

## Managing the intercompany landscape

The Intercompany integration solution for SAP Business One enables businesses running SAP Business One to manage Intercompany transactions for multiple companies by automatically replicating corresponding transactions across multiple company databases. Automating the replication of such transactions significantly reduces the amount of end-user effort needed to maintain Intercompany trading financial statements.

It is important for the user to configure and setup the intercompany landscape accurately. The landscape available in the administration console allows a user to setup and configure all the branch and consolidation companies that need to be used in Intercompany Integration Solution.

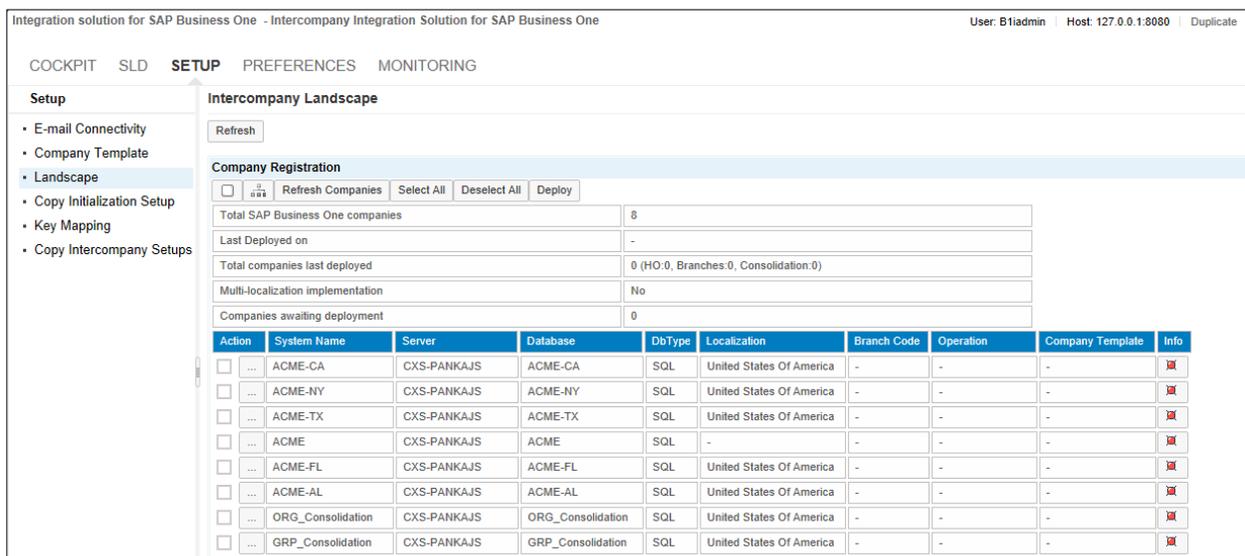
In this blog, we are covering following broad sections on intercompany landscape:

1. Setting up the Intercompany Landscape
  - a. Definition of Branch Codes
  - b. Definition of Company Template
  - c. Definition of Company Type
  - d. Definition of company operations – service, sales, etc.
  - e. Definition of consolidation hierarchy
2. Intercompany Solution Deployment
3. Adding a new branch company in the intercompany landscape
4. Removing a company from the Intercompany landscape

## Setting up the Intercompany Landscape

To set up the Intercompany Landscape, follow the steps below:

1. In the Intercompany Administration Console, in the top menu bar, choose the **Setup** option.
2. In the left frame, choose the **Landscape** option.  
The intercompany Landscape page appears.



Integration solution for SAP Business One - Intercompany Integration Solution for SAP Business One User: B1admin Host: 127.0.0.1:8080 Duplicate

COCKPIT SLD **SETUP** PREFERENCES MONITORING

**Setup**

- E-mail Connectivity
- Company Template
- **Landscape**
- Copy Initialization Setup
- Key Mapping
- Copy Intercompany Setups

**Intercompany Landscape**

Refresh

**Company Registration**

Refresh Companies Select All Deselect All Deploy

Total SAP Business One companies	8
Last Deployed on	-
Total companies last deployed	0 (HO:0, Branches:0, Consolidation:0)
Multi-localization implementation	No
Companies awaiting deployment	0

Action	System Name	Server	Database	DbType	Localization	Branch Code	Operation	Company Template	Info
<input type="checkbox"/>	ACME-CA	CXS-PANKAJS	ACME-CA	SQL	United States Of America	-	-	-	
<input type="checkbox"/>	ACME-NY	CXS-PANKAJS	ACME-NY	SQL	United States Of America	-	-	-	
<input type="checkbox"/>	ACME-TX	CXS-PANKAJS	ACME-TX	SQL	United States Of America	-	-	-	
<input type="checkbox"/>	ACME	CXS-PANKAJS	ACME	SQL	-	-	-	-	
<input type="checkbox"/>	ACME-FL	CXS-PANKAJS	ACME-FL	SQL	United States Of America	-	-	-	
<input type="checkbox"/>	ACME-AL	CXS-PANKAJS	ACME-AL	SQL	United States Of America	-	-	-	
<input type="checkbox"/>	ORG_Consolidation	CXS-PANKAJS	ORG_Consolidation	SQL	United States Of America	-	-	-	
<input type="checkbox"/>	GRP_Consolidation	CXS-PANKAJS	GRP_Consolidation	SQL	United States Of America	-	-	-	

- Choose the **Refresh Companies** button to refresh all selected companies' details. This will load the company's localization and company's local currency information.  
**Note:** In case there has been a change in **Local** Currency or **System** Currency for any participating branch company, you must choose the **Refresh Companies** button to pull the latest information from the branch companies.
- On the **Intercompany Landscape** page, in the **Company Registration** table, select the checkbox next the systems that you want to register in the Intercompany integration solution.

