

Additional Configuration

The Intercompany Integration Solution for SAP Business One
Version 2.0 for SAP Business One 9.1



Welcome to the course on additional configuration tasks you can perform to fine-tune the use of the Intercompany Integration solution.

Topic Objective



At the end of this topic, you will be able to:

- Enhance the configuration of the process flow in the landscape of companies.

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- In this course, you will see how to enhance the configuration of the process flow in the landscape of companies.
- For more details refer the admin and the user guides.

Additional Settings

- Intercompany Integration solution offers the tools to customize the workflow between the companies in the landscape:
 - 1) Create custom templates for specific branch companies with the **Company Template Configurator**.
 - 2) With the **Global Data Distribution** option create predefined templates to replicate specific **global masters** to specific **branch companies** with:
 - Business partners
 - Items
 - Bill of materials
 - Price lists.

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- Intercompany Integration solution offers you the tools to customize the workflow between the companies in the landscape.
- First you can use the **Company Template Configurator** to determine the set of data replication definitions per business object and attach the appropriate set to a specific branch.
- Next, use the **Global Data Distribution** tool to create predefined data distribution templates that can be used to replicate **specific global** masters. That is: business partners, items, bill of materials, and price lists to specific branch companies.
- In the next slides we will go through the tools the system offers.

Company Template Configuration

Business Scenario



- OEC Computers has three branches in the US.
- By virtue of being the head office, the New York branch sets the standards for the other branches.
- The CEO wants to replicate most of the business objects that the New York branch issues but to eliminate some of the replication of the business objects added by the other branches.



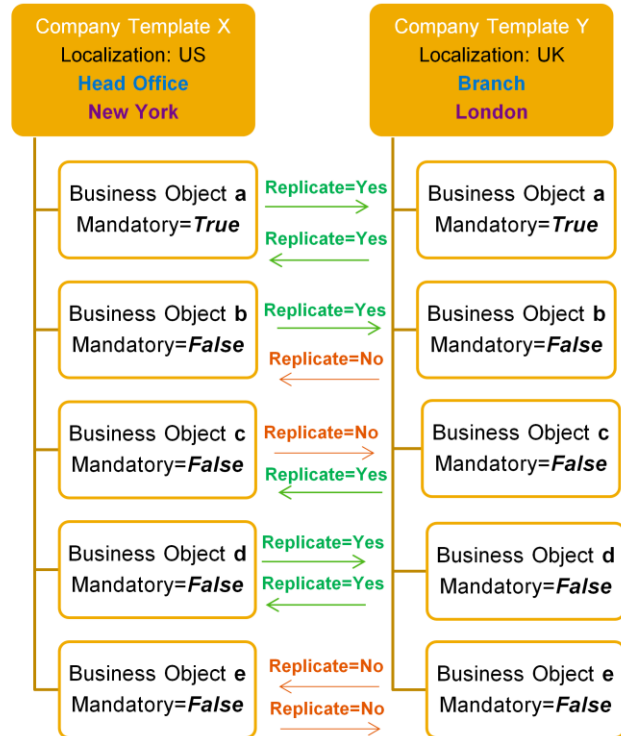
- You tell him about the Template Configuration tool.

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- We start with the Company Template Configurator.
- Let us look at a business example:
 - OEC Computers has three branches in the US: New York, California and Texas with New York as the head office.
 - All branches run SAP Business One and the Intercompany Integration solution to consolidate their business information.
 - To enable the working process between branch companies, the intercompany integration solution supports the replication of master data and transactions between companies.
 - The CEO tells you that by virtue of being the head office, the New York branch sets the standards for the other branches.
 - Therefore, he wants to replicate most of the business objects that the New York branch issues but to eliminate some of the replication of the business objects added by the other branches.
 - You tell him about the Template Configuration tool.

