

SAP S/4 HANA
Cloud Edition 1805
May 2018
English

Using the Organizational Structure App

Cookbook

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Using the Organizational Structure App

1 Purpose

The purpose of this document is to describe how the Organizational Structure app can be used in customer implementation projects.

You are planning to implement SAP software, namely SAP cloud solutions or SAP new baseline packages.

You have validated the delivered business processes already in a standard SAP S/4HANA system and are now planning to set up your own system to reflect your own business processes and requirements. For modelling your enterprise structure, you will use the Organizational Structure app to copy entities and relationships before activating any content. In other words, you are using the Organizational Structure app to either:

- define your organization structure and then activate the content data

Or

- you have been using an activated solution already and due to business requirements, you would like to enhance your enterprise structure using the Organizational Structure app, for example to add a new plant to your existing enterprise structure.

1.1 Target Audience

This document is intended for customers who intend to define the enterprise structure in an SAP S/4 HANA Cloud Edition environment.

1.2 Glossary

1.2.1 Organizational Structure App

This app creates organizational structure units in a flexible manner by copying existing organizational units.



Previously this app has also been referred to as FlexOrg tool.

1.2.2 Organizational Entities

The Organizational Structure app can create different entities by copying existing ones and the entity-dependent configuration in one step. The entities are often referred to by an abbreviation. The current entities that can be copied are:

Entity	Abbreviation
Company	CMP
Company Code	CCD
Plant	PLT
Purchasing organization	POR
Sales organization	SOR
Storage location	STL
Shipping point	SPT

Entity	Abbreviation
Distribution channel	DCH
Division	DIV
Sales office	SOF
Sales group	SGR
Distribution chain	SLC
Sales area	SLA
Personnel Area	PAR
Personnel Subarea	PSA
Internal Warehouse Number	WHN

Table 1: Organizational Structure app capabilities



For the SAP S/4HANA Professional Services and SAP S/4HANA Professional Services Cloud editions, Service Organizations are usually modelled instead of Sales Organizations. The Organizational Structure app does not currently support the creation of an entity **Service Organization**.

1.2.3 Country Versions

SAP Best Practices is delivered for several country versions. Each of these country versions has an assigned country code. This country code is a two-digit code, and is not to be confused with the ISO code.

Country Code	Country	ISO Code
10	Germany	DE
11	United Kingdom	GB
12	France	FR
13	China	CN
15	Japan	JP
17	USA	US
19	Sweden	SE
21	Hungary	HU
22	Switzerland	CH
23	Italy	IT
24	Spain	ES
25	Belgium	BE
29	Canada	CA
30	Australia	AU
33	United Arab Emirates	AE
37	Netherlands	NL

Country Code	Country	ISO Code
42	Ireland	IE
54	Malaysia	MY
58	Philippines	PH
61	Singapore	SG
62	Hong Kong	HK
63	Taiwan	TW
64	South Africa	ZA
69	New Zealand	NZ
7K	Luxembourg	LU

Table 2: Country Codes

Generally, this country code is included in the ID keys for the delivered standard entities.



The standard company code for the country version USA is delivered with ID key 1710.

1.2.4 SAP Activate Phases

SAP Activate offers a framework supporting the full lifecycle for running business and technology processes. The figure *SAP Activate Phases* shows the lifecycle for projects.

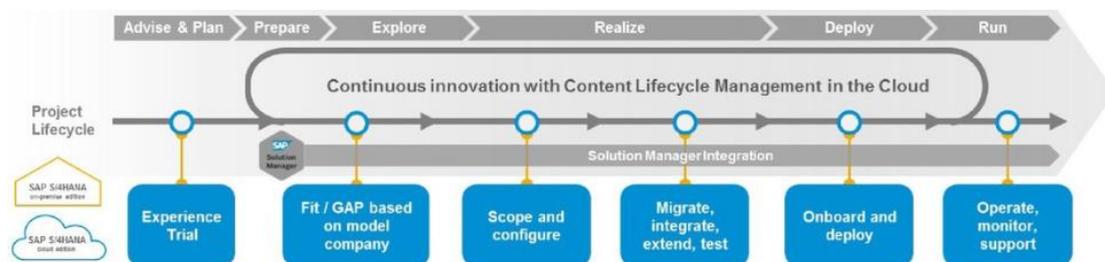


Figure 1: SAP Activate phases

You carry out initial definition of the organizational structure before data content activation in the implementation phase *Prepare* (also known as *Preset*).

After you have completed the initial activation of content data, you can use the Organizational Structure app to extend an organizational structure within any phase of the SAP Activate process.



For further information on SAP Activate, refer to <http://go.sap.com/services/s4hana-deployment.html>.

2 Introduction to the Organizational Structure App

2.1 Enterprise Structure

With the delivery of SAP Cloud Solutions as well as the delivery of the new SAP Best Practices Baseline packages, SAP has introduced a new tool which you must use for implementation projects in SAP S/4 HANA Cloud Editions.



The Organizational Structure app is not currently released for use in On Premise customer implementation projects.

You must use the Organizational Structure app to create an organizational structure, starting from using and extending the SAP S/4 HANA Best Practices reference content for the organizational structure that is provided for country version. This organizational structure is included in business processes that the customer may choose to use. Therefore, after the structure has been created, you should validate this by testing selected business processes, including using customer-specific master data.

Of course, during copying the keys can be named (personalized) per customer requirements.



You must always distinguish between key personalization and Organizational Structure app usage:

If a customer wants to use the enterprise structure provided by SAP, but wants to change the provided organizational unit key **only** in the Preset phase, this must be considered as key personalization. This is not the focus of this document!

If the enterprise structure provided by SAP is for some reason not sufficient and it must be enhanced (e.g. adding two more plants) you must use the Organizational Structure app here.