Intercompany Landscape

Refresh

**Company Registration**

Refresh Companies Select All Deselect All Deploy

Total SAP Business One companies: 8

Last Deployed on: -

Total companies last deployed: 0 (HO:0, Branches:0, Consolidation:0)

Multi-localization implementation: No

Companies awaiting deployment: 7

Action	System Name	Server	Database	DbType	Localization	Branch Code	Operation	Company Template	Info
<input checked="" type="checkbox"/>	ACME-CA	CXS-PANKAJS	ACME-CA	SQL	United States Of America	-	-	Default	
<input checked="" type="checkbox"/>	ACME-NY	CXS-PANKAJS	ACME-NY	SQL	United States Of America	-	-	Default	
<input checked="" type="checkbox"/>	ACME-TX	CXS-PANKAJS	ACME-TX	SQL	United States Of America	-	-	Default	
<input type="checkbox"/>	ACME	CXS-PANKAJS	ACME	SQL	-	-	-	-	
<input checked="" type="checkbox"/>	ACME-FL	CXS-PANKAJS	ACME-FL	SQL	United States Of America	-	-	Default	
<input checked="" type="checkbox"/>	ACME-AL	CXS-PANKAJS	ACME-AL	SQL	United States Of America	-	-	Default	
<input checked="" type="checkbox"/>	ORG_Consolidation	CXS-PANKAJS	ORG_Consolidation	SQL	United States Of America	-	-	Default	
<input checked="" type="checkbox"/>	GRP_Consolidation	CXS-PANKAJS	GRP_Consolidation	SQL	United States Of America	-	-	Default	

- For each system you have selected, in the **Action** field, choose the (...) (Browse) button. Our recommendation is to start with the higher level of Consolidation Company.
- The **Company Details** window will be displayed.

**Company Details**

Save Cancel Refresh Company

Branch Code:

Company Template: Default

Company Type:

Operation:

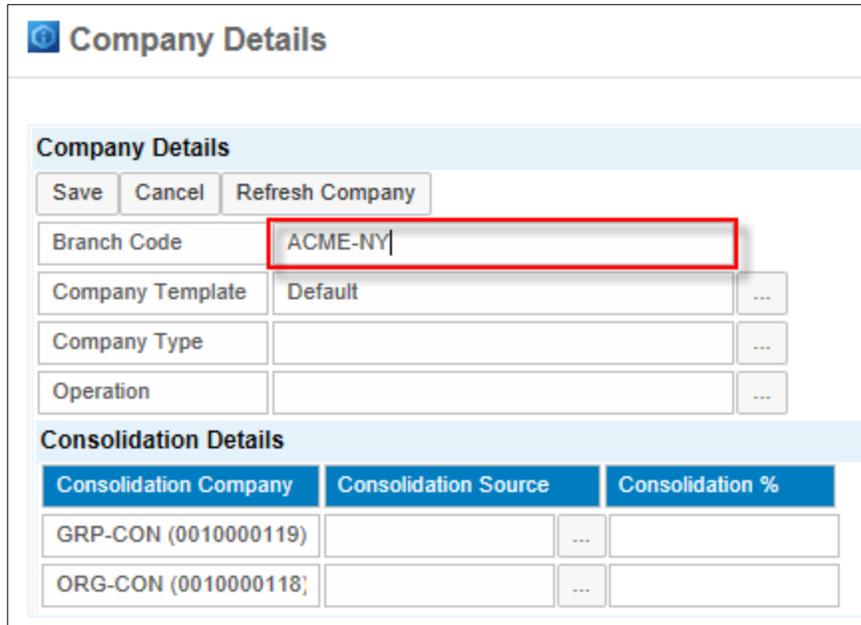
**Consolidation Details**

Consolidation Company	Consolidation Source	Consolidation %
GRP-CON (0010000119)	<input type="text"/> <input type="button" value="..."/>	<input type="text"/>
ORG-CON (0010000118)	<input type="text"/> <input type="button" value="..."/>	<input type="text"/>

Let's go through all fields available in **Company Details** area.

