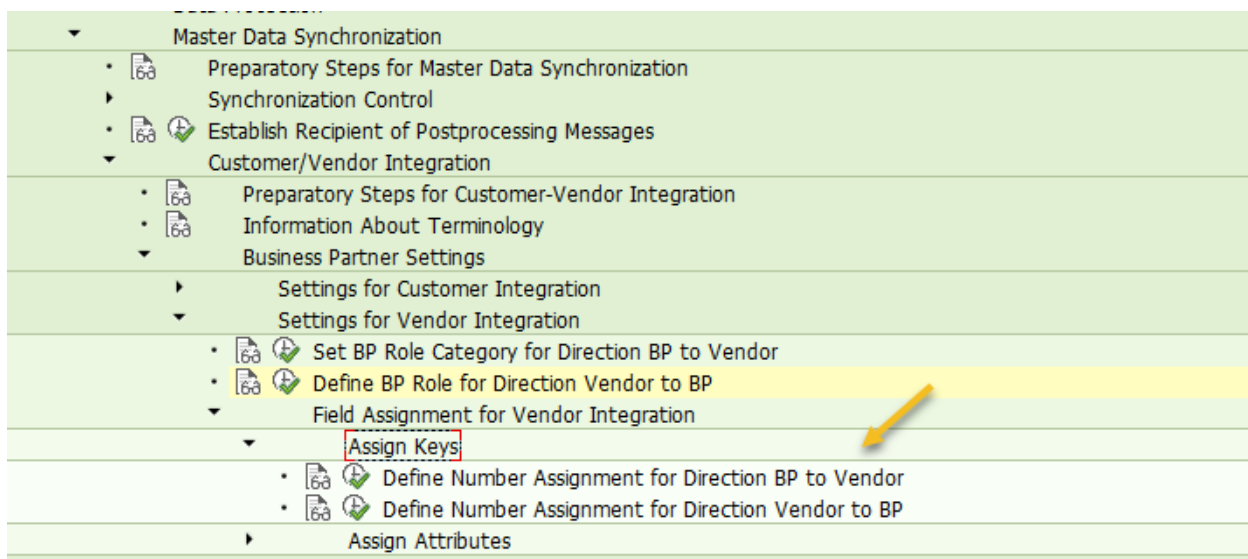
Change View "BP groupings": Overview						
New Entries						
Grouping	Short name	Description	Number ra...	External	Int.Std.Grp...	Ext.Std Grp...
0001	Int.no.assignmnt	Internal number assignment	01	<input checked="" type="checkbox"/>		<input type="radio"/>
0002	Ext.No.Assignmnt	External Number Assignment	AB	<input checked="" type="checkbox"/>		<input type="radio"/>
BP01	Ext.Numeric Lo	External numeric numbering (lower ra...	01	<input checked="" type="checkbox"/>		<input type="radio"/>
BP02	Int. Numeric	Internal Numbering for standard use	02	<input type="checkbox"/>	<input checked="" type="radio"/>	
BP03	Ext.Numeric Hi	External numeric numbering (higer ra...	03	<input checked="" type="checkbox"/>		<input type="radio"/>
BP04	Ext. AlphaNum	Ext. alphanumeric numb. (Sample Dat...	04	<input checked="" type="checkbox"/>		<input type="radio"/>
BPAB	Ext. Alpha	External alpha-numeric numbering	AB	<input checked="" type="checkbox"/>		<input checked="" type="radio"/>
BPEE	Int.Numeric EE	Internal Numbering for Employees	EE	<input type="checkbox"/>	<input type="radio"/>	
C012	Hierarchy Node	Customer Hierarchy Node	01	<input checked="" type="checkbox"/>		<input type="radio"/>
CPD2	CPD Sample Data	Ext. alphanum. numb. CPD (Sample D...	04	<input checked="" type="checkbox"/>		<input type="radio"/>
CPDA	CPD Ext.Alph.	External alpha-numeric for CPD BPs	AB	<input checked="" type="checkbox"/>		<input type="radio"/>
CPDN	CPD Int.Num.	Internal Numbering for CPD BPs	02	<input type="checkbox"/>	<input type="radio"/>	
CPDS	CPD Ext.Num. Hi	External num. numb. CPD (higer rang...	03	<input checked="" type="checkbox"/>		<input type="radio"/>
DAR1	Loans	Loan partner (int.cust)	01	<input checked="" type="checkbox"/>		<input type="radio"/>
ETM	ETM	Equipment and Tools Management	01	<input checked="" type="checkbox"/>		<input type="radio"/>
GPEX	Ext.No.Assignmnt	External Number Assignment GPEX	AB	<input checked="" type="checkbox"/>		<input type="radio"/>
GPIN	Int.no.assignmnt	Internal number assignment GPIN	01	<input checked="" type="checkbox"/>		<input type="radio"/>
IMMO	Real Estate	Real Estate Partner (I)	01	<input checked="" type="checkbox"/>		<input type="radio"/>

Here you define your grouping and assign number range to the grouping and specify whether it is internal or external.

Until now, we have defined Business partner number ranges.

How about vendor code and its number range?

In cross component application go to the setting below.