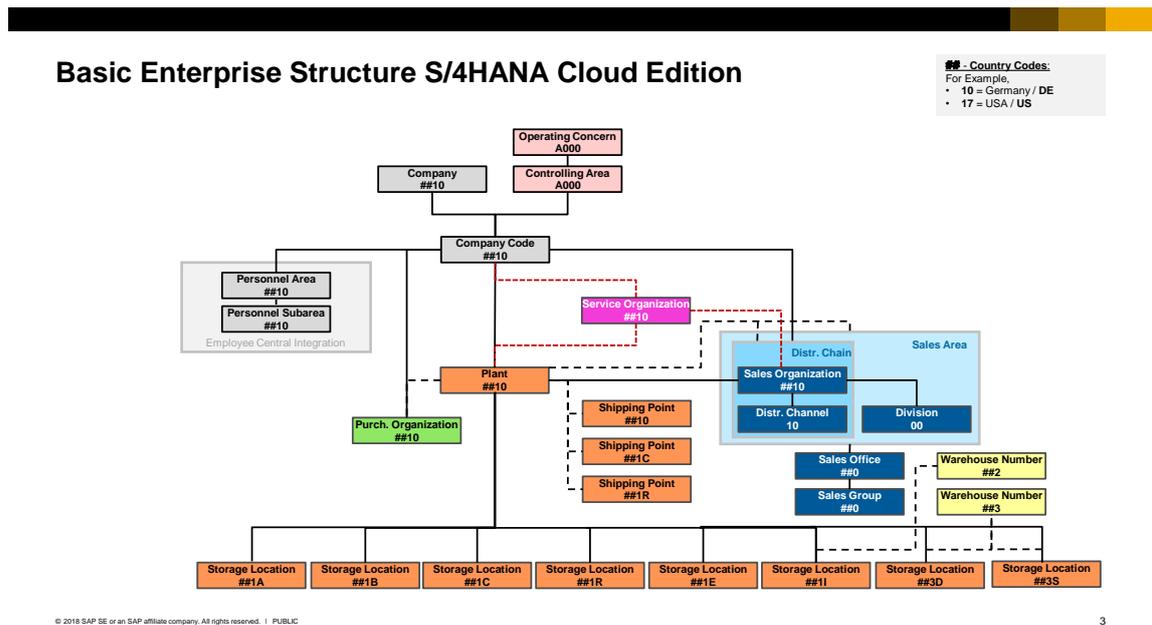


Figure 2: Basic Enterprise Structure

The diagram *Basic Enterprise Structure* illustrates the full organizational structure that is the basis for the Organizational Structure app. However, the Organizational Structure app does not provide the means to copy all entities that are included in the structure.



Within the SAP S/4HANA Cloud Edition, the entities

- **Operating Concern**
- **Controlling Area**

are defined globally and each are unique within the system. Therefore, although these entities have direct or indirect relationships to other entities (such as **Company Code** or **Sales Organization**), you cannot use the Organizational Structure app to copy these entities.

You cannot use the Organizational Structure app to copy the entity **Service Organization**.

The diagram *Basic Enterprise Structure with Organizational Structure App Coverage* shows which entities can be processed using the Organizational Structure app.



A comprehensive list of the entities that can be processed using the Organizational Structure app is provided in section [Organizational Entities](#).

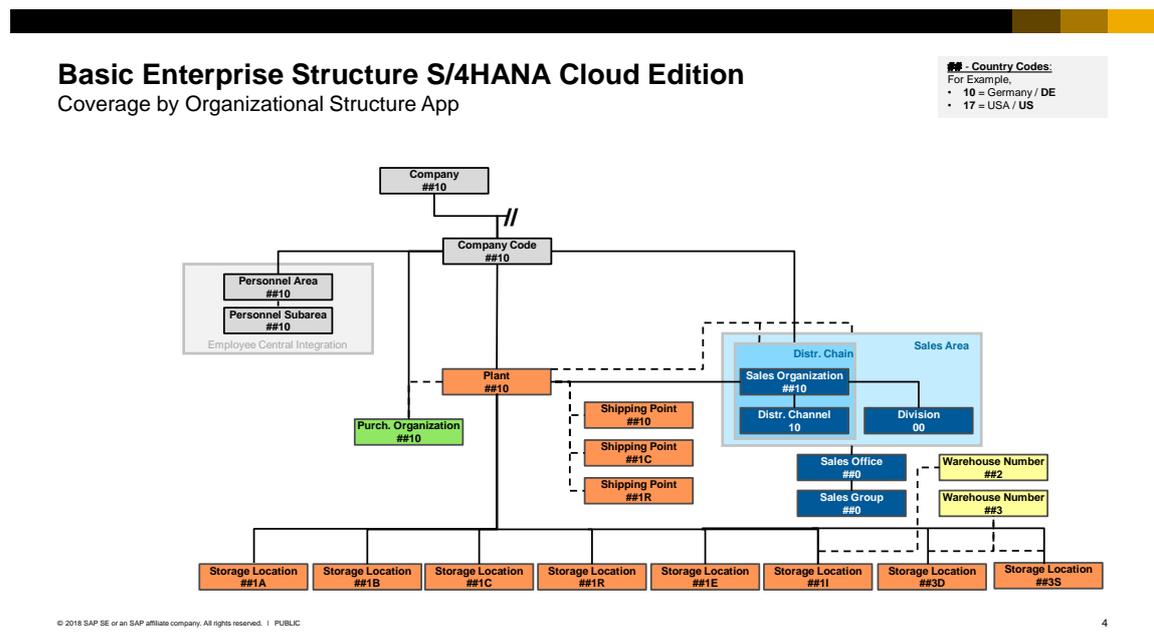


Figure 3: Basic Enterprise Structure with Organizational Structure App Coverage

The diagrams provide a graphical representation of the entities included in SAP solutions. However, they do not show the cardinality of the relationships between those entities. These relationships are necessary for the copy logic of the Organizational Structure app. This is provided with an enterprise model as illustrated in the diagram *Enterprise Model*.

Enterprise Model for Development

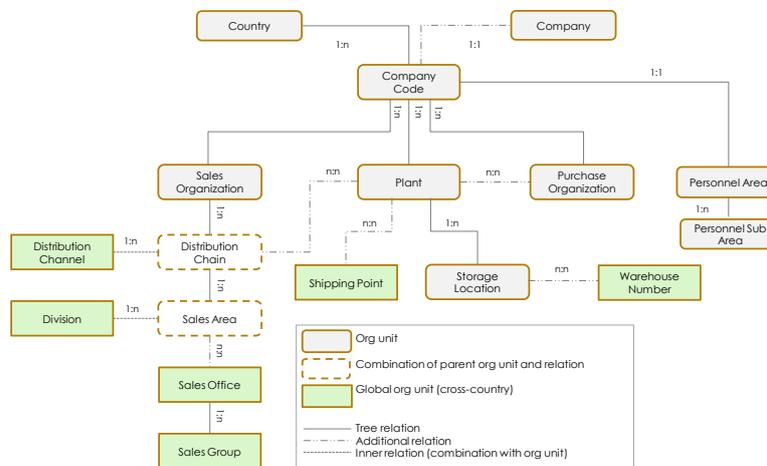


Figure 4: Enterprise Model

The highest node of the structure is **Country**. Although there is no direct assignment of the **Country** to an object, it represents the first level of the structure. The **Country** indicates which SAP S/4HANA localization is going to be used.