**a) Definition of Branch Codes**

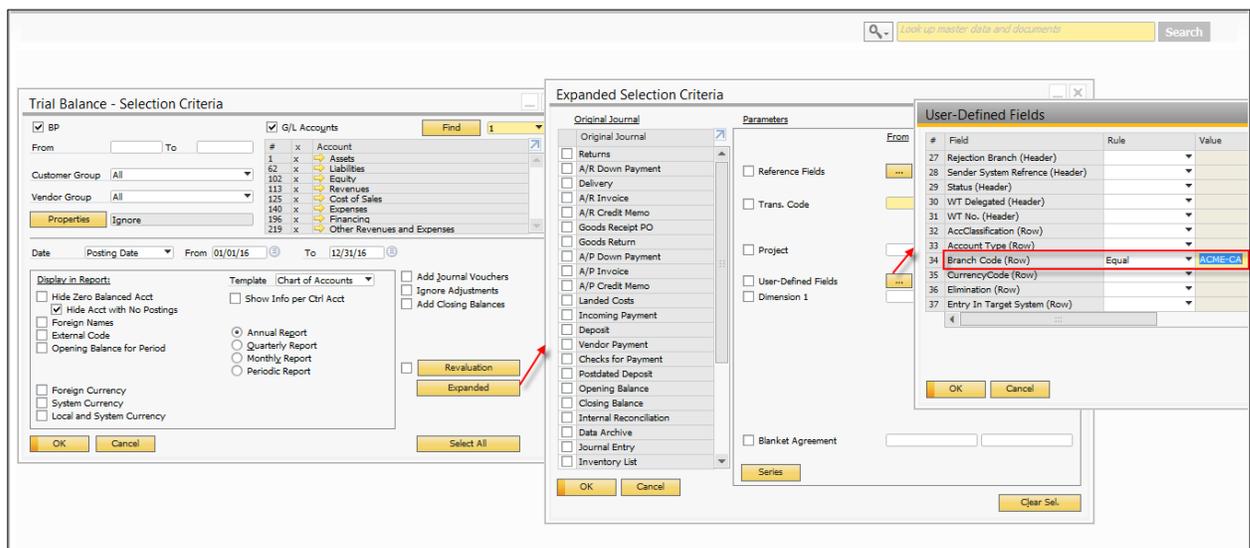
Branch code is a unique code allocated to each branch or consolidation company. It is advisable that meaningful and intuitive branch codes are used to represent a participating company.



The screenshot shows the 'Company Details' form in SAP. The 'Branch Code' field is highlighted with a red box and contains the text 'ACME-NY'. Below this, there are fields for 'Company Template' (Default), 'Company Type', and 'Operation'. A 'Consolidation Details' table is also visible, listing consolidation companies like 'GRP-CON (0010000119)' and 'ORG-CON (0010000118)'.

Some of the ways in which the branch code is used in the application are as follows:

- 1) Filtering of financial statements in the consolidation company based on branch codes. A consolidation company is the main company defined where financial data from all the participating companies is consolidated. It is this company from where the financial reporting of all the participating companies (many a times subsidiary companies) is generated.



The screenshot shows the 'Trial Balance - Selection Criteria' dialog box. It is divided into several sections: 'Trial Balance - Selection Criteria', 'Expanded Selection Criteria', 'Parameters', and 'User-Defined Fields'. In the 'User-Defined Fields' section, a table lists various fields and their rules. The 'Branch Code (Row)' field is highlighted with a red box, and its value is set to 'ACME-CA'.

#	Field	Rule	Value
27	Rejection Branch (Header)		
28	Sender System Reference (Header)		
29	Status (Header)		
30	WT Delegated (Header)		
31	WT No. (Header)		
32	AccClassification (Row)		
33	Account Type (Row)		
34	Branch Code (Row)	Equal	ACME-CA
35	CurrencyCode (Row)		
36	Elimination (Row)		
37	Entry In Target System (Row)		

- 2) Every participating company will be a vendor as well as a customer to other participating company. To ensure that such intercompany vendor and customer are easily identified across the IC landscape, the application enables this by assigning the IC branch code to the business partner codes. Even though the application ensures such a qualification, it is advisable to use branch code as a suffix or a prefix to the intercompany vendor and customer code definition.

Business Partner Master Data

Code: Manual CUST-ACME-NY Customer

Name: Customer ACME NewYork

Foreign Name:

Group: Construction

Currency: All Currencies

Federal Tax ID:

Account Balance: Local Currency 0.00

Deliveries: 0.00

Orders: 0.00

Opportunities:

Branch Partner Code ACME-NY

General | Contact Persons | Addresses | Payment Terms | Payment Run | Accounting | Properties | Remarks | Attachments

Tel 1:

Tel 2:

Mobile Phone:

Fax:

E-Mail:

Web Site:

Shipping Type:

Password:

Factoring Indicator:

BP Project:

Industry:

Business Partner Type: Company

Alias Name:

Global Business Partner:

Distribution Template Code:

From: To: Remarks:

Active  Inactive  Advanced

Contact Person: Paula

ID No. 2:

Remarks:

Sales Employee: -No Sales Employee-

BP Channel Code:

Technician:

Territory:

Language: English

Consolidated Account Balances: 0.00

Consolidated Delivery Balances: 0.00

Consolidated Order Balances: 0.00

GLN:

Block Sending Marketing Content

- 3) Data in all the intercompany reports is displayed with branch code.