Change View "Business Partner: Assignment of Account Groups and Gro

New Entries

Business Partner: Assignment of Account Groups and Grouping						
Grp.	Short name	Group	Meaning	Same Nos.	Flex. Grp.	
0001	Int.no.assignmnt	KRED	Vendor (int.number assignmnt)	<input type="checkbox"/>	<input type="checkbox"/>	
0002	Ext.No.Assignmnt	LIEF	Vendor (ext.number assignmnt)	<input type="checkbox"/>	<input type="checkbox"/>	
BP01	Ext.Numeric Lo	SUPL	Supplier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BP02	Ext. Numeric	SUPL	Supplier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BP03	Ext.Numeric Hi	SUPL	Supplier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BP04	Ext. AlphaNum	SUPL	Supplier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BPAB	Ext. Alpha	SUPL	Supplier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BPEE	Int.Numeric EE	EMPL	Employee as Supplier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

As you can see, Business partner group BP02 is mapped to vendor account group SUPL and they use same number.

Let's see vendor account group SUPL and its number range.

Financial Accounting	
Financial Accounting Global Settings	
General Ledger Accounting	
Accounts Receivable and Accounts Payable	
Customer Accounts	
Vendor Accounts	
Master Data	
Preparations for Creating Vendor Master Data	
Define Account Groups with Screen Layout (Vendors)	
Define Screen Layout per Company Code (Vendors)	
Define Screen Layout per Activity (Vendors)	
Change Message Control for Vendor Master Data	
Develop Enhancements for Vendor Master Data	
Adoption of Customer's Own Master Data Fields	
Define Accounting Clerks	
Define Industries	
Accounts Payable Master Data for Argentina	
Accounts Payable Master Data for South Korea	
Accounts Payable Master Data for Saudi Arabia	
Create Number Ranges for Vendor Accounts	
Assign Number Ranges to Vendor Account Groups	
Define Text IDs for Central Texts (Vendors)	

Change View "Assign Vendor Account Groups->Number Range"		
	Group	Name
	SUPL	Supplier
	VERT	Representative
		Number range
		BP
		BP

Edit Intervals: Vendor, Object KREDITOR					
	N..	From No.	To Number	NR Status	Ext
	01	0000000001	0000099999	0	<input type="checkbox"/>
	02	0000100000	0000199999	0	<input type="checkbox"/>
	BP	0000000001	ZZZZZZZZZZ	0	<input checked="" type="checkbox"/>
	MM	3100000000	3199999999	0	<input type="checkbox"/>
	XX	A	ZZZZZZZZZZ	0	<input checked="" type="checkbox"/>

Please notice if you want to use same number ranges, you should define external range for vendor account group and internal number range for your business partner.

Display Organization: 1000150, role FI Supplier

Business Partner: 1000150 test3 / 11111 tehran

Display in BP role: FLVN00 FI Supplier

Address Address Overview Identification Control Payment Transactions Status Legal Data Vendor: General Data Vendor: T

Vendor Number

Vendor Number: 1000150

Vendor Assignment

Account Group: SUPL Supplier

Maintain Acc Grp

General Data

Customer

Authorization Group

Group key

No need to change any of the configuration below.

▼	Data Protection
▼	Master Data Synchronization
•	Preparatory Steps for Master Data Synchronization
▶	Synchronization Control
•	Establish Recipient of Postprocessing Messages
▼	Customer/Vendor Integration
•	Preparatory Steps for Customer-Vendor Integration
•	Information About Terminology
▼	Business Partner Settings
▶	Settings for Customer Integration
▼	Settings for Vendor Integration
•	Set BP Role Category for Direction BP to Vendor
•	Define BP Role for Direction Vendor to BP
▶	Field Assignment for Vendor Integration

Change View "Define Vendor Link for Business Partner Roles": Overview	
New Entries	
Define Vendor Link for Business Partner Roles	
Role Cat.	Description
CRM010	Carrier
FLVN00	Business Partner FI Vendor (FS: BP)
FLVN01	Business Partner Vendor (FS: BP)
TR0602	Landlord with a Vendor Account (FS: RE)
TR0604	Partner with a Vendor Account (FS: RE)
TR0606	Manager with Vendor Account (FS: RE)
TR0821	Tax Office (FS: RE)

▼	Master Data Synchronization
•	Preparatory Steps for Master Data Synchronization
▼	Synchronization Control
•	Preparatory Steps for Synchronization Control
▼	Synchronization Control
•	Synchronization Objects
•	Activate PPO Requests for Platform Objects in the Dialog
•	Activate Synchronization Options

Change View "Synchronization Objects": Overview

New Entries

Synchronization Objects

Syn.Object	Sync. Mode	Extractor Class	
BP	1 For Synchronous Comparison	CVI_BP_EXTRACTOR	B
CUSTOMER	1 For Synchronous Compariso...	CMD_EI_API_EXTRACT	C
VENDOR	1 For Synchronous Compariso...	VMD_EI_API_EXTRACT	V

- ▶ Data Protection
 - ▼ Master Data Synchronization
 - Preparatory Steps for Master Data Synchronization
 - ▼ Synchronization Control
 - Preparatory Steps for Synchronization Control
 - ▼ Synchronization Control
 - Synchronization Objects
 - Activate PPO Requests for Platform Objects in the Dialog
 - Activate Synchronization Options
 - Establish Recipient of Postprocessing Messages

Change View "Activation of the PPOs in the Dialog for Platform Objects"


New Entries

Activation of the PPOs in the Dialog f...