1. Company Template Configuration

- The Company Template Configurator sets:
 - Which business objects to replicate so that the other branches can use them.
 - Which replications to receive from the other branches.
- The system uses pre-defined company templates per localization.
- You can revise this default template and create your own customized company template.

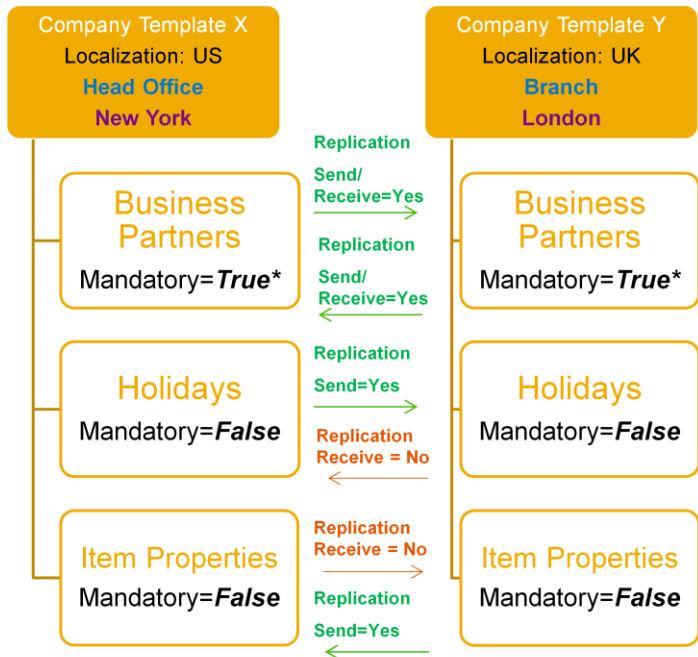


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- With this tool you configure a template that will set, for each branch company, which business objects to replicate so that the other branches can use them.
- You can also decide which replications to receive from the other branches.
- As default, the system uses pre-defined company templates per localization.
- With the company template configuration tool you can revise this default template and create your own customized company template.
- You can then assign the custom template to a specific branch company in the intercompany landscape.
- In the presented example, you can see that the New York branch has a US template defined for it and a UK template is defined for the London branch.
- Note that some business transactions and masters are mandatory for the intercompany business processes and therefore will always be replicated.
- For the non-mandatory business objects, you can decide to send or receive a particular business object in SAP Business One company.

1. Company Template Configuration

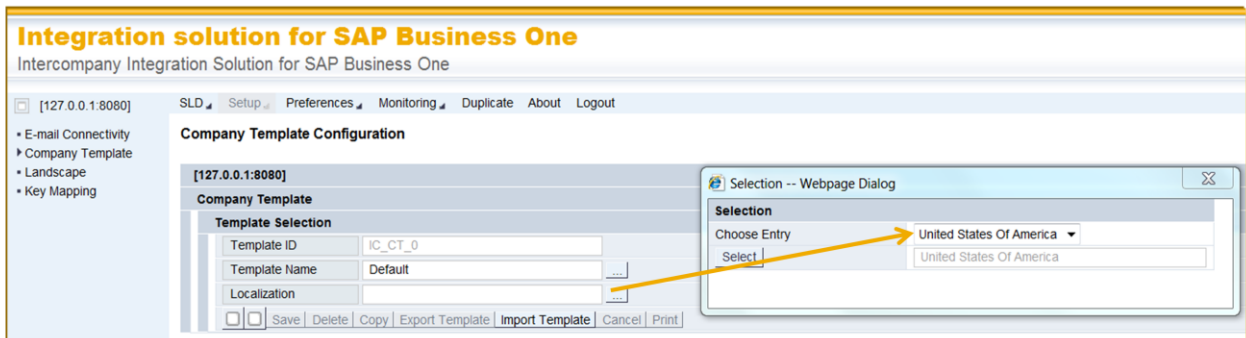
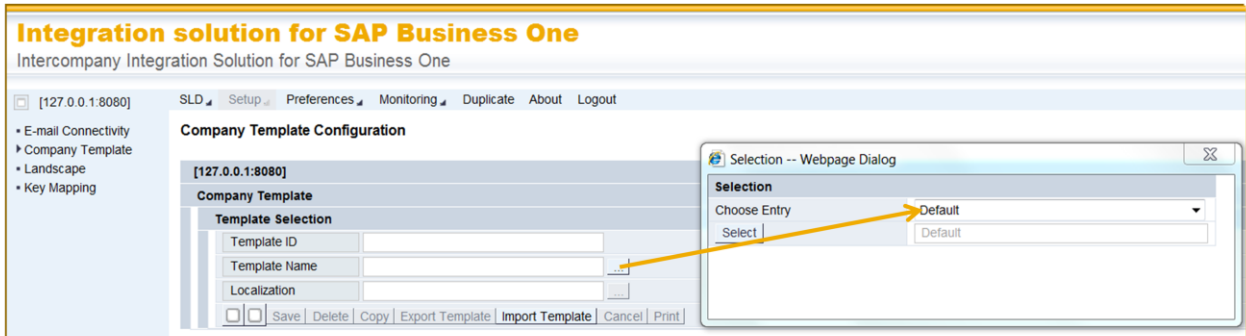
- The company template defines the data replication parameters for each business object.
- Business object:
 - Master data.
 - Business transaction.
- Mandatory business objects are always replicated.
- You can decide for non-mandatory business objects, whether to send or receive them.