Branch Sales Analysis Report

Sales Analysis by Customer (Annual)

Branch Code	#	Expand/Collapse	Customer Code	Customer Name	A/R Invoice	Total A/R Invoice	Gross Profit	Gross Profit %	Total Open II
<b>ACME-CA</b> As on Date:23/12/2016 Time:14:19:58									
	1	<input type="checkbox"/>	C20000	Maxi-Teq	8	\$36,337.50	\$18,670.51	105.680198	\$27,780.00
	2	<input type="checkbox"/>	C23900	Parameter Technology	4	\$27,144.00	\$13,783.89	103.171980	\$0.00
	3	<input type="checkbox"/>	C30000	Microchips	9	\$40,446.25	\$15,666.23	63.221216	\$7,350.00
	4	<input type="checkbox"/>	C40000	Earthshaker Corporation	6	\$18,536.25	\$8,182.05	79.021556	\$5,312.50
	5	<input type="checkbox"/>	C42000	Mashina Corporation	5	\$19,437.50	\$8,319.91	74.835553	\$15,687.50
	6	<input type="checkbox"/>	C50000	ADA Technologies	5	\$8,900.00	\$3,432.44	62.778278	\$1,725.00
	7	<input type="checkbox"/>	C60000	SG Electronics	3	\$12,502.50	\$6,274.16	100.735670	\$12,502.50
	8	<input type="checkbox"/>	C70000	Aquent Systems	5	\$3,319.75	\$1,937.30	140.135267	\$2,082.50
<b>ACME-NY</b> As on Date:23/12/2016 Time:14:19:58									
	1	<input type="checkbox"/>	C20000	Maxi-Teq	8	\$36,337.50	\$18,670.51	105.680198	\$27,780.00
	2	<input type="checkbox"/>	C23900	Parameter Technology	4	\$27,144.00	\$13,783.89	103.171980	\$0.00
	3	<input type="checkbox"/>	C30000	Microchips	8	\$39,946.25	\$15,465.05	63.171127	\$6,850.00
	4	<input type="checkbox"/>	C40000	Earthshaker Corporation	6	\$18,536.25	\$8,182.05	79.021556	\$5,312.50
	5	<input type="checkbox"/>	C42000	Mashina Corporation	5	\$19,437.50	\$8,319.91	74.835553	\$15,687.50
	6	<input type="checkbox"/>	C50000	ADA Technologies	5	\$8,900.00	\$3,432.44	62.778278	\$1,725.00
	7	<input type="checkbox"/>	C60000	SG Electronics	3	\$12,502.50	\$6,274.16	100.735670	\$12,502.50
	8	<input type="checkbox"/>	C70000	Aquent Systems	5	\$3,319.75	\$1,937.30	140.135267	\$2,082.50
	9	<input type="checkbox"/>	CUST-ACME-CA	ACME CA Customer	3	\$1,200.00	\$309.00	34.680135	\$1,200.00
<b>ACME-RIO</b> As on Date:23/12/2016 Time:14:20:01									
	1	<input type="checkbox"/>	C20000	Maxi-Teq do Brasil LTDA	14	R\$490,150.60	R\$142,909.45	42.378042	R\$490,150.60
	2	<input type="checkbox"/>	C23900	Parameter Tecnologia LTDA	14	R\$283,832.53	R\$99,341.50	53.846249	R\$283,832.53
	3	<input type="checkbox"/>	C30000	Microchips do Brasil LTDA	16	R\$223,132.66	R\$9,324.31	4.361060	R\$223,132.66
	4	<input type="checkbox"/>	C40000	Earthshaker do Brasil LTDA	7	R\$196,739.10	(-) R\$25,310.13	(-) 11.398432	R\$196,739.10
	5	<input type="checkbox"/>	C42000	Grupo Mashina do Brasil	21	R\$235,416.79	R\$6,814.18	3.1662949	R\$235,416.79
	6	<input type="checkbox"/>	C50000	Ada Tecnologia SA	21	R\$206,047.44	(-) R\$82,168.64	(-) 23.178566	R\$206,047.44
	7	<input type="checkbox"/>	C60000	SG Eletronicos LTDA	14	R\$194,609.59	R\$6,314.28	3.353392	R\$194,609.59
	8	<input type="checkbox"/>	C70000	Aquent Sistemas SA	8	R\$317,335.50	R\$93,966.48	42.067821	R\$317,335.50

Close Refresh Expand All Collapse All Copy To Clipboard

Following is the list of screens where branch code is used:

- Branch Accounts Setup
- Global Data Distribution Template
- G/L Allocation Posting Templates
- Recurring G/L Allocation Postings
- G/L Branch Allocation
- Branch Journal Entry Details
- A/P Service Invoice Allocation
- Marketing Documents - Intercompany Tab
- Intercompany Reports
- Payment Delegation
- Chart of Account Distribution
- Manual Consolidation
- Automatic Consolidation

Following are the intercompany transactions where branch code is used:

- G/L Branch Allocation
- G/L Allocation Posting Templates
- Recurring G/L Allocation Postings
- Document exchange cycle
- A/P Service Invoice Allocation
- Centralized Payment
- Remote Query Execution
- Manual Consolidation
- Automatic Consolidation
- Intercompany Reports