Syn.Object	PPO Active	
BP	<input checked="" type="checkbox"/>	















- ▶ Data Protection
 - ▼ Master Data Synchronization
 - Preparatory Steps for Master Data Synchronization
 - ▼ Synchronization Control
 - Preparatory Steps for Synchronization Control
 - ▼ Synchronization Control
 - Synchronization Objects
 - Activate PPO Requests for Platform Objects in the Dialog
 - Activate Synchronization Options

Change View "Active Synchronization Options": Overview

 New Entries       

Active Synchronization Options

Source Object	Target Object	Act.Ind.	
BP	CUSTOMER	<input checked="" type="checkbox"/>	
BP	VENDOR	<input checked="" type="checkbox"/>	
CUSTOMER	BP	<input checked="" type="checkbox"/>	
VENDOR	BP	<input checked="" type="checkbox"/>	

▼	SAP Business Partner
•  	Activation Switch for Functions
▼	Business Partner
▼	Basic Settings
▼	Business Partner Roles
• 	Concept of Business Partner Roles
•  	<u>Define BP Roles</u>
•  	Define BP Role Groupings
•  	Define BP Role Category Groups
•  	Define BP Role Exclusion Groups
•  	Define Application Transactions
▶ 	Notes

Change View "BP Roles": Details

 New Entries     

Dialog Structure

- BP Roles
- ▼ BP Role Categories
 - BP Role Category -->

BP Role

General Data

Title

Description

☐ Hide

BP Role Category

BP Role Cat. FI Vendor

☒ Std Assignment BP Role -> BP Role Cat.

Additional BP Roles for BP Role Category FLVN00

BP Role	Title	Standard	
		<input type="radio"/>	
		<input type="radio"/>	▲
		<input type="radio"/>	▼

◀ ▶ ▶

Interface Control

BP View CVI: FI Vendor

Position

Change View "BP Role Categories": Details

New Entries

Dialog Structure

- BP Roles
- BP Role Categories
 - BP Role Category -->

BP Role Cat.

BP Role Categories

Title

Description

Diff.Type General Data

Possible Business Partner Categories

- ☒ Organization
- ☒ Person
- ☒ Group

I just mention Business partner definition for vendors but you can do the same setting for customers. There is nothing different for customers.

Business partner tables

LFA1

LFA1: Display of Entries Found

Search in Table Supplier Master (General Section)

Number of hits

Runtime Maximum no. of hits

Vendor	Cty	Name	Name 2	Name 3	Name 4	City	District	PO Box	PO Box pcd	Post.Code	Rg	Search term	Street	Address	Name	Name 2	City
1000150	IR	test3				tehran				11111				25150	TEST3		TEI

LFB1

LFB1: Display of Entries Found

Search in Table: LFB1 Vendor Master (Company Code)

Number of hits: 1

Runtime: 0 Maximum no. of hits: 500

Vendor	CoCode	Pers.No.	Created on	Created by B	DelF	Sort	Recon.acct	AuGr	Int ID	Methods	Cust. clrg	Block Ind.	Pay
1000150	RL01		11/17/2020	RLALI			1001						

LFM1

LFM1: Display of Entries Found

Search in Table: LFM1 Vendor master record purchasing organization data

Number of hits: 1

Runtime: 0 Maximum no. of hits: 500

Vendor	POrg	Created on	Created B	D	ABC	Crcy	Salespers.	Telephone	Min. value	PayT	IncoT	Inco. 2	GR-IV	AR
1000150	0001	11/17/2020	RLALI			IRR			0.00					

BUT000

BUT000: Display of Entries Found

Search in Table: BP: General data I
 Number of hits:
 Runtime: Maximum no. of hits:

Partner	BPC	Type	Grp.	Extern.No.	SrchTerm 1	SrchTerm 2	Origin	Key	Arch.	Flag	Central	AGrp	Salutation	Lo
1000150	2		BP02											

But100

BUT100: Display of Entries Found

Search in Table: BP: Roles
 Number of hits:
 Runtime: Maximum no. of hits:

Partner	BP Role	DifTypeVal	Valid From	Valid To	RType	AGrp
1000150	FLVN00		20,201,117,000,000	99,991,231,235,959		
1000150	FLVN01		20,201,117,000,000	99,991,231,235,959		

CVI_VEND_LINK

General Table Display

Background
 Number of Entries

 All Entries

Table
 Assignment Between Vendor and Business Partner

Text table
☐ No texts

Layout

Maximum no. of hits
☐ Maintain entries

Selection Criteria

Fld name	O.	Fr.Value	To value	More	Output	Technical name
Client						CLIENT
BP GUID					<input checked="" type="checkbox"/>	PARTNER_GUID
Vendor		1000150			<input checked="" type="checkbox"/>	VENDOR
Created by					<input checked="" type="checkbox"/>	CRUSER
Created on					<input checked="" type="checkbox"/>	CRDAT
Created at					<input checked="" type="checkbox"/>	CRTIM

With BP GUID that you can get from this table, you can map BP and vendor (Join between CVI_VEND_LINK and BUT000)