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- The company template defines the data replication parameters for each business object in the intercompany integration solution.
- A business object would be a master data like the item master data. Or, it can be a business transaction like the A/R Invoice and the A/P Invoice.
- As some business transactions and masters are mandatory for the intercompany business processes they will always be replicated. For example the Business Partner Master Data record.
- For the non-mandatory business objects, you can decide whether to replicate a particular business object or not.
- In our example we see that although the New York branch is replicating the **Holidays** object, the UK branch does not have to receive this non-mandatory business object.
- Business transaction notifications alerts per business object can be configured to be received in the recipient companies.

1. Company Template Configuration



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- To customize the company template go to the *Administration Console*. In the top menu bar choose the *Setup* option.
- In the left frame, choose the *Company Template* option.
- The *Company Template Configuration* window is displayed.
- In the *Template Name* field, choose the *Browse* button.
- In the selection window, from the dropdown list in the *Choose Entry* field, select a default template and then choose the *Select* button.
- Then, in the *Localization* field, choose the *Browse* button.
- In the selection window, from the dropdown list in the *Choose Entry* field, select the company localization (in our example the US localization) and then choose the *Select* button.

1. Company Template Configuration

Integration solution for SAP Business One
Intercompany Integration Solution for SAP Business One

[127.0.0.1:8080] SLD Setup Preferences Monitoring Duplicate About Logout

• E-mail Connectivity
• Company Template
• Landscape
• Key Mapping

Company Template Configuration

[127.0.0.1:8080]

Company Template

Template Selection

Template ID: IC_CT_0
Template Name: Default
Localization: United States Of America

☐ Save ☐ Delete

Template Configuration

Replication Receiver Action Notification

Integration solution for SAP Business One
Intercompany Integration Solution for SAP Business One

[127.0.0.1:8080] SLD Setup Preferences Monitoring Duplicate About Logout

• E-mail Connectivity
• Company Template
• Landscape
• Key Mapping

Company Template Configuration

[127.0.0.1:8080]

Company Template

Template Selection

Template ID: IC_CT_2
Template Name: Copy_Of_Default_us_2
Localization: United States Of America

☐ Save ☐ Delete

Template Configuration

S.No	Master/Business Cycle	Receiver Property List	Replication		Receiver Action			Notification	
			Send	Receive	Add	Update	Delete	Success	Failure
1.	Account Classification	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
2.	Address Format	Receiver Property List	☐	☐	☐	☐	☐	☐	☐
3.	AP CreditMemo-AR CreditMemo	Receiver Property List	☒	☒	☒	☒	☒	☒	☒

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- To make a copy of the default template before making any changes to it, *choose the Copy button.*
- The application loads and displays the copy of the default template in the *Template Configuration* table.