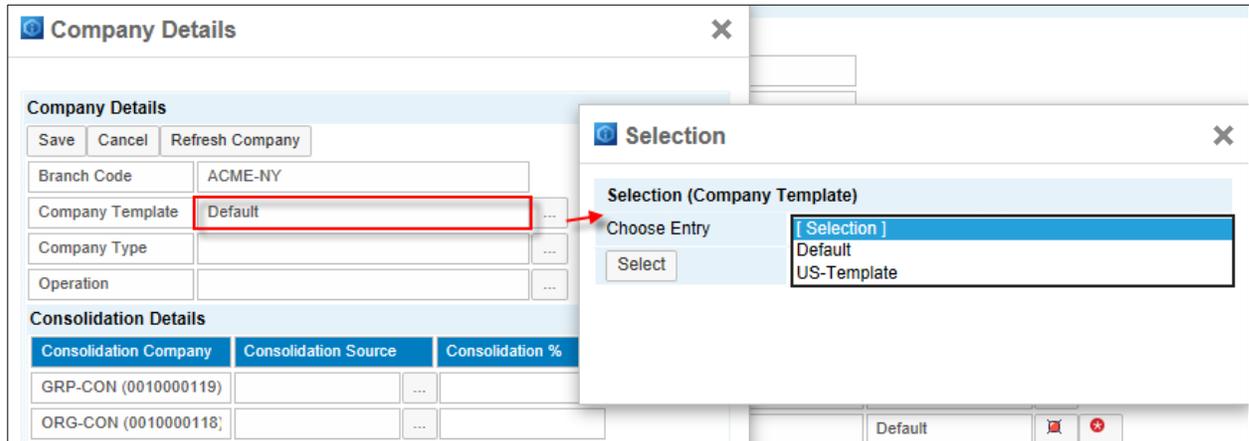
As you can observe, branch code is used across the Intercompany solution, it is therefore very important to assign a meaningful name to the branch code.

#### b) **Definition of Company Template**

In the company template field, choose the default company template for the SAP Business One localization. For the un-supported localization, choose the general template.

You can also customize the company template and assign it to the branch company.

In the customized company template, you can specify the master that can be sent from or received in a SAP Business One Company. For each master, you can also specify the field list to be replicated between the SAP Business One Companies.



**c) Definition of Company Type**

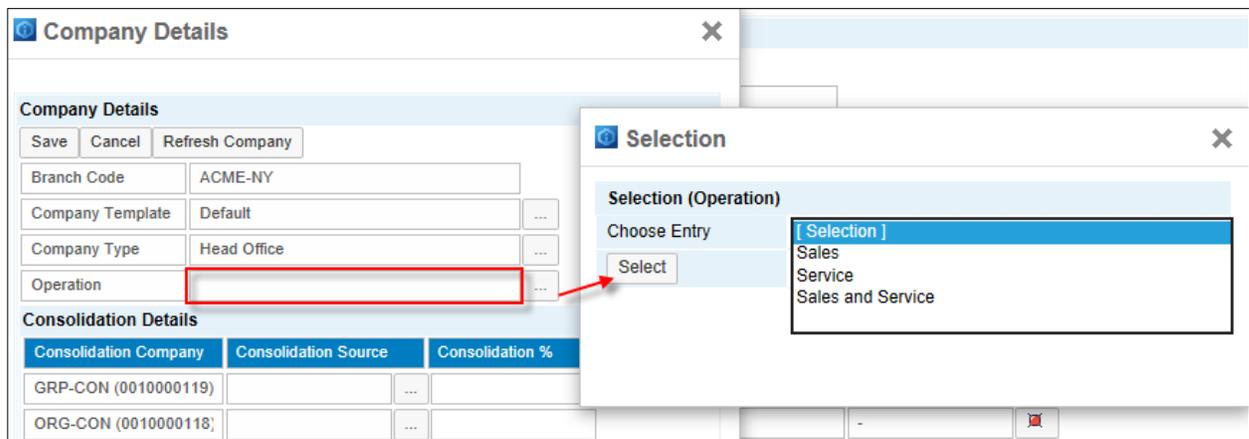
In the company type field, specify the type of the company selected i.e. Head Office, branch or Consolidation Company.

You must define at least one head office company and one Branch Company. If you plan to use the Financial Consolidation module, then you must also define the company as a consolidation company.

**d) Definition of company operations – service, sales, etc.**

The Operation setup is required for the replication of service masters in Service module of SAP Business One. User can select the operation type for the company from the following options: Sales, Service, or Sales and Service. Based on this setup, the service masters (Contract Templates, Equipment Card, and Service Contract) are replicated to branch companies.

- Contract templates, customer equipment card, and service contracts are replicated from sales companies to service companies.  
If you want to replicate these masters in all companies, then you must select **Sales and Service** in **Operation** field for all the companies.
- Though the field is optional it is advised not to keep this field blank.
- Consolidation type of companies do not require the **Operation** definition.



### e) Definition of Consolidation Hierarchy

Consolidation Percentage field indicates the percentage of share that the parent organization (defined as the consolidation company) holds in the company. User can enter the percentage that indicates what percentage of each account for this company should be included in the consolidation.

User may divide the branch consolidation percentage between multiple consolidation companies. For example, if one branch company is consolidating in to two consolidation companies, user can define the percentage as 30% for one company and 70% for other company.

**Company Details**

Save Cancel Refresh Company

Branch Code: ACME-NY

Company Template: Default

Company Type: Head Office

Operation: Sales and Service

**Consolidation Details**

Consolidation Company	Consolidation Source	Consolidation %
GRP-CON (0010000119)	Local Currency	30
ORG-CON (0010000118)	Local Currency	70

One branch company can be consolidating in to multiple consolidation company based on the consolidation percentage. However, the total consolidation percentage (%) for all consolidation companies should not be greater than 100.

At any given time, you can view the consolidation hierarchy setup of all branch company by clicking the (Consolidation Hierarchy Chart) icon available in the intercompany landscape.