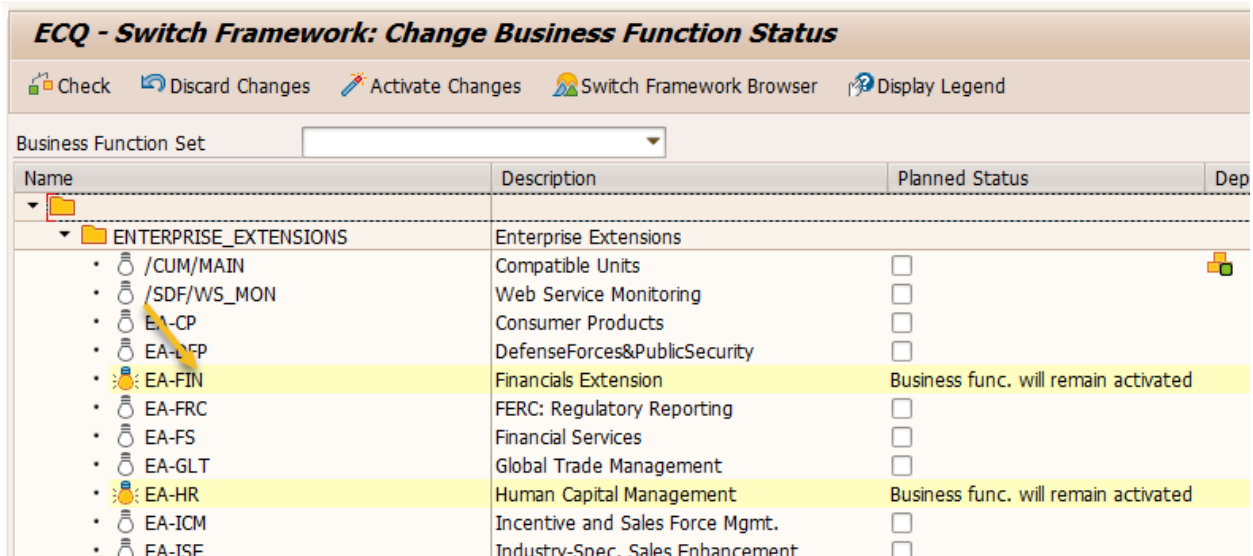
New asset accounting

Fist of all new asset accounting is not a new terminology and it was available in SAP ECC.

In SAP ECC when SAP came up with the new concept of new GL accounting, there were some changes in asset accounting.

There was a business function, which you can see with transaction SFW5(switch framework) and under Enterprise-Extension.

This screenshot is belong to SAP ECC.



The screenshot shows the SAP SFW5 transaction titled "ECQ - Switch Framework: Change Business Function Status". At the top, there are buttons for "Check", "Discard Changes", "Activate Changes", "Switch Framework Browser", and "Display Legend". Below these is a "Business Function Set" dropdown menu. The main table has four columns: "Name", "Description", "Planned Status", and "Dep". The table is expanded to show the "ENTERPRISE_EXTENSIONS" folder. A yellow arrow points to the "EA-FIN" business function, which is highlighted in yellow. Other business functions listed include "/CUM/MAIN", "/SDF/WS_MON", "EA-CP", "EA-CP", "EA-FRC", "EA-FS", "EA-GLT", "EA-HR", "EA-ICM", and "FA-ISF". The "Planned Status" for "EA-FIN" and "EA-HR" is "Business func. will remain activated".

Name	Description	Planned Status	Dep
ENTERPRISE_EXTENSIONS	Enterprise Extensions		
• /CUM/MAIN	Compatible Units	<input type="checkbox"/>	
• /SDF/WS_MON	Web Service Monitoring	<input type="checkbox"/>	
• EA-CP	Consumer Products	<input type="checkbox"/>	
• EA-CP	DefenseForces&PublicSecurity	<input type="checkbox"/>	
• EA-FIN	Financials Extension	Business func. will remain activated	
• EA-FRC	FERC: Regulatory Reporting	<input type="checkbox"/>	
• EA-FS	Financial Services	<input type="checkbox"/>	
• EA-GLT	Global Trade Management	<input type="checkbox"/>	
• EA-HR	Human Capital Management	Business func. will remain activated	
• EA-ICM	Incentive and Sales Force Mgmt.	<input type="checkbox"/>	
• FA-ISF	Industrv-Snec. Sales Enhancement	<input type="checkbox"/>	

As you can see here, this business function can be activated or deactivated by Basis team. therefore you can use classic asset accounting or new asset accounting based on your choice.

However In SAP s4/HANA there is no option to deactivate it and it is in the folder of always on function and it is activated by default.

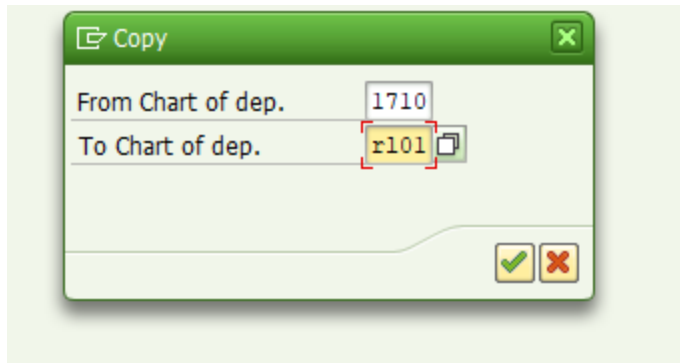
Business Function Set	
Name	Description
• /CUM/MAIN	Compatible Units
• /SDF/WS_MON	Web Service Monitoring
• EA-CP	Consumer Products
• EA-DFP	Defense Forces&PublicSecurity
• EA-FRC	FERC: Regulatory Reporting
• EA-HR	Human Capital Management
• EA-ICM	Incentive and Sales Force Mgr
• EA-ISE	Industry-Specific Sales Enhanc
• EA-PS	Public Services
• EA-SCM	SCM Extensions - obsolete in S
• EA-TRV	Travel Management Extension
▶ ENTERPRISE_BUSINESS_FUNCTIONS	Enterprise Business Functions
▼ S/4H_ALWAYS_ON_FUNCTIONS	S/4H Always ON Business Func
• /CCEE/LOC_01	FI,LO Localization for Central a
• /PLMU/COEX_IPPE_BOM	PLM Coexistence IPPE BOM

Back to the configuration:

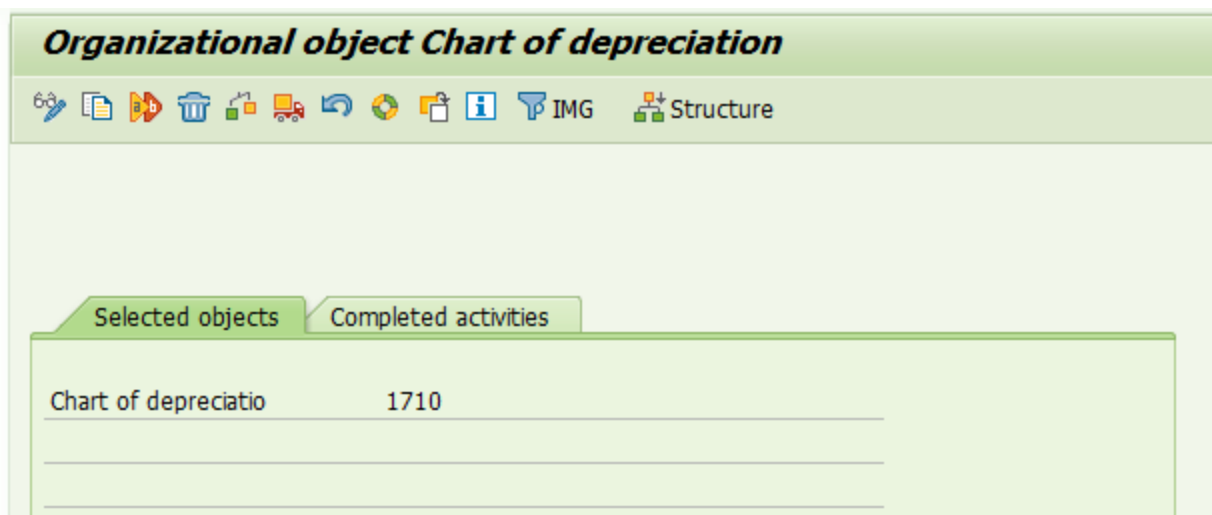
The configuration needs to be done for asset accounting is as follow:

- 1- Create a chart of depreciation: list of depreciation areas

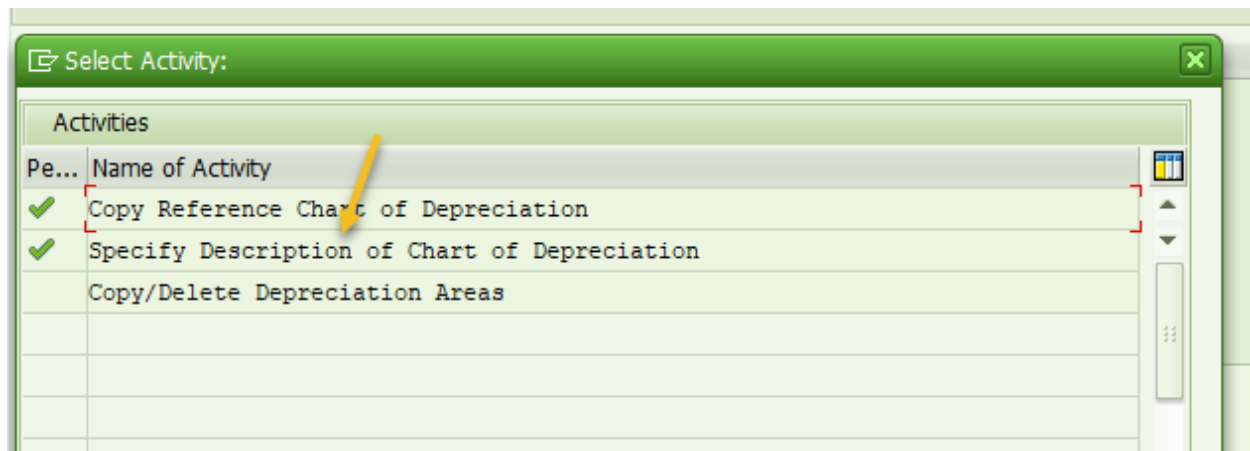
Financial Accounting	
▶	Financial Accounting Global Settings
▶	General Ledger Accounting
▶ 160	Accounts Receivable and Accounts Payable
▶ 160	Contract Accounts Receivable and Payable
▶	Bank Accounting
▶	Revenue Accounting
▶	Consolidation Preparation
▶	Real-Time Consolidation
▼	Asset Accounting
▶	Migration: Asset Accounting (New)
▼ 160	Organizational Structures
• 160	Check Country-Specific Settings
• 160	Copy Reference Chart of Depreciation/Depreciation Areas
• 160	Assign Chart of Depreciation to Company Code
• 160	Specify Number Assignment Across Company Codes
▶ 160	Asset Classes
▶	Country-Specific Functions