1. Company Template Configuration

SLD Setup Preferences Monitoring Duplicate About Logout

Company Template Configuration

[127.0.0.1:8080]

Company Template

Template Selection

Template ID: IC CT 1

Template Name: Head Office Template

Localization: United States Of America

☐ Save ☐ Delete ☐ Copy ☐ Export Template ☐ Import Template ☐ Cancel ☐ Print

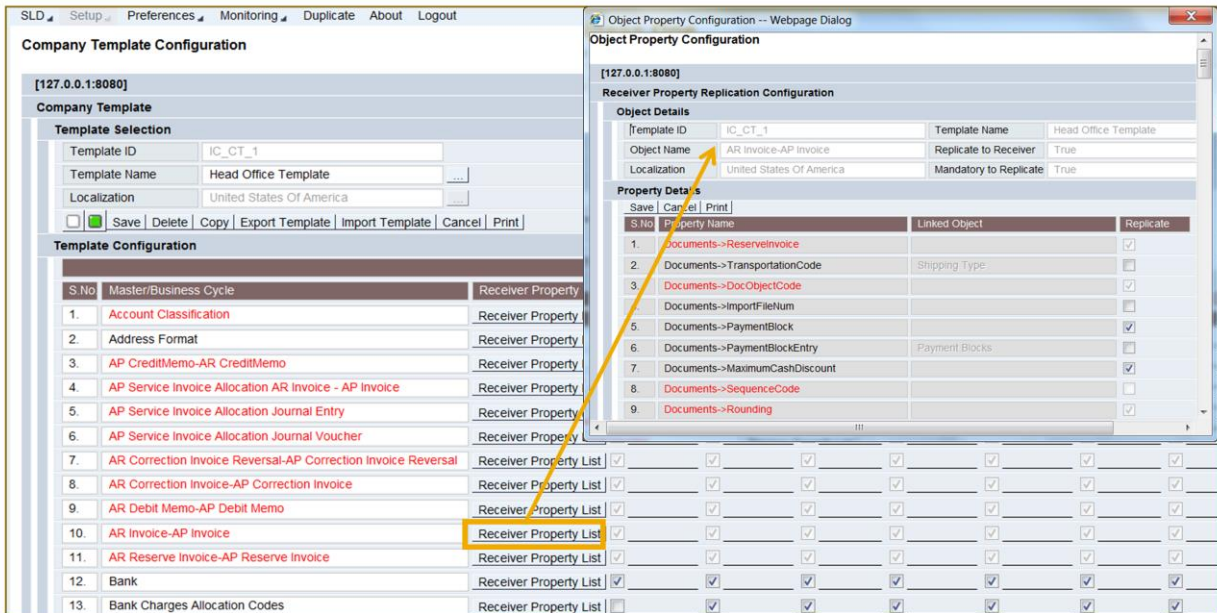
Template Configuration

S.No	Master/Business Cycle	Receiver Property List	Replication		Receiver Action			Notification	
			Send	Receive	Add	Update	Delete	Success	Failure
1.	Account Classification	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
2.	Address Format	Receiver Property List	☐	☐	☐	☐	☐	☐	☐
3.	AP CreditMemo-AR CreditMemo	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
4.	AP Service Invoice Allocation AR Invoice - AP Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
5.	AP Service Invoice Allocation Journal Entry	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
6.	AP Service Invoice Allocation Journal Voucher	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
7.	AR Correction Invoice Reversal-AP Correction Invoice Reversal	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
8.	AR Correction Invoice-AP Correction Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
9.	AR Debit Memo-AP Debit Memo	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
10.	AR Invoice-AP Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
11.	AR Reserve Invoice-AP Reserve Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
12.	Bank	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
13.	Bank Charges Allocation Codes	Receiver Property List	☐	☒	☒	☒	☒	☒	☒