**Intercompany Landscape**

Refresh

Company Registration

Refresh Companies

Total SAP Business One companies

Last Deployed on

Total companies last deployed

Multi-localization implementation

Companies awaiting deployment

Action	System Name	Se
<input checked="" type="checkbox"/>	ACME-CA	C
<input checked="" type="checkbox"/>	ACME-NY	C
<input checked="" type="checkbox"/>	ACME-TX	C
<input type="checkbox"/>	ACME	C
<input checked="" type="checkbox"/>	ACME-FL	C
<input checked="" type="checkbox"/>	ACME-AL	C
<input checked="" type="checkbox"/>	ORG_Consolidation	C
<input checked="" type="checkbox"/>	GRP_Consolidation	C

**Solution Landscape - Microsoft Edge**

127.0.0.1:8080/B11Xcellerator/exec/dummy/com.cxs.b1i.ipof/bfd/CC.OrgChart.bfd?!sysid=ALL&xsrf.id=

**Consolidation Hierarchy Chart**

Expand All Collapse All

- ORG-CON - ORG\_Consolidation
  - ACME-NY - ACME-NY (Local Currency, 70%)
  - ACME-TX - ACME-TX (Local Currency, 70%)
  - ACME-CA - ACME-CA (Local Currency, 100%)
- GRP-CON - GRP\_Consolidation (Local Currency, 100%)
  - ACME-NY - ACME-NY (Local Currency, 30%)
  - ACME-AL - ACME-AL (Local Currency, 100%)
  - ACME-FL - ACME-FL (Local Currency, 100%)
  - ACME-TX - ACME-TX (Local Currency, 30%)

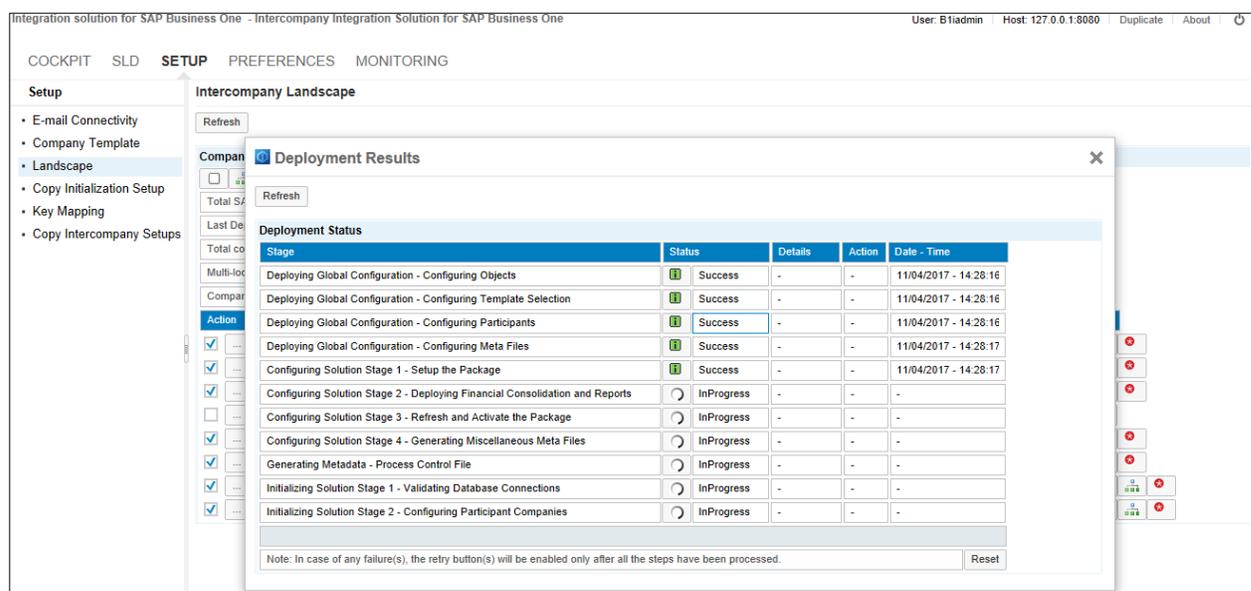
You can take the printout of the consolidation hierarchy chart and shows to the user for verification of consolidation setup.

7. After providing the company details information, choose **Save** in company details window.
8. Similarly, you provide the company details information for all companies.
9. Once the landscape setup is complete, you must deploy the solution (explained below). On deployment, landscape information will be replicated to all SAP Business One companies configured in the landscape.

## Intercompany Solution Deployment

To deploy and initialize the Intercompany integration solution, choose the **Deploy** button in the intercompany landscape.