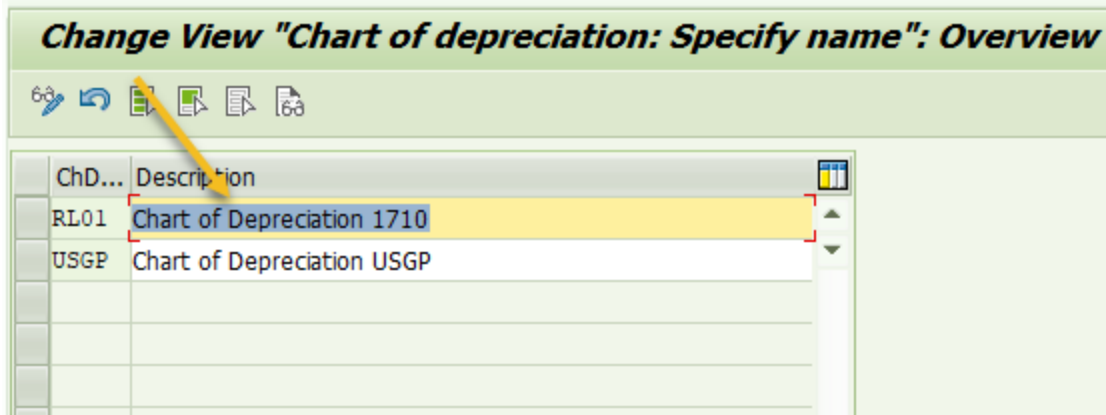


As you can see, it is completed.(I just wanted to copy one)

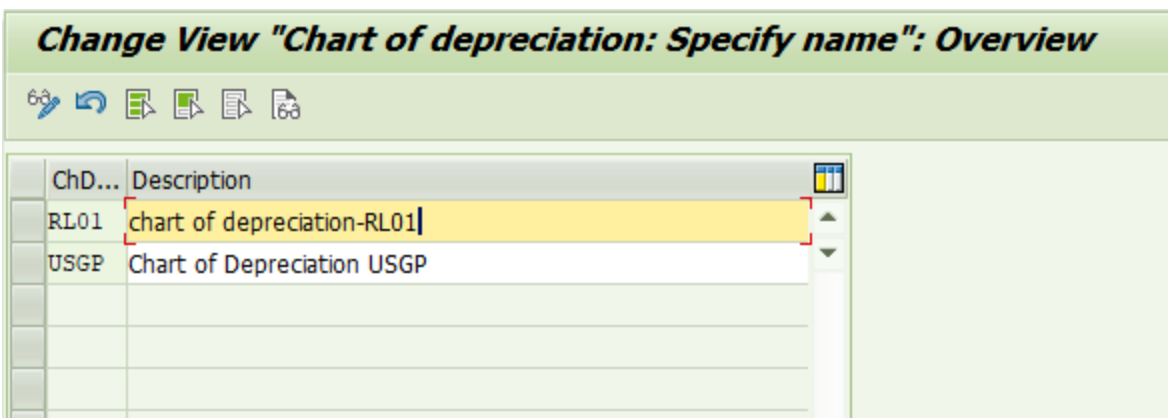


Now if you just go back you can see your own chart of depreciation

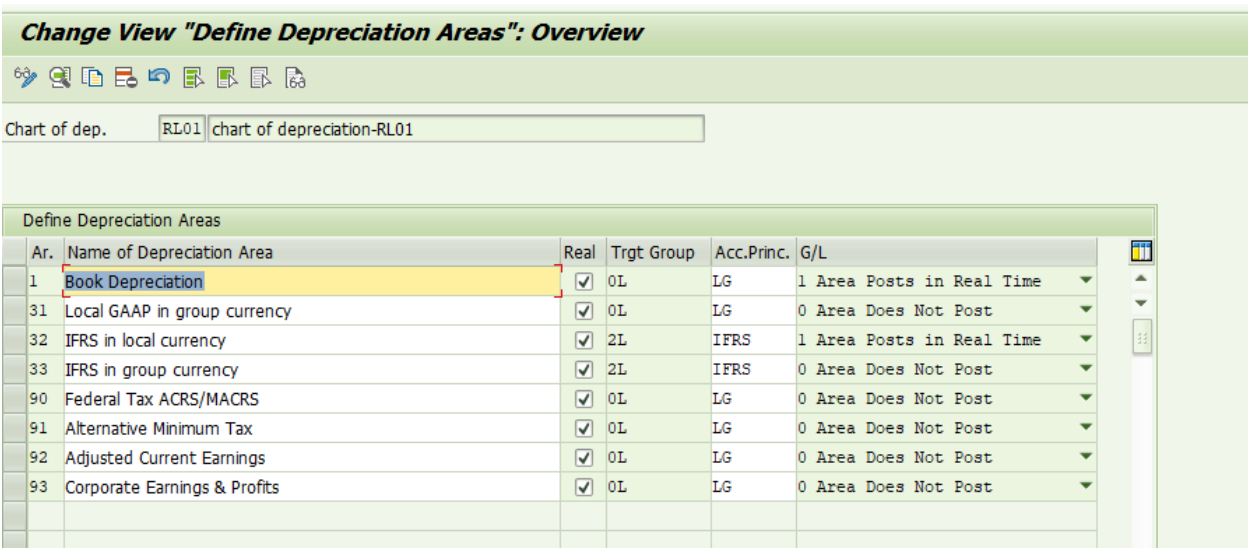




Now you can change the description



Now you can go to depreciation areas:



As you can see, some depreciation areas have already been defined. I just want to keep one of them.

Change View "Define Depreciation Areas": Details

Chart of dep. chart of depreciation-RL01

Depreciat. Area **Book Depreciation**

Define Depreciation Areas

Real Depreciation Area ☒

Accounting Principle Local GAAP

Target Ledger Group Ledger OL

Alternative Depreciation Area

Cross-Syst. Dep.Area

Posting in the General Ledger

☐ Area Does Not Post
☒ Area Posts in Real Time
☐ Area Posts Depreciation Only
☐ Area Posts APC Immediately, Depreciation Periodically

Value Maintenance

Acquisition Value

Net Book Value

Investment Grants

Revaluation

Ordinary Depreciat.

Here is specific configuration which is done for your chart of depreciation and you can change them.