As the Organizational Structure app expects an enterprise structure to be read from the system, this tool can be used only for those localized versions available from SAP.

The bold lines between the entities stand for a parent-child relationship, for example, the entity **Country** is the parent of the entity **Company Code** (abbreviation CCD). The parent may have several children entities of one or more entity types; however, a child entity may have only one parent. The child entity may have additional relationships, which are represented by a dashed line, for example the relationship between **Company** and **Company Code**.



A **Company** is an organizational unit in Accounting which represents a business organization per the requirements of the commercial law in a country. Consolidation functions in financial accounting are based on **Companies**. For SAP S/4HANA Cloud Edition content, a **Company** can only comprise of one **Company Code**.

Beneath the **Company Code**, there are three different parent-child relationships which lead to the third level. On this level, you can find:

- **Sales Organization** (abbreviation **SOR**) for Sales & Distribution;
- **Plant** (abbreviation **PLT**) for site logistics;
- **Purchasing Organization** (abbreviation **POR**) for materials management.

Therefore, whenever a **Sales Organization**, a **Plant** or a **Purchasing Organization** are created by the Organizational Structure app, they are always automatically assigned to a **Company Code**. Furthermore, on this level you will also find

other, implied relationships that cannot be automatically assigned, represented by the dotted lines, for example, when you create a **Purchasing Organization** it is assigned to one or more **Plants** as well as to a **Company Code**.

The entities that are shown in yellow in the Figure 3 *Enterprise Model* are global entities, i.e. they can be assigned to entities in one or more **Company Code** in one or more **Country**. This contrasts with the grey-colored entities which have a country dependency. Global entities are also created with the tool and furthermore assignments to corresponding country-dependent entities is also achieved using the tool.

The grey-colored entities which have a red frame are combined types. These entities are combinations of other entities that have already been created:

- A **Distribution Chain** (abbreviation **SLC**) is a combination of a **Sales Organization** (abbreviation **SOR**) and a **Distribution Channel** (abbreviation **DCH**). The **Distribution Chain** is also assigned to a **Plant** (abbreviation **PLT**).
- A **Sales Area** (abbreviation **SLA**) is a combination of a **Sales Organization** (abbreviation **SOR**), a **Distribution Channel** (abbreviation **DCH**) and a **Division** (abbreviation **DIV**). The **Sales Area** is also assigned to a **Sales Office** (abbreviation **SOF**) and a **Distribution Chain**.

In addition to the above-mentioned entities which are relevant for logistics business processes, the entity **Personnel Area** (**PAR**) can be assigned to the **Company Code** for Human Capital Management processes. One **Personnel Subarea** (**PSA**) is assigned to each **Personnel Area**.

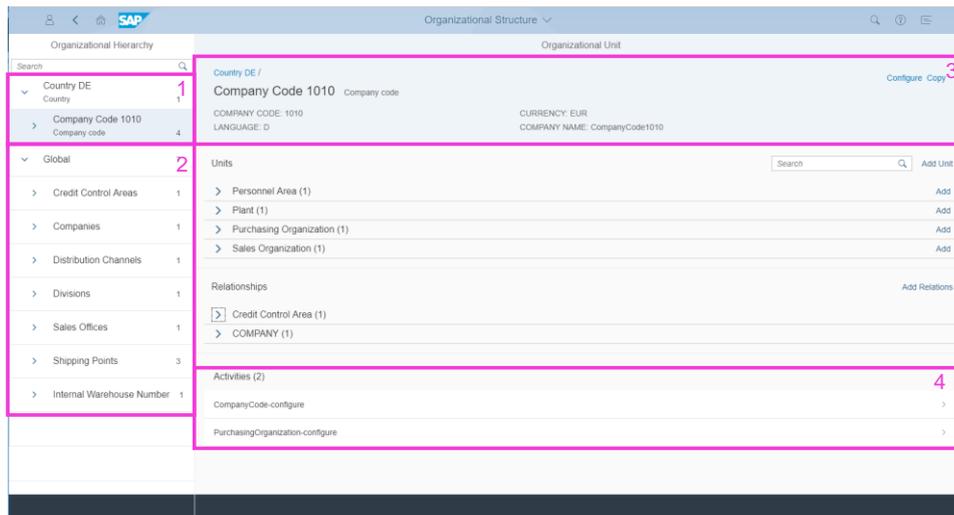
2.1.1 Cardinality of Relationships

Parent-child relationships have a 1:n cardinality, in other words a parent entity may have no-one or several children of each of the respective child organizational units, whereas the child organizational must have one parent.

Additional relationships have an n:n cardinality, in other words each of the organizational units for which an additional relationship is possible may have an additional relationship with no-one or several organizational units. The only exception is for the additional relationship between **Company** and **Company Code** where one **Company** may be assigned to either no- or one **Company Code**, and likewise one **Company Code** may be assigned to either no- or one **Company**.

2.2 Organization Structure in Organizational Structure App User Interface

Introducing the Organizational Structure App



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Figure 5: SAP Fiori screen for Organizational Structure app

The user interface shown in figure *SAP Fiori screen for Organizational Structure app* is the landing page for the app. This landing page is made up of four main components:

1. Local organizational entities
2. Global organizational entities
3. Header information
4. Relationships



For guidance on using the Organizational Structure app refer to section [Executing the Organizational Structure App](#).

2.2.1 Local Organizational Entities

Local organizational entities list those entities that are assigned to the defined country. The display hierarchy is based upon the defined enterprise structure as illustrated in figure *Enterprise Model*. The highest entity in this structure is **Country**. This position is required to copy the first-level entity **Company** and **Company Code**. If you select a **Company Code**, the hierarchy is displayed with the entities **Plant**, **Sales Organization**, **Purchasing Organization** and, if HCM is included in the scope selection, **Personnel Area**.

2.2.2 Global Organizational Entities

Global organizational entities can be assigned to enterprise structures in one or more countries. For example, a **Shipping Point** can be assigned to several **Plants**. These **Plants** can be in more than one **Country**.