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- Next, you should change the “copy of..” default template name to a meaningful name.
- The business objects that are mandatory for the intercompany business processes are presented in red in the company template.
- They are not editable and you cannot change their replication and actions definitions.
- You can customize the non-mandatory business objects.
- In the presented example you can see that according to the US customized template the **Bank** definition will be replicated.
- So in order to send the business object event from the SAP Business One company, in *Replication* column, select the *Send* checkbox.
- To receive this business object event from the other branch companies, in the *Replication* column, select the *Receive* checkbox.
- Note that when you select the *Receive* checkbox, the application automatically selects the *Receiver Action* and *Notification* field checkboxes. You can deselect the checkboxes if required.

1. Company Template Configuration



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- To configure the business object properties for replication, choose the *Receiver Property List* button.
- The *Object Property Configuration* window opens.
- In the example shown we configure the properties of the **A/R Invoice-A/P Invoice** business transaction.
- Mandatory properties are displayed in red color and cannot be changed.
- If you select a property for a sub-object such as the document lines of the document, the mandatory properties of the sub-object are automatically selected as well.
- If you select a property which is linked to an object, the linked object master is automatically selected as well.
- In our example, if you select the **Documents → TransportationCode** object, the **Shipping Type**, which is the linked object, will be selected too.
- Note that if you deselect a property which is linked to an object, the linked object master will not be automatically deselected. If you do not want to replicate the master, you must manually deselect the master in the Template Configuration table.
- Choose the **Save** button to save the object properties.

1. Company Template Configuration

SLD Setup Preferences Monitoring Duplicate About Logout

Company Template Configuration

[127.0.0.1:8080]

Company Template

Template

Template

Template

Localization

Save Delete Copy Export Template Import Template Cancel Print

Template Configuration

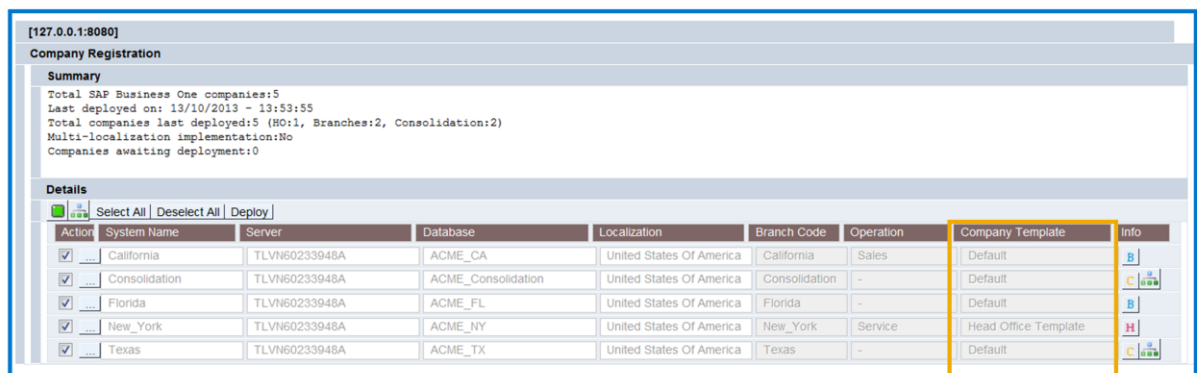
Cycle	Receiver Property List	Replication		Receiver Action			Notification	
		Send	Receive	Add	Update	Delete	Success	Failure
1. AP CreditMemo-AR CreditMemo	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
2. AP Service Invoice Allocation AR Invoice - AP Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
3. AP Service Invoice Allocation Journal Entry	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
4. AP Service Invoice Allocation Journal Voucher	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
5. AR Correction Invoice Reversal-AP Correction Invoice Reversal	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
6. AR Correction Invoice-AP Correction Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
7. AR Debit Memo-AP Debit Memo	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
8. AR Invoice-AP Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
9. AR Reserve Invoice-AP Reserve Invoice	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
10. Bank	Receiver Property List	☒	☒	☒	☒	☒	☒	☒
11. Bank Charges Allocation Codes	Receiver Property List	☒	☒	☒	☒	☒	☒	☒

