

## Global Data Authorization and Alert Administration

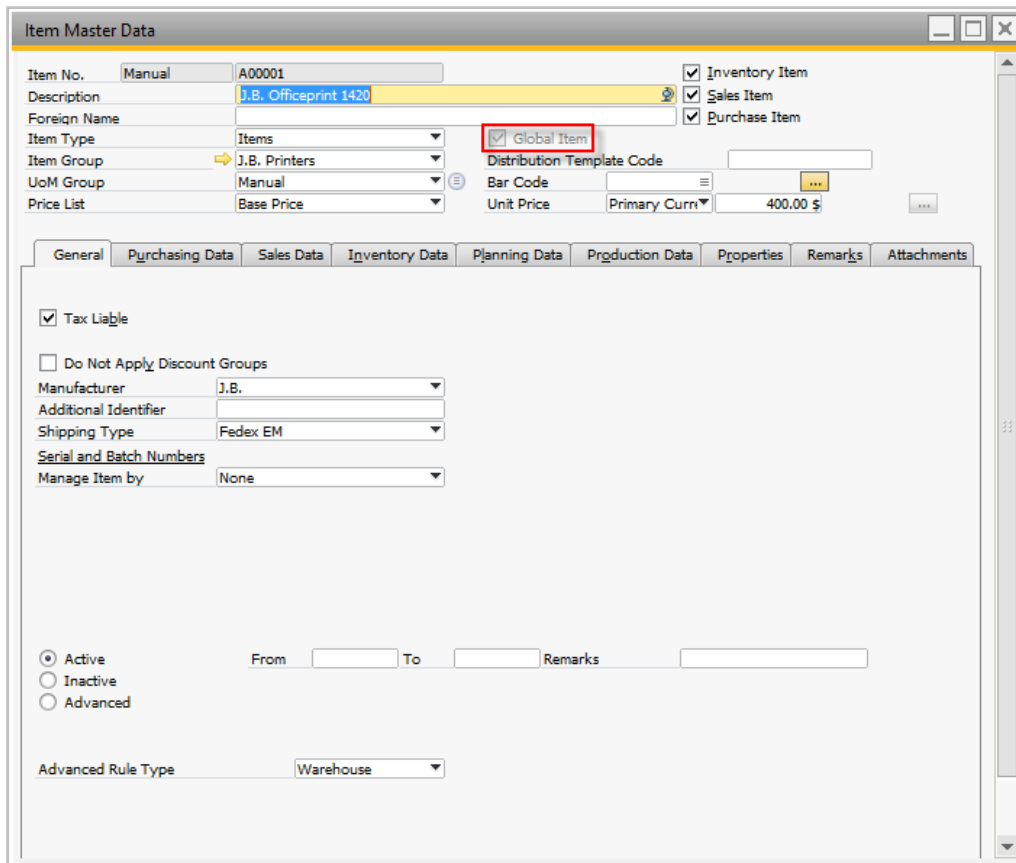
The Intercompany integration solution for SAP Business One offers data authorization and alert administration feature for master data replication and intercompany transactions.

In this blog, we are covering both the features in detail:

### Global Data Authorization

Global data authorization feature of intercompany solution enables administrators to set up authorizations for users to add, update, and remove global business partners, global items, global bill of materials, and global price lists.

In intercompany solution, a Global record is a record which is replicated to all branch companies. In case of item master data, business partner master data, bill of materials and price list masters, the user can choose the specific records that are to be shared between partner companies. The Global check box is provided on these masters, so that the user can select the specific record(s) that are to be shared across SAP Business One companies.



The screenshot shows the 'Item Master Data' form in SAP Business One. The 'Global Item' checkbox is checked and highlighted with a red box. The form includes fields for Item No. (A00001), Description (J.B. Officeprint 1420), and various other attributes. The 'General' tab is active, showing options like 'Tax Liable' and 'Do Not Apply Discount Groups'.