Table name: T093B

T093B: Display of Entries Found

Search in Table Company code-related depreciation area specifications

Number of hits

Runtime Maximum no. of hits

CoCode	Ar.	Crcy	Rnd.	Memo Value	For Posting	Chnge.NBV	MaxLVA Pur	Halfper	Rndg	Cl.FY	DCy	Tran DP	FS Vers	445R	Grp. asset	Rounding Basis	Rounding Method	FV	Tolerance Ar
RL01	1	IRR		0.00	0.00	0.00	0.00			2019			INT						
RL01	2	IRR		0.00	0.00	0.00	0.00			2019			INT						

If you need any more depreciation area you can add them later based on your need.

I think the topic of each field is just obvious and no need for any further clarification.

Posting in the General Ledger

☐ Area Does Not Post

☒ Area Posts in Real Time

☐ Area Posts Depreciation Only

☐ Area Posts APC Immediately, Depreciation Periodically

Value Maintenance	
Acquisition Value	+ Only Positive Values or Zero Allowed
Net Book Value	+ Only Positive Values or Zero Allowed
Investment Grants	0 No Values Allowed
Revaluation	0 No Values Allowed
Ordinary Depreciat.	- Only Negative Values or Zero Allowed
Special Depr.	0 No Values Allowed
Unplanned Depreciat.	- Only Negative Values or Zero Allowed
Transfer of Reserves	0 No Values Allowed
Interest	0 No Values Allowed
Revaluation Ord.Dep.	0 No Values Allowed

However, there is one important thing

In ECC, Target ledger group was optional, however in SAP S4/HANA it is been grayed out and you cannot change it. It is been automatically defaulted based on the accounting principle you choose and of course it is not optional as well.

Now let's go to the accounting principle configuration:

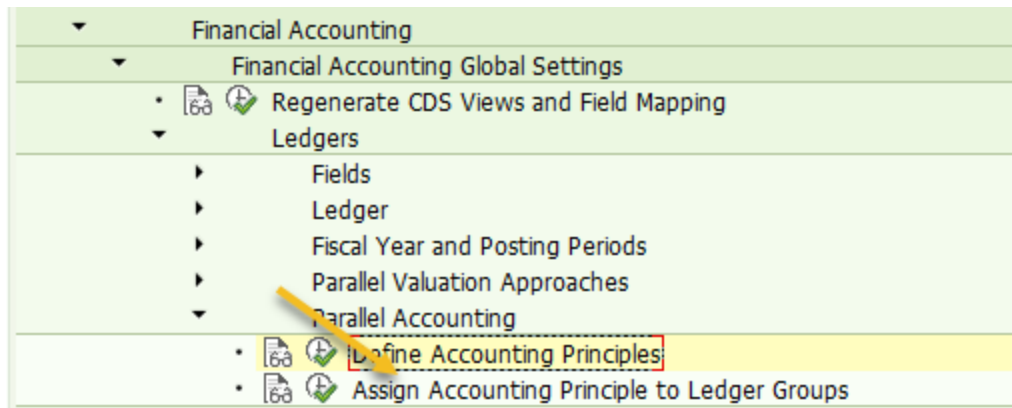
Financial Accounting

Financial Accounting Global Settings

- Regenerate CDS Views and Field Mapping
- ▼ Ledgers
 - ▶ Fields
 - ▶ Ledger
 - ▶ Fiscal Year and Posting Periods
 - ▶ Parallel Valuation Approaches
 - ▼ Parallel Accounting
 - Define Accounting Principles
 - Assign Accounting Principle to Ledger Groups

Change View "Accounting Principles": Overview	
New Entries	
Accounting Principles	
Ac...	Name/Description of Accounting Principle
60	IFRS / PI
GAAP	Generally Accepted Accounting Principles
IAS	International Accounting Standards
IFRS	International Financial Reporting Standards
LG	Local GAAP

In this step you just define a code and a description.



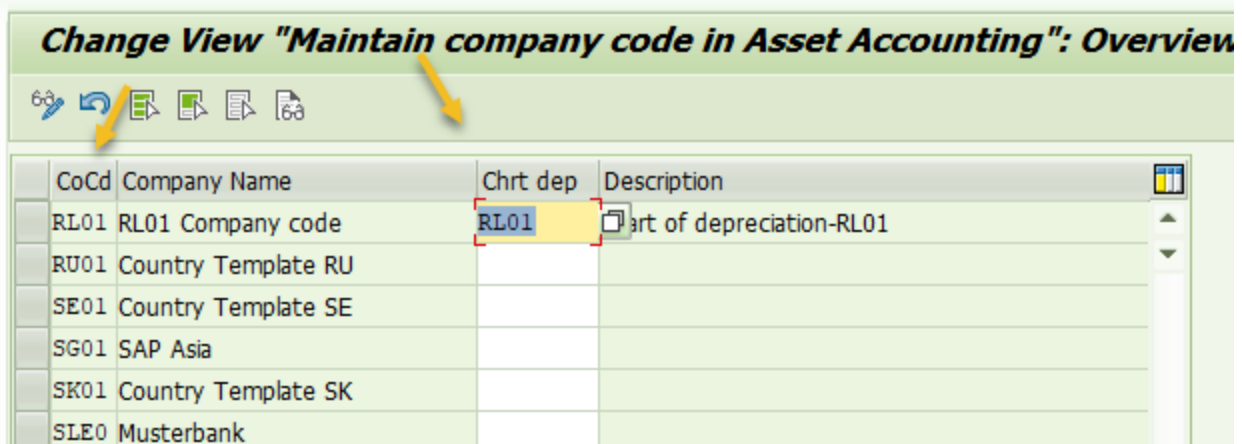
Change View "Assignment of Accounting Principle to Target Ledger Group"		
New Entries		
Assignment of Accounting Principle to Target Ledger Group		
Accountin...	Target Ledger G...	Description
60	PI	Ledger 0L
IFRS	2L	Ledger 2L
LG	0L	Ledger 0L

Therefore, you can assume that this accounting principle is a chain which connects our depreciation area to ledger group.