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- The Company Template Configurator enables you to export, import, copy, delete and print company templates.
- Choose the *Configuration Status* button to check the status of the template. If you have configured the properties, the icon turns green.
- To check the consistency of the template, choose the *Consistency Check* button.
- Choose the *Save* button to save the template.

1. Company Template Configuration

- Once you have finished to design the template, you can assign it to a company in the company landscape.



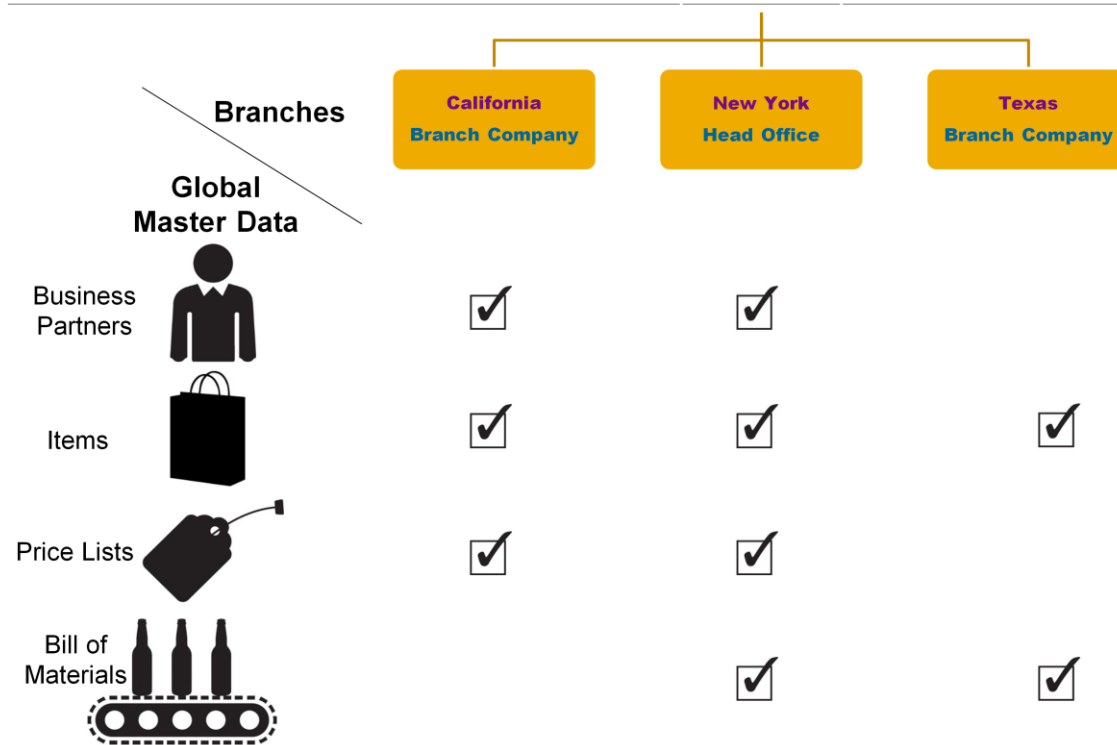
The screenshot shows the SAP Company Registration interface. At the top, there is a status bar with the text "[127.0.0.1:8080]". Below it, the "Company Registration" section is visible. Under "Summary", the following information is displayed: "Total SAP Business One companies:5", "Last deployed on: 13/10/2013 - 13:53:55", "Total companies last deployed:5 (HO:1, Branches:2, Consolidation:2)", "Multi-localization implementation:No", and "Companies awaiting deployment:0". Below the summary, the "Details" section contains a table with columns: Action, System Name, Server, Database, Localization, Branch Code, Operation, Company Template, and Info. The table lists five entries: California, Consolidation, Florida, New_York, and Texas. The "Company Template" column for each entry is highlighted with a yellow box. The values in this column are "Default", "Default", "Default", "Head Office Template", and "Default" respectively. The "Info" column contains icons for each entry.