Field	Value
Item No.	Manual A00001
Description	J.B. Officeprint 1420
Foreign Name	
Item Type	Items
Item Group	J.B. Printers
UoM Group	Manual
Price List	Base Price
Inventory Item	<input checked="" type="checkbox"/>
Sales Item	<input checked="" type="checkbox"/>
Purchase Item	<input checked="" type="checkbox"/>
Global Item	<input checked="" type="checkbox"/>
Distribution Template Code	
Bar Code	
Unit Price	Primary Curr 400.00 \$
Tax Liable	<input checked="" type="checkbox"/>
Do Not Apply Discount Groups	<input type="checkbox"/>
Manufacturer	J.B.
Additional Identifier	
Shipping Type	Fedex EM
Serial and Batch Numbers	
Manage Item by	None
Active	<input checked="" type="radio"/>
Inactive	<input type="radio"/>
Advanced	<input type="radio"/>
Advanced Rule Type	Warehouse

**Business Partner Master Data**

Code: Manual C20000 Customer  
 Name: Maxi-Teq  
 Foreign Name:  
 Group: Construction  
 Currency: US Dollar  
 Federal Tax ID: US25-987634

Account Balance: Local Currency 30,082.80  
 Deliveries: 23.85  
 Orders: 6,797.25  
 Opportunities: 6  
 Branch Partner Code

General	Contact Persons	Addresses	Payment Terms	Payment Run	Accounting	Properties	Remarks	Attachments
Tel 1: 555-0110	Contact Person: Max Teq							
Tel 2: 1	ID No. 2:							
Mobile Phone:	Remarks:							
Fax: 555-0111	Sales Employee: Sales Manager							
E-Mail: info@maxi-teq.sap.com	BP Channel Code:							
Web Site: www.maxi-teq.sap.com	Technician:							
Shipping Type: UPS Ground	Territory:							
Password:	Language: English							
Factoring Indicator:	Consolidated Account Balances: 30,082.80							
BP Project:	Consolidated Delivery Balances: 23.85							
Industry:	Consolidated Order Balances: 6,797.25							
Business Partner Type: Company	GLN:							
Alias Name:								

Global Business Partner  
 Active  
 Inactive  
 Advanced

**Bill of Materials**

Product No.: LM4029 Quantity: 1 Warehouse: 01  
 Product Description: LeMon 4029 Printer  
 BOM Type: Production Price List: Global Price list  
 Production Std Cost: 0.00 \$ Distr. Rule:  
 Planned Average Production Size: 1.00 Project:  
 Distribution Template Code:  Global BOM

#	Type	No.	Description	Quantity	UoM Name	Warehouse
1	Item	LM4029MC	Memory Chip	2		01
2	Item	LM4029D	LeMon 4029 500 sheet paper c	1		01
3	Item	LM4029PH	LeMon 4029 Printer Head	1		01
4	Item	LM4029PS	LeMon 4029 Printer Power Su	1		01
5	Item	LM4029SB	LeMon 4029 Printer System Bc	1		01
6	Item					

Product Price:

OK Cancel

Price Lists

Update Entire Price List  
 Update by Selection

#	Price List Name	Default Base Price List	Defau...	Rounding Met...	Rounding Rule	Active	Primary Currency	Global Price List	Distribution Templ...
	Last Evaluated Price					<input checked="" type="checkbox"/>			
	Last Purchase Price					<input checked="" type="checkbox"/>			
1	Base Price	Base Price	1	No Rounding	Round to Closes	<input checked="" type="checkbox"/>	\$	No	
2	Discount Purchase Price	Base Price	0.5	No Rounding	Round to Closes	<input checked="" type="checkbox"/>	\$	No	
3	Regular Purchase Price	Base Price	0.75	No Rounding	Round to Closes	<input checked="" type="checkbox"/>	\$	No	
4	Distributor Sales Price	Base Price	1.25	No Rounding	Round to Closes	<input checked="" type="checkbox"/>	\$	No	
5	Regular Sales Price	Base Price	1.5	No Rounding	Round to Closes	<input checked="" type="checkbox"/>	\$	No	
6	Small Account Sales Price	Base Price	1.75	No Rounding	Round to Closes	<input checked="" type="checkbox"/>	\$	No	
7	Global Price list	Global Price list	1	No Rounding	Round to Closes	<input checked="" type="checkbox"/>	\$	Yes	