Currently there are restrictions on the usage of global organizational entities in more than one country. For further information, see section [Using Shipping Point, Sales Office and Sales Group in More than One Country](#).

2.2.3 Header Information

Once you have selected an entity from the navigation tree the corresponding header information for this entity is displayed in the details section of the *Organizational Unit* screen. You can double-click on the provided link to get to the display and, if necessary, change further details of the selected entity, for example descriptions and addresses.

Further information and options for the entity that you have selected are displayed in the *Unit* section, directly below the header information, for instance displaying existing relationships or providing options to create new units within the organization structure.

2.2.4 Relationships

The section *Relationships* provides you with the option to define relationships between existing entities where this is not a unique relationship.

Additional Relationship between		Comments
Entity	Entity	
Company Code	Company	
Purchasing Organization	Plant	
Shipping Point	Plant	
Sales Area	Plant	This relationship is only relevant for inter-company billing
Sales Office	Sales Area	
Storage Location	Internal Warehouse Number	Scope dependent for Third-Party Warehouse Management System Integration [local]

Table 3: Additional Relationships

You can define the additional relationship in the detail screen of either of the involved entities. Once you have saved it, the additional relationship is visible in the section *Relationships* of either of the entities.



In the screen for **Plant** you can define relationships to

- **Purchasing Organizations**
- **Shipping Points**
- **Sales Area**

2.2.4.1 Relationship Distribution Chain to Plant

The additional relationship for assignment of distribution chain to plant is not included directly in the Organizational Structure app. Instead you can define this relationship in a dedicated Self-Service Configuration User Interface titled *Assign Sales Organization/Distribution Channel – Plant*. This is available as a configuration step within the *Organization* application area.



This Self-Service Configuration User Interface covers the additional relationship for all scenarios

- Within one company code

- For inter-company billing, both within a single country or across countries

2.2.5 Scope-Dependent Entities

Most standard organizational entities are created independent of scope by activities within building blocks

- J57 - Enterprise Structure [local]

and

- J47 – (Delta) Enterprise Structure [local].

However, a small number of entities are created in activities within other building blocks, per scoping selections. These organizational entities are:

Entity	ID Key	Description	Created in Building Block:	
			ID	Description
Shipping Point	<##>1C	Shipping Point <##>1C	BK4	Customer consignment [local]
Storage Location	<##>1E	KANBAN	BGX	Manufacturing with Kanban supply into production [local]
Storage Location	<##>1I	3rd Party WMS	26B	Third-Party Warehouse Management System Integration [local]
Storage Location	<##>3D	EWM Int ROD  Receiving On Dock	309	EWM Integration: Common Settings in SAP S/4HANA [local]
Storage Location	<##>3S	EWM Int AFS  Available for Sales	309	EWM Integration: Common Settings in SAP S/4HANA [local]
Personnel Area	<##>10	Region <##>10 (<ISO Code>)	11O	Human Capital Management – Base Settings Country Dependent [local]
Personnel Subarea	<##>10	Location 1	11O	EN Human Capital Management – Base Settings Country Dependent [local]
Internal Warehouse Number	<##>2	3rd Party WM Integration	26B	Third-Party Warehouse Management System Integration [local]
Warehouse Number	<##>3	EWM Warehouse Integration	309	EWM Integration: Common Settings in SAP S/4HANA [local]

Table 4: Scope-Dependent Entities



<##> denotes the country code, for example 17 for the country version USA.

3 Working with the Organizational Structure App

3.1 Prerequisites

3.1.1 Structure Mapping

You should map your current structure completely before using the Organizational Structure app to record this in your SAP S/4HANA system. This includes having a clear mapping of all relationships as defined within the enterprise model. Having a clear and comprehensive mapping of the complete structure will help you to avoid data inconsistencies and redundancies after content activation.



You can add entities and/or relationships after the initial structure extensions, either before initial content data activation or even afterwards within certain phases of the SAP Activate process. For further details see the section [Adding Further Organizational Structure Extensions](#).

3.1.1.1 Using the Organizational Data Overview Template

The Organizational Data Overview template provides a representation of the organizational structure of SAP S/4HANA Best Practices reference content. You can use this document to define your organizational structure hierarchy for all entities that are contained within the Organizational Structure app.



The template also provides a diagram illustrating the SAP S/4HANA Best Practices reference content that is delivered within a country version.

The template is included in the SAP Best Practices Explorer as the accelerator *Organizational data overview* in the following edition for [SAP S/4HANA Cloud](#):

- SAP Best Practices for SAP S/4HANA Cloud for Enterprise Management

The accelerator is published in the section *Implementation*.

3.1.2 Process Validation

You have validated the delivered business processes already in a standard SAP S/4HANA system.

3.1.3 Roles



Role administration for cloud environments should be carried out by the SAP Service Center.

To execute the Organizational Structure app, you must have the following business role assigned to your user:

Role	Description	Comment
SAP_BR_BPC_EXPERT	<i>Configuration Expert – Business Process Configuration</i>	

3.2 Executing the Organizational Structure App

To execute the Organizational Structure app, log onto the SAP Fiori Launchpad with a user to which the role *Configuration Expert* has been assigned.

In *Implementation Cockpit* choose the tile *Manage Your Solution*.



Figure 6: Implementation Cockpit

In the *Manage Your Solution* screen, choose *Configure Your Solution*.



Check the country version for which you are configuring the solution. This is listed in the text of the section S/4 HANA Guided configuration. If necessary, you can change the country version for configuration purposes by choosing the option *Set Country Version* in the screen footer.

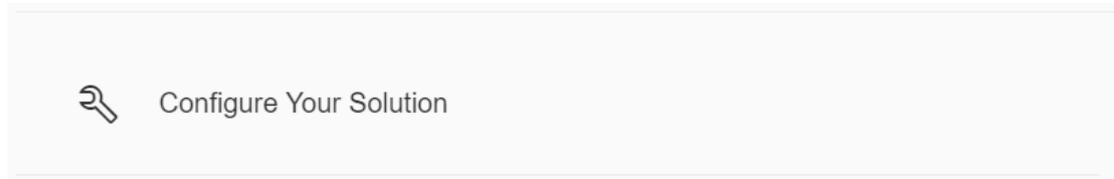


Figure 7: Manage Your Solution

In the *Configure Your Solution* screen, choose application area *Organization*. Then choose configuration item *Organization*.