Action	System Name	Server	Database	Localization	Branch Code	Operation	Company Template	Info
☒	California	TLVN60233948A	ACME_CA	United States Of America	California	Sales	Default	B
☒	Consolidation	TLVN60233948A	ACME_Consolidation	United States Of America	Consolidation	-	Default	C
☒	Florida	TLVN60233948A	ACME_FL	United States Of America	Florida	-	Default	B
☒	New_York	TLVN60233948A	ACME_NY	United States Of America	New_York	Service	Head Office Template	H
☒	Texas	TLVN60233948A	ACME_TX	United States Of America	Texas	-	Default	C

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- After you choose the Save button, the application displays the *Linked Object and Properties Configuration Results* window including the summary of the changes made.
- Once you have finished designing the template, you can assign it to a company in the company landscape.
- Remember that each template is assigned to one localization. So it is very likely that you will assign the same template to the branches located at the same localization.
- Refer to the Admin guide for more information.

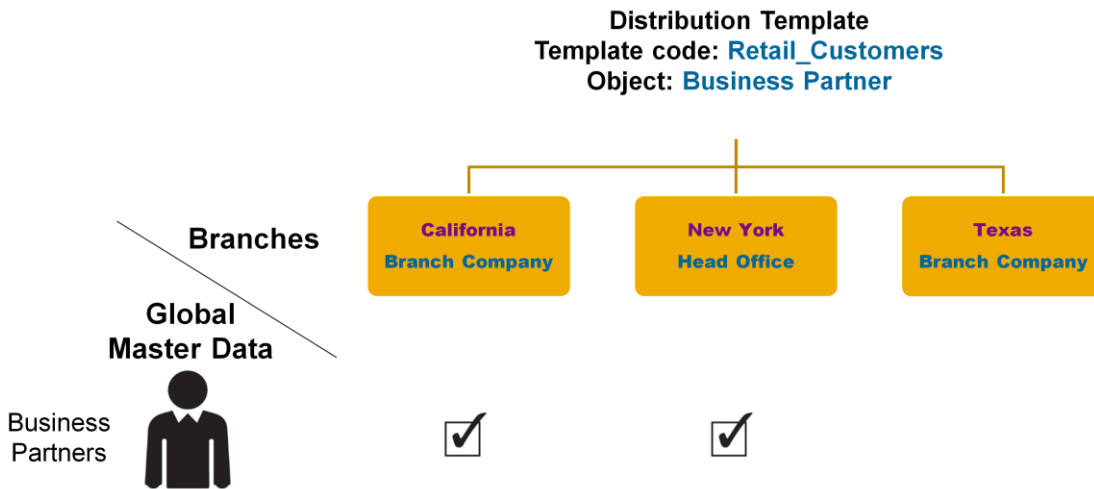
2. Global Data Distribution Template



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- The global data distribution template defines a custom recipient list for master data replication.
- In the *Global Data Distribution Template* window, you can select the branches to which you want to replicate the following **global masters**:
 - Business partner master data
 - Item master data
 - Bill of materials
 - Price lists
- The term **Global** here refers to the option in the intercompany solution that enables you to replicate master data across branch companies.
- Note that the data distribution template always supersedes standard recipient lists during the replication cycle.
- Also note that when you upgrade to the Intercompany integration solution version 2.0 for SAP Business One, the application creates a default distribution template with all branch codes selected; this template is automatically assigned to existing global business partners, items, bill of materials, and price lists.