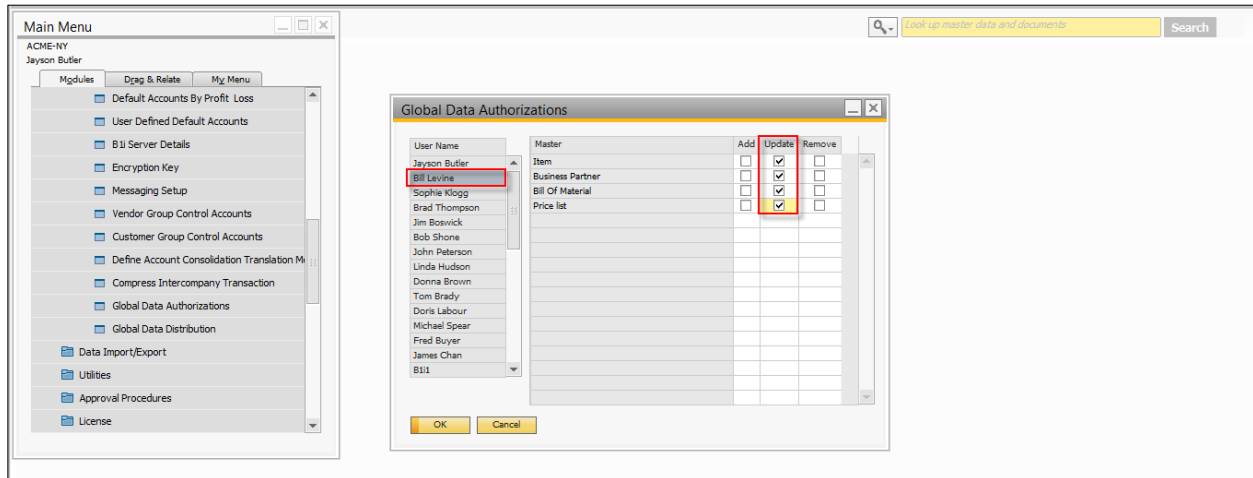
With the help of authorizations feature in SAP Business One, administrator can restrict the user to view, create, and update the complete masters. However, the authorizations feature in SAP Business One cannot be specifically used to add, update or remove the Global masters. The Intercompany Global data authorization feature help you to achieve this.

Global Data Authorizations

User Name	Master	Add	Update	Remove
Jayson Butler	Item	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bill Levine	Business Partner	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sophie Klogg	Bill Of Material	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Brad Thompson	Price list	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Jim Boavnick				
Bob Shone				
John Peterson				
Linda Hudson				
Donna Brown				
Tom Brady				
Doris Labour				
Michael Spear				
Fred Buyer				
James Chan				
B11				

On Global data authorization screen, a list of all users is displayed on the left hand side and on the right hand side, system provides the Add, Update and Remove authorizations.

As seen above, *Jayson Butler* (manager) is having all add, update and remove authorizations. And as seen below, user *Bill Levine* can only update Global Masters Records.