The **Deployment Status** table displays the progress and status of various deployment tasks



Stage	Status	Details	Action	Date - Time
Deploying Global Configuration - Configuring Objects	Success	-	-	11/04/2017 - 14:28:16
Deploying Global Configuration - Configuring Template Selection	Success	-	-	11/04/2017 - 14:28:16
Deploying Global Configuration - Configuring Participants	Success	-	-	11/04/2017 - 14:28:16
Deploying Global Configuration - Configuring Meta Files	Success	-	-	11/04/2017 - 14:28:17
Configuring Solution Stage 1 - Setup the Package	Success	-	-	11/04/2017 - 14:28:17
Configuring Solution Stage 2 - Deploying Financial Consolidation and Reports	InProgress	-	-	-
Configuring Solution Stage 3 - Refresh and Activate the Package	InProgress	-	-	-
Configuring Solution Stage 4 - Generating Miscellaneous Meta Files	InProgress	-	-	-
Generating Metadata - Process Control File	InProgress	-	-	-
Initializing Solution Stage 1 - Validating Database Connections	InProgress	-	-	-
Initializing Solution Stage 2 - Configuring Participant Companies	InProgress	-	-	-

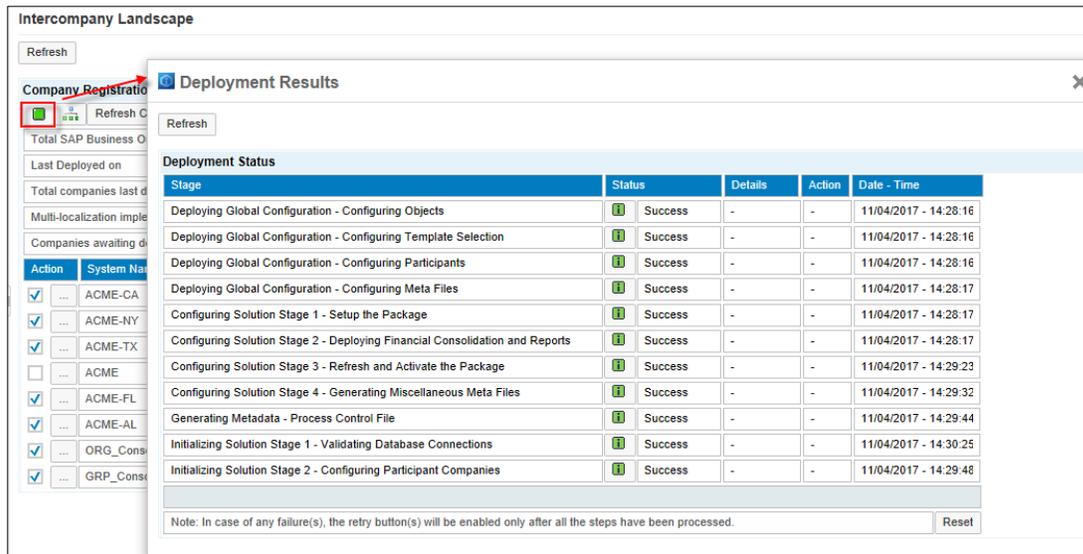
Note: In case of any failure(s), the retry button(s) will be enabled only after all the steps have been processed.

### Note

- During the deployment process, on the Intercompany Landscape page, in the Company Registration table, the  icon is displayed to indicate that the deployment process is in progress.
- If you close the **Deployment Results** table during deployment, click the  icon to reopen the page.
- Status field displays **Success** on successful deployment of the solution.
- If the deployment was not successful the **Status** field displays Failure in the **Deployment Status** window. To display error details, choose Error Details button in the **Details** field.
- To re-execute a failed task, choose the **Retry** button in the **Action** field. The **Retry** button will be enabled only after all tasks across all the stages have been processed.

- If you encounter some problems during deployment processing, you may choose the **Reset** button to clear the deployment queues. Note: choosing the reset button deletes all deployment data.

You can check the deployment status at any given time by clicking the  icon in the Company Registration.



The screenshot shows the 'Intercompany Landscape' interface. On the left, the 'Company Registration' table has a green square icon highlighted. A 'Deployment Results' dialog box is open, displaying a table of deployment stages and their statuses.

Stage	Status	Details	Action	Date - Time
Deploying Global Configuration - Configuring Objects	Success	-	-	11/04/2017 - 14:28:16
Deploying Global Configuration - Configuring Template Selection	Success	-	-	11/04/2017 - 14:28:16
Deploying Global Configuration - Configuring Participants	Success	-	-	11/04/2017 - 14:28:16
Deploying Global Configuration - Configuring Meta Files	Success	-	-	11/04/2017 - 14:28:17
Configuring Solution Stage 1 - Setup the Package	Success	-	-	11/04/2017 - 14:28:17
Configuring Solution Stage 2 - Deploying Financial Consolidation and Reports	Success	-	-	11/04/2017 - 14:28:17
Configuring Solution Stage 3 - Refresh and Activate the Package	Success	-	-	11/04/2017 - 14:29:23
Configuring Solution Stage 4 - Generating Miscellaneous Meta Files	Success	-	-	11/04/2017 - 14:29:32
Generating Metadata - Process Control File	Success	-	-	11/04/2017 - 14:29:44
Initializing Solution Stage 1 - Validating Database Connections	Success	-	-	11/04/2017 - 14:30:25
Initializing Solution Stage 2 - Configuring Participant Companies	Success	-	-	11/04/2017 - 14:29:48

Note: In case of any failure(s), the retry button(s) will be enabled only after all the steps have been processed.

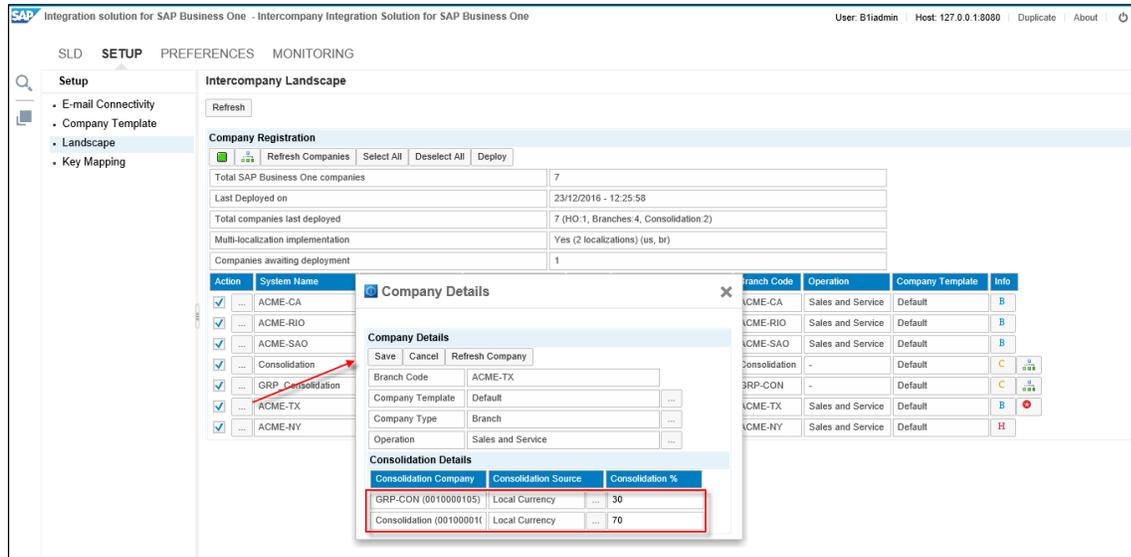
## Adding a new branch company in the intercompany landscape

Following steps are required to include a new branch company in the intercompany landscape and in SAP Business One

Note: In the new company you must manually ensure that all masters, which are replicated by the Intercompany solution, have an equal number of records (that is, identical records exists in each company).

- 1) Install the Intercompany add-on in SAP Business One company database which you would like to introduce in the Intercompany solution.
- 2) Complete the Intercompany initialization wizard in newly introduced branch company.  
To display this wizard, choose **Administration → Intercompany Implementation Wizard → Intercompany Initialization Wizard**.
- 3) You must ensure that an SLD (System Landscape Directory) entry for the new company database exists in the SLD page of Administration Console.  
To launch the Administration Console, choose **Start -> All Programs -> The Intercompany Integration Solution for SAP Business One -> Intercompany Administration Console**.
- 4) To include the new company database in the Intercompany landscape, choose the **Landscape** option in the left frame of the **Setup** page.

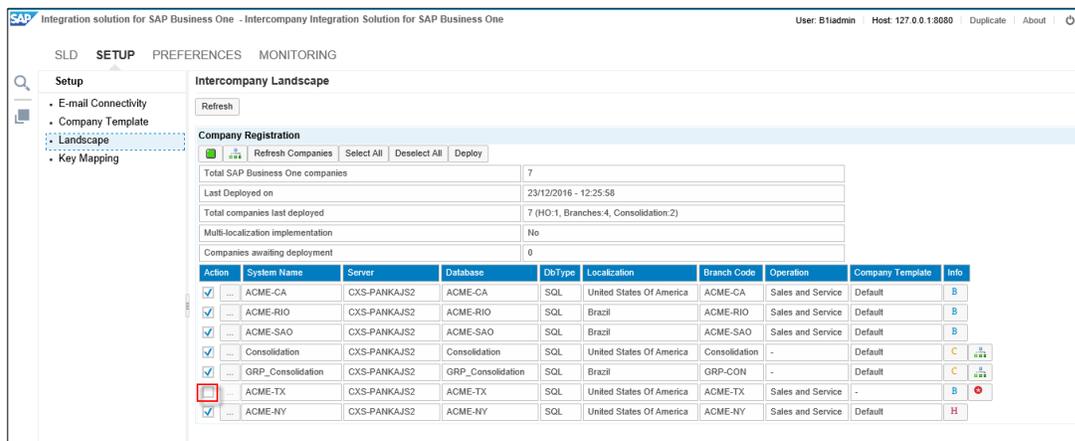
On the Intercompany Landscape page, in the **Company Registration** table, select the checkbox adjacent to the **System Name** that corresponds to the new company database. Populate the **Company Details** for the new company database by choosing the Browse button



- 5) To deploy and initialize the Intercompany solution with the new company database, choose the **Deploy** button.
- 6) After deployment, complete the key Mapping process for the new company database.
- 7) After key mapping, run the Intercompany Setup wizard in all SAP Business One companies configured in the Intercompany Solution again.  
To display this wizard, choose **Administration ->Intercompany Implementation Wizard ->Intercompany Setup Wizard**.
- 8) Run the consolidation setup wizard in consolidation companies configured in the solution.

### Removing a company from the Intercompany landscape

To remove a branch company from the solution, deselect the checkbox in the **Action** field next to the relevant system and press the deploy button to deploy the entire solution again. After deployment, the user cannot use the removed branch company for the intercompany transactions and financial consolidation.



Note: once a company is removed from the Intercompany integration solution, it cannot be added again. The checkbox in the **Active** field next to the relevant **System Name** field will be disabled for deactivated companies