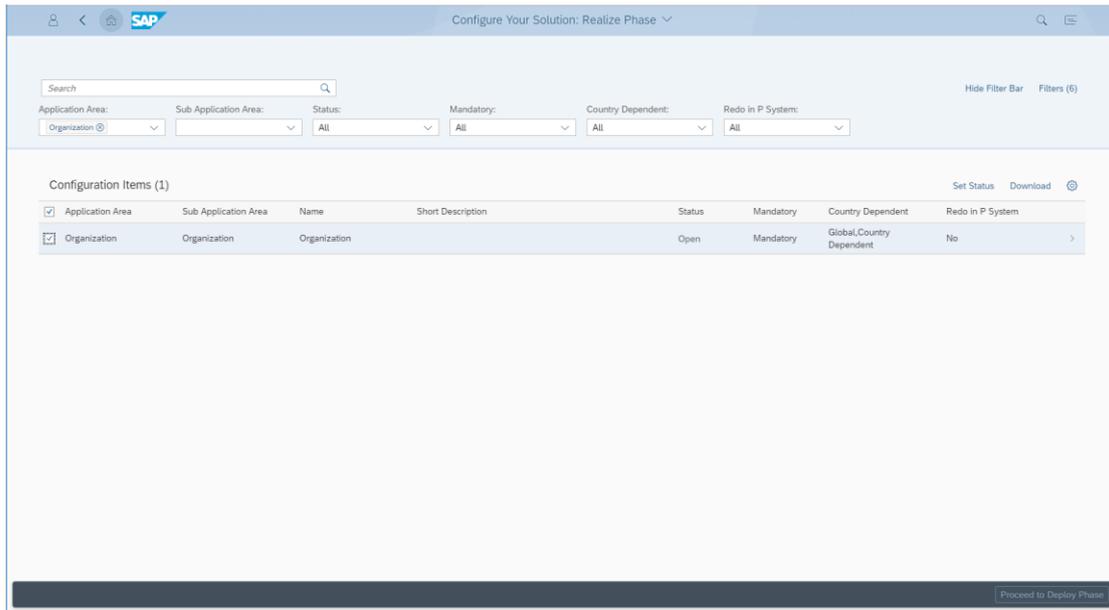


Figure 8: Configure Your Solution

On the screen *Configure Your Solution – Organization* screen, choose action *Configure* for configuration step *OrgStructure-configure*.

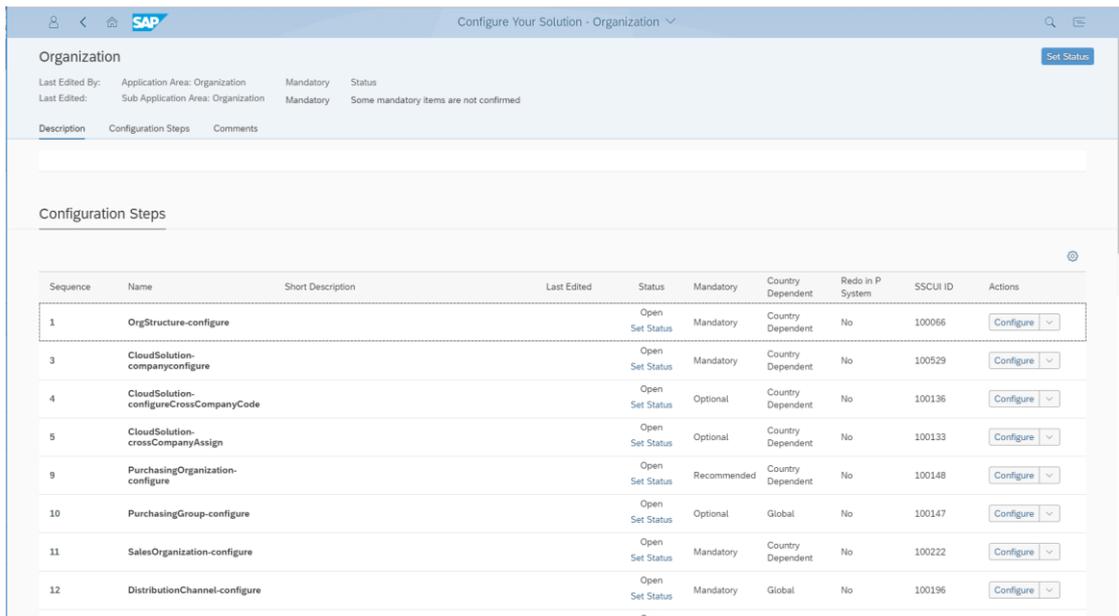


Figure 9: Configure Your Solution - Organization

In the *Configuration* screen, choose the option *Start*.

The Organizational Structure app is started, and you can start the extensions to the organizational structure per the structure mapping that you have already defined.

3.2.1 Copy Sequence

The Organizational Structure app does not require the entities and/or relationships to be created in a specific order.



A relationship between two entities can only be defined after both entities have been created.

However, experience has shown that a general 'top-down' approach, starting with the entities at the top of the organizational structure hierarchy can be recommended:

- Create **Company (CMP)**
- Create **Company Code (CCD)**
- Assign **Company Code (CCD)** to **Company (CMP)**
- Create **Plant (PLT)**
- Create **Purchasing Organization (POR)**
- Assign **Purchasing Organization (POR)** to **Plant (PLT)**
- Create **Sales Organization (SOR)**
- Create **Storage Location (STL)**
- Create **Shipping Point (SPT)**
- Assign **Shipping Point (SPT)** to **Plant (PLT)**
- Create **Distribution Channel (DCH)**
- Create **Division (DIV)**
- Create **Sales Office (SOF)**
- Create **Sales Group (SGR)**
- Create **Distribution Chain (SLC)**
- Create **Sales Area (SLA)**
- Assign **Sales Office (SOF)** to **Sales Area (SLA)**
- Assign **Plant (PLT)** to **Distribution Chain (SLC)**
- Create **Personnel Area (PAR)**
- Create **Personnel Subarea (PSA)**
- Create **Internal Warehouse Number (WHN)**
- Assign **Storage Location (STL)** to **Internal Warehouse Number (WHN)**

The process to be followed on the Organizational Structure app UI is very intuitive:

First, identify the location of the entity to be copied in the navigation tree. Then select the parent entity. Then choose *Add Unit* button (for creating an entity) or *Add Relationship* (for assigning an entity to another entity) on the right-hand side. Provide the target key ID (select the appropriate second entity for a relationship respectively) on the upcoming screen and confirm.