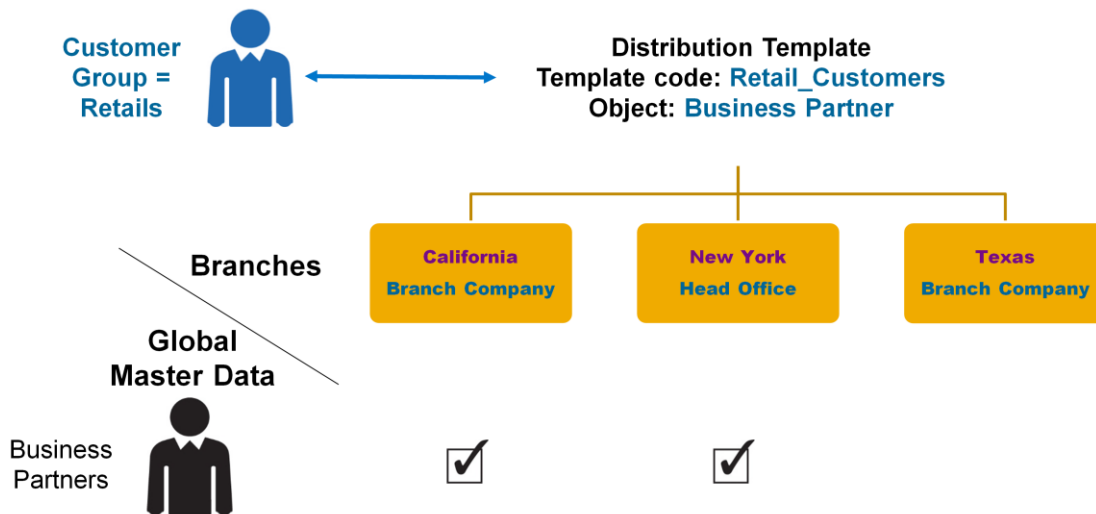
2. Global Data Distribution Template



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- To define a global data distribution template use the menu path: *Administration* → *Setup* → *Intercompany* → *Global Data Distribution*.
- In the *Template Code* field enter a unique code containing up to 20 characters. We recommend that you choose a code that will be meaningful and useful to users.
- In the example shown we use the template code: **Retail_Customers**.
- Then, from the dropdown list, select **one** object: Item, Business Partner, Bill of Materials, or Price List. In this example we define a template for business partners.
- And finally, from the branches list select the checkbox next to the branches in which you want to replicate the data.
- In our example, we select the **California** branch and the **New York** head office branch.
- We do not want to replicate global retail customers to the **Texas** branch since this is the manufacturer branch.
- Note that when you add a global data distribution template in one branch company, the system replicates it to the other branch companies.

2. Global Data Distribution Template



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- After you add a distribution template with a Business Partner or an Item object type, you can assign it to a business partner group or to an item group.
- In our case, we assign the **Retail Customers** template to the **Retails** customer group.
- If a template is assigned to an item group or a business partner group and the user creates new global master data related to this group, then the template is automatically assigned to this master data.
- So every global customer you create and assign to the **Retails** customer group will have the **Retail_Customers** distribution template defined for it.
- This customer will be replicated to the branch companies defined in the distribution template. That is to the California and New York branches.
- You can also assign a distribution template to a type of master data:
 - Business partner master data
 - Item master data
 - Bill of materials
 - Or, price lists

- **Note** that if you do not assign a distribution template code, the global master will replicate to all branch companies.
- And, you will not be able to apply the distribution template code later.
- Remember that if the master data contains a group that has been assigned to a distribution template, the template code is automatically populated in this master data; however, you can change the template code before adding the global master data.