Now it is time to go for assigning this chart of depreciation to our company cod.

2-Assign Chart of Depreciation to Company Code

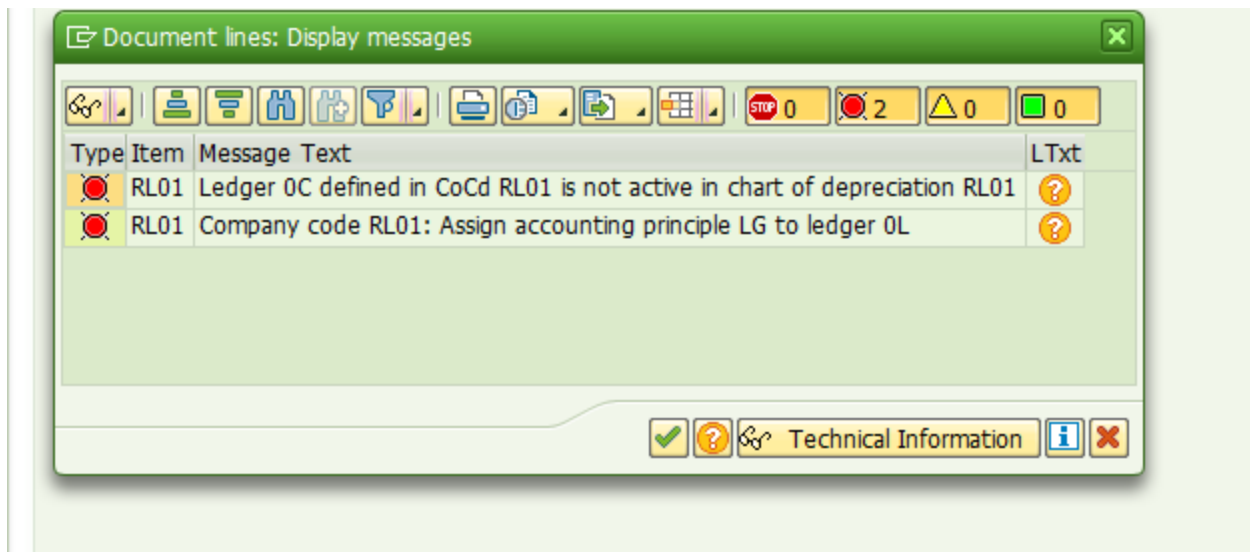
Change View "Maintain company code in Asset Accounting": Overview



CoCd	Company Name	Chrt dep	Description
RL01	RL01 Company code	RL01	part of depreciation-RL01
RU01	Country Template RU		
SE01	Country Template SE		
SG01	SAP Asia		
SK01	Country Template SK		
SLE0	Musterbank		

In addition, as you can see, if you followed the steps with me, you would get the same error.

Document lines: Display messages



Type	Item	Message Text	LTxt
✖	RL01	Ledger 0C defined in CoCd RL01 is not active in chart of depreciation RL01	?
✖	RL01	Company code RL01: Assign accounting principle LG to ledger 0L	?

Technical Information

What does it say:

Fist of all: in SAP S4/HANA you have to maintain depreciation area for each ledger which is existed in your company code. It is true in case of parallel currency as well.

(In ECC you won't get this error, you can define one depreciation area for local currency and leading ledger. There is no need to define depreciation area for group currency or non-leading ledgers.)

If you remember, we defined these ledgers in our company code:

Change View "Ledger": Overview						
New Entries All Table Views						
Dialog Structure						
<ul style="list-style-type: none"> Currency Types Global Currency Conversion Currency Conversion Set Ledger <ul style="list-style-type: none"> Company Code Settings <ul style="list-style-type: none"> Accounting Principle 						
Ledger						
Ledger	Ledger Name	Leading	Ledger Type	Extn. Ledger T...	Underlying Le	
0C	Management Accounting	<input type="checkbox"/>	Standard Ledger	P Predictio...		
0E	Commitment/Order Entry	<input type="checkbox"/>	A Extension Led...	P Predictio...	0C	
0L	Ledger 0L	<input checked="" type="checkbox"/>	Standard Ledger			
2L	Ledger 2L	<input type="checkbox"/>	Standard Ledger			

Now we need to define a depreciation area for ledger: 0C

Change View "Define Depreciation Areas": Overview						
Chart of dep. <input type="text" value="RL02"/> <input type="text" value="chart of depreciation-0C"/>						
Define Depreciation Areas						
Ar.	Name of Depreciation Area	Real	Trgt Group	Acc.Princ.	G/L	
1	Book Depreciation	<input checked="" type="checkbox"/>	0L	LG	1 Area Posts in Real Time	▼
2	Book Depreciation	<input checked="" type="checkbox"/>	0C	IRIF	1 Area Posts in Real Time	▼

I have defined two depreciation area: one for leading ledger and one for non-leading ledger.

As you can see the error is gone.

(Worth to mention that accounting principle are at the client level and it is not company code specific. Therefor any changes here can affect all company codes within a client)