When you copy an organizational unit, you can use either the SAP Best Practices reference content or, alternatively, an organizational unit that you have already created within the Organizational Structure app.



Once you have created an entity using the Organizational Structure app, you can no longer delete it. You must ensure that you add a new entity at the correct position in your organizational structure.



You are adding a new plant to your organizational structure, which contains several company codes. Ensure that you are adding the new plant to the correct company code.

Each successful action is reported with a success message which you can open in the screen footer (see figure *Success messages in Organizational Structure app*)

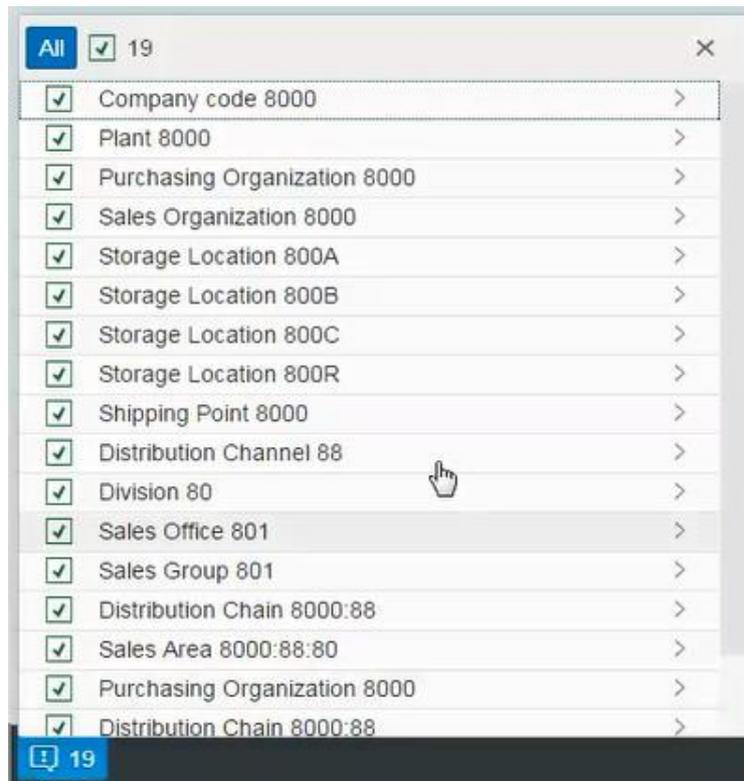


Figure 10: Success messages in Organizational Structure app

3.2.1.1 Extending Storage Locations

The standard SAP Best Practices content is delivered with two storage locations. Additionally, four further storage locations are generated in the content activation process.



For US country version, the storage locations 171A and 171B are delivered in the standard SAP Best Practices content. During content activation further storage locations are generated. Storage location 171E is used for Kanban, storage location 171I is used for Third-Party Warehouse Management System Integration, storage locations 173D and 173S are used for integration to SAP Extended Warehouse Management, and storage location 171R is used for returns.

You can use the first storage location, for example for US country version 171A, as the template from which to copy storage locations when making organizational structure extensions in the Organizational Structure app.

3.2.1.2 Creating a Cross-Company Code Purchasing Organization

The standard SAP Best Practices content is delivered with a purchasing organization that is assigned to a company code. In this case the purchasing organization can only have relationships defined for plants that are assigned to the same company code.

However, you can either

- edit the company code assignment to define a cross-company code purchasing organization;

or

- copy this purchasing organization and then edit the company code assignment for the newly created purchasing organization.

In either case, if you change the assignment to *None*, the purchasing organization is displayed under *Cross Company Code Purchasing Organization* in the *Global* section of the Organizational Hierarchy. A cross-company code purchasing organization can have relationships defined to any plant within the same country version.

You can edit the company code assignment of a purchasing organization at any point in time to define it either as

- assigned to a single company code dependent purchasing organization;

or

- a cross-company code purchasing organization.

Redefinition will not cause any inconsistencies.



If you re-define a purchasing organization to be assigned to a company code after it has had relationships defined to plants which are assigned to other company codes, the relationship is not removed. A warning message is displayed in the *Relationships* section of the details of the purchasing organization.

3.2.2 Configuring Entities

Within the Organizational Structure app, for most entities you can either click on the entity name or use the action to configure the entity, for example *SalesOrganization-configure*. This navigates to the Self-Service Configuration User Interface where you can change attributes for the entity.



Although you can navigate to the configuration user interface for an entity from the Organizational Structure app, this is not part of the Organizational Structure app itself and is not discussed in further detail in this document.

When you create a new entity after initial solution configuration, as soon as you copy an entity in the Organizational Structure app, the activation of the organizational structure solution is started immediately. Therefore, you must navigate to the corresponding Self Service Configuration User Interface to change the attributes, for example, the entity name, after the solution activation has already been triggered.

3.2.3 Personalizing Keys

A specific instance of entity configuration is the personalization of the ID keys of the entities that are included in an organizational structure. You can carry this out, either for the delivered SAP Practices content or for entities that you have created using the Organizational Structure app. However, you can only do this before initial content activation for the solution.



You can access this from the Organizational Structure app but as this activity is personalization rather than organizational structure extensions is not discussed further here.

3.2.4 Changing Names

You can change the names, in other words the description, of entities, either for the delivered SAP Practices content or for entities that you have created using the Organizational Structure app.



You can access this from the Organizational Structure app but as this activity is personalization rather than organizational structure extensions is not discussed further here.

3.2.5 Viewing the Organizational Structure Hierarchy

You can view the organizational structure as a hierarchical diagram. You can access the diagram from any organizational unit within the Organizational Structure app, by choosing the option *Open Hierarchical View*.