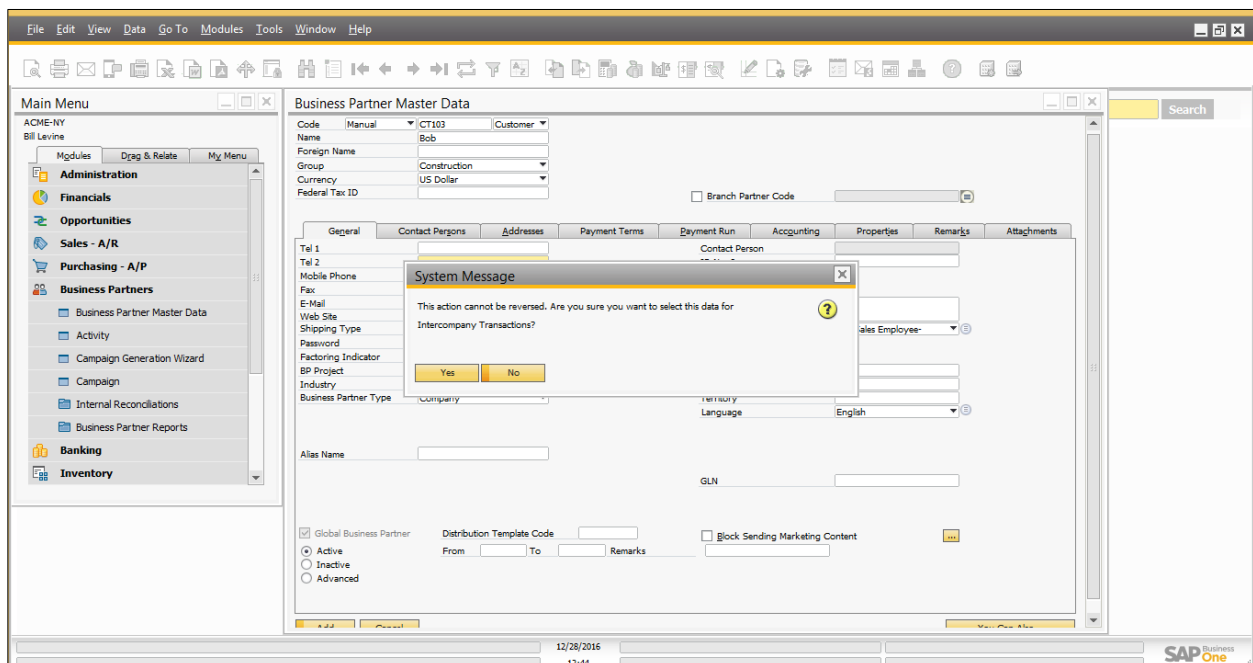


Let's login in SAP Business One as *Bill Levine* and test the authorizations assigned to him.

*Bill Levine* was asked by his colleague to add a new Global customer in the Head Office.

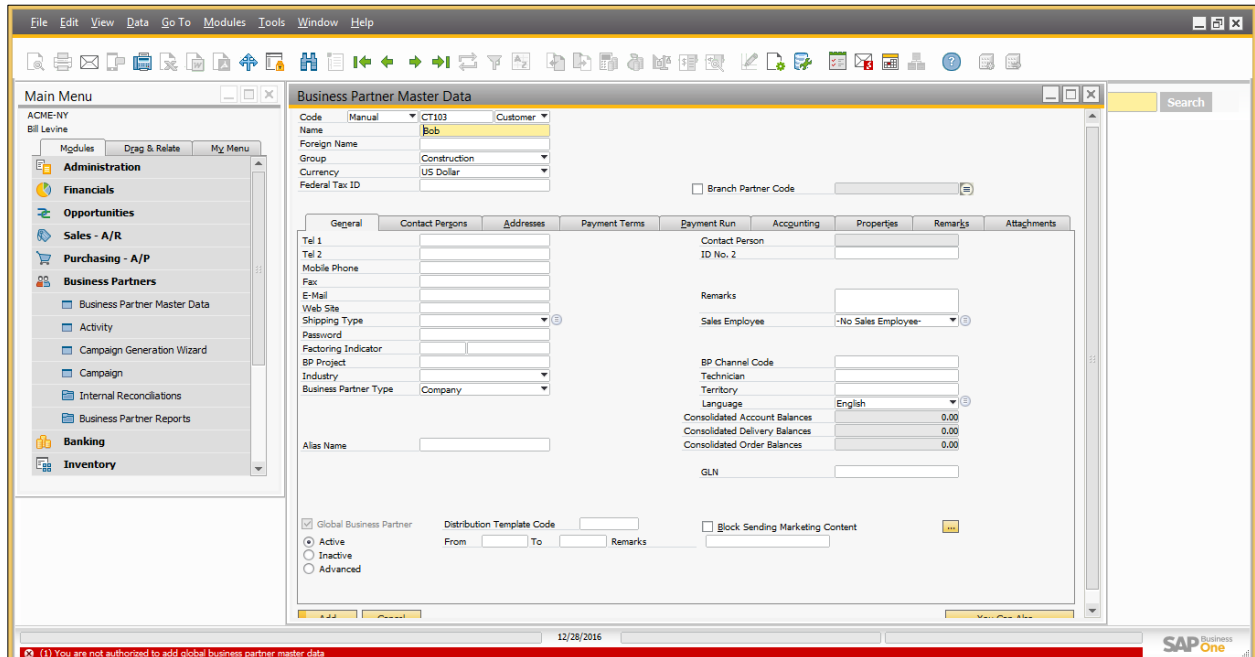
*Bill Levine* starts to add new Global Customer - CT103 in the Head Office company. As a Global customer, *Bill Levine* needs to select "Global Business Partner" checkbox.

On selecting the "Global Business Partner" checkbox, System gives the prompt "This action cannot be reversed. Are you sure you want to select this data for Intercompany Transaction?"



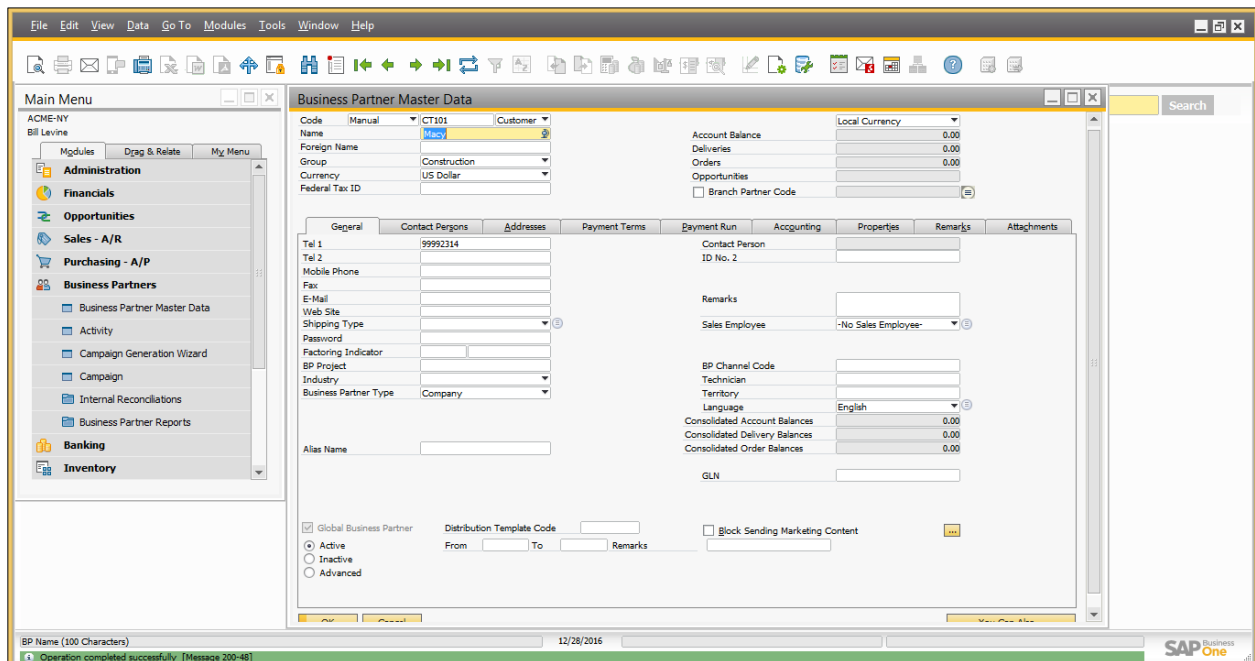