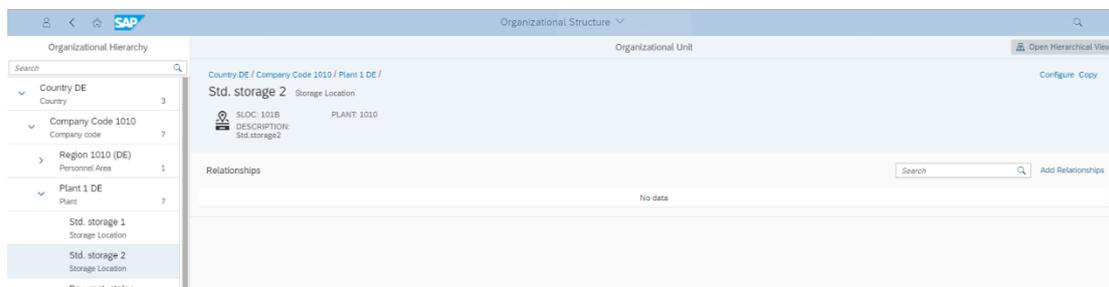


Figure 11: Open Hierarchical View

The hierarchical overview opens in a new tab. The overview shows the company codes that have been created for the country. You can open the structure diagram to show dependent organizational units.

Organizational units that have dependent organizational units are displayed with an exclamation mark to denote this.

The diagram also provides you with the option to display some basic details of any organizational that is displayed.

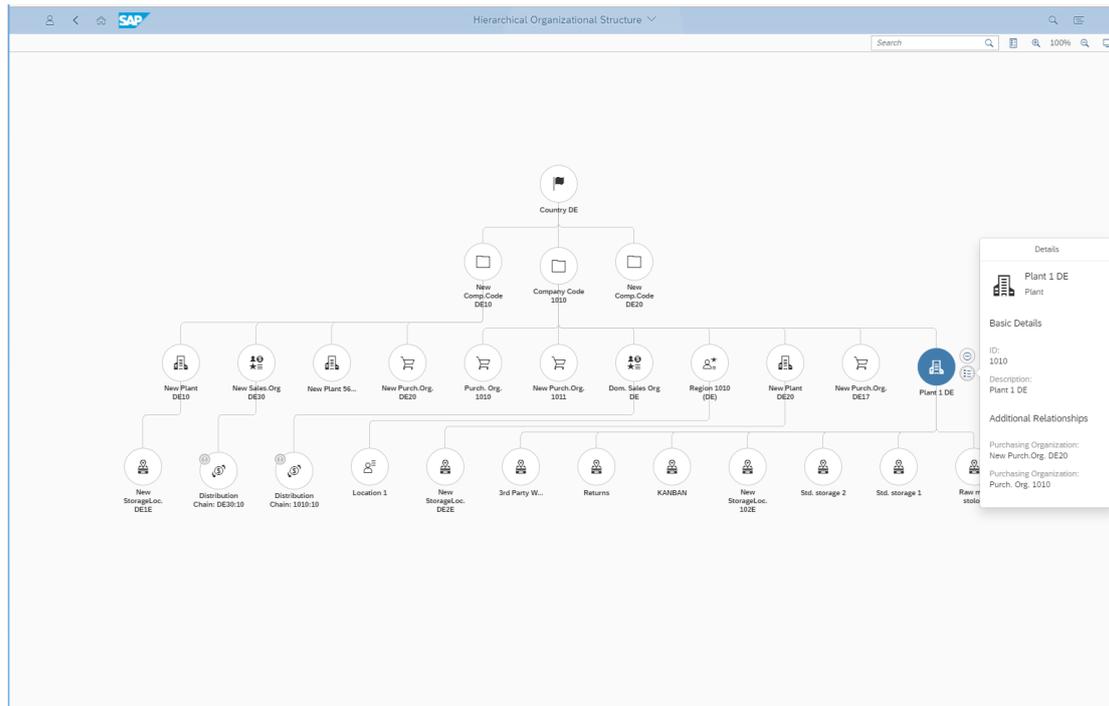


Figure 12: Hierarchical Organizational Structure



The diagram only shows dependent relationships. It does not display additional relationships nor organizational units that are included as *Global* in the Organizational Structure app.

You cannot use the diagram to copy organizational units or to navigate to fine tuning of the organizational units. You can do this directly from the Organizational Structure app.

3.3 Adding Further Organizational Structure Extensions

You can use the Organizational Structure app to add organizational units to your organizational structure in the

- Realize

phase within the SAP Activate process.

3.3.1 Adding Organizational Units in the Realize Phase

In the Realize phase you can use the Organizational Structure app to add organizational units to build up your initial organizational structure. Furthermore, in the Realize phase, you can also extend your organizational structure after the initial activation of your organizational structure.



Due to technical restrictions, you can only enter the additional relationship for a plant to a distribution chain in the Realize phase.

3.4 Master Data

The Organizational Structure app does not copy demo master data during the content activation process. It is the responsibility of the customer project to evaluate the master data that is required for the specific business processes in the customer-specific enterprise structure.

SAP does not currently plan to deliver (and adapt) any demo master data to run the preconfigured business processes (of SAP) in the customer-specific enterprise structure.



For further guidance, refer to the section [Copying Master Data](#).

3.5 Summary

The Organizational Structure app can create fifteen entities by copying preconfigured entities from SAP Best Practices reference content (see also graphic *Organizational Structure App Capability*). Furthermore, eleven business relevant assignments can be created.

The principal benefit that the Organizational Structure app provides is that it copies not only the entity itself, but it also

- creates the relevant assignments;
- creates the content for all scoped business processes for the new organizational entity.

Overall, by using the Organizational Structure app you can expect that the fully-configured business processes are available for you for the customer-specific organizational structure.

The Organizational Structure App

What is the Capability?

The Organizational Structure App can create 16 different entities and can carry out 6 business relevant assignments. 9 further assignments will be created implicitly during creation of the entities. One assignment can be created via a related WebGUI SSCUI.

CMP	SLC	CCD → CMP	SOF → SLA
CCD	DIV	POR → PLT	PLT → SLA
PLT	SLA	SPT → PLT	STL → WHN
POR	SOF		PLT → SLC <small>(WebGUI SSC-UI)</small>
SOR	SGR	(PLT → CCD)	(SLC → SOR)
SPT	PAR	(POR → CCD)	(SLA → SLC)
STL	PSA	(SOR → CCD)	(PAR → CCD)
DCH	WHN	(STL → PLT)	(PSA → PAR)
		(SGR → SOF)	

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Figure 12: Organizational Structure App Capability

4 Specific Business Processes

4.1 Inter-Company Processing

You can configure your organizational structure to support inter-company processing. This covers three aspects:

- Assign Sales Organization/Distribution Channel to Plant
- Assign Organizational Units to Plant
- Define Internal Customer Number by Sales Organization

4.1.1 Assign Sales Organization/Distribution Channel by Plant

You can define the additional relationship for assignment of distribution chain to plant for inter-company billing, both within a single country or across countries.



Further details on how you can define this relationship is available in the section [Relationship Distribution Chain to Plant](#).

4.1.2 Assign Organizational Units to Plant

This is the additional relationship between a sales area and a plant that are both assigned to the same company code. This is available as an additional relationship in either organizational unit within the Organizational Structure app.

4.1.3 Define Internal Customer Number by Sales Organization

This is included as the *Customer Number for Intercompany Billing* field in the *SalesOrganization-configure* Self-Service Configuration User Interface.

5 Recommendations

When you use the Organizational Structure app you must be aware of the following general restrictions.

5.1 Naming Convention in IDs

There is no technical restriction on IDs that you use for organizational units. However, SAP does recommend

- using alphanumeric ids
- avoiding the naming range used for reference content delivered with SAP Activate. In other word, avoiding ids that are numerical in the first character of the id.



You are defining your organization structure for Germany, starting with the delivered company code id 1010. If you copy this company code, SAP does not recommend copying this to id 1110, as this is the reference id for the delivered company code for the United Kingdom.



If you do create an organizational unit that shares an id with reference content that has not yet been activated, you will be able to use the id and the Organizational Structure app will dynamically re-allocate the id of the reference content. Your content will be created consistently and no problems will occur. However, this may potentially cause some later confusion.

5.2 Using Special Characters in IDs

You can only use alphanumeric characters in the IDs of organizational units. You cannot use special characters in the IDs of organizational units. This restriction is enforced by the user interface when you enter the ID for a new organizational unit in the Organizational Structure app.

The exception to this general restriction is for

- Shipping Point
- Storage Location

For these organizational unit types, you may include a dash, slash or period to designate sub areas from the second position in the ID.



You can specify a storage location with the value US-1, US/1 or US.1.

6 Restrictions

When you use the Organizational Structure app you must be aware of the following general restrictions.

6.1 Using Shipping Point, Sales Office and Sales

Group in More than One Country

Per the enterprise model (see the diagram *Enterprise Model* in the section [Enterprise Structure](#)), the entities

- Shipping Point
- Sales Office
- Sales Group

are global elements. In other words, one entity could be used in more than one country.



A shipping point <SHP1> is assigned to plant <DEP1> in Germany. Per the enterprise model, shipping point <SHP1>, could also be assigned to plant <FRP1> in France.

Currently, these elements are defined as being global; however, in practice they cannot be assigned to entities in more than one country within the Organizational Structure app.

6.2 Creating a New Plant Assigned to Existing Sales Organization and/or Purchasing Organization

If you use the Organizational Structure app to create a new plant, this plant will not have a relationship created to the sales organization and/or purchasing organization for which the original plant had relationships defined.

6.3 Unique IDs for Storage Locations

Within the SAP S/4HANA Cloud Edition each storage location must have a unique ID. Although a storage location is always assigned to a plant, the ID for the storage location must be unique across all plants within the client.

6.4 Copying Organizational Units with an Address

The following organizational units have an associated address:

- Company code
- Plant
- Sales organization
- Shipping point
- Storage location
- Sales office
- Personnel area.

When you copy one of these organizational units, you must ensure that a full and complete address has already been entered for the source organizational unit.

6.5 Organizational Structure App Not Relevant for SAP S/4HANA Marketing Cloud Edition

The S/4HANA Marketing Cloud Edition does not contain a full organizational hierarchy. Therefore, the Organizational Structure app is not relevant in this case. Do not attempt to use the app to copy organizational structure entities in this case.

7 Follow-Up Activities

7.1 Copying Master Data

No master data is copied during content activation. Therefore, before you execute any business processes you will need to extend the master data listed in the test script for a scope item per the customer-specific enterprise structure for the entity types listed in the test script.



The master data requirements for the scope item are listed in the section *Master Data, Organizational Data, and Other Data* of the respective test script.

Guidance on creating the relevant master data objects is provided in the master data scripts that are referenced in the test script.

7.1.1 Master Data for Logistics Scope Items

7.1.1.1 Customer

You need to extend the customer master data records for

- Company Code;
- Sales Area.



You can use the front-end SAP Fiori app *Maintain Business Partner*.

7.1.1.2 Supplier

You need to extend the supplier master data records for

- Company Code;
- Purchasing Organization.



You can use the front-end SAP Fiori app *Maintain Business Partner*.

7.1.1.3 Material

You need to extend the material master data records for

- Sales Organization;
- Distribution Channel;
- Plant;
- Storage Location.



You can use the front-end SAP Fiori app *Create Material*.

7.1.1.4 Manual Pricing Condition

You need to extend the manual pricing conditions for the extended materials and customers.

- Company Code;
- Purchasing Organization.



You cannot accomplish this using SAP Fiori front-end access. You need backend access to execute transaction *Create Condition* (transaction code VK11).

7.1.1.5 Bill of Materials (BOM)

You need to extend the BOM for all materials that are either material type Finished Product or Semifinished Product (except for material SG25).



You can use the front-end SAP Fiori app *Create Bill of Material*.

To complete the BOM creation, you must execute two further additional steps, which are also needed to be performed for each material:

- Routing creation



You can use the front-end SAP Fiori app *Create Routing*.

- Production Versions creation



You can use the front-end SAP Fiori app *Change Material*. In the app, use the view *Work Scheduling* or *MRP 4*.

7.1.1.6 Plant Maintenance

You need to extend the material master data records for all materials that are used for plant maintenance for

- Plant
- Storage Location

Additionally, you need to extend the equipment that is used for plant maintenance for company code.



To extend the equipment, you need backend access to execute transaction *Change Equipment* (transaction code IE02).

7.1.2 Master Data for Financials Scope Items

7.1.2.1 Cost Center/Cost Center Group

You need to extend the cost center and cost center group master data records for the company code.

7.1.2.2 Internal Order

You need to extend the internal order master data records for the company code.

7.1.2.3 Settlement Cycle

You need to extend the settlement cycle master data records for the company code.

7.1.2.4 Asset

You need to extend the asset master data records for the company code.

7.1.2.5 Bank Account

You need to extend the bank account master data records for the company code.

7.1.2.6 House Bank

You need to extend the house bank data records for the company code.

7.1.2.7 Profit Center

You need to extend the profit center master data records for the company code.

7.1.2.8 Settlement Rules

You need to extend the settlement rule records for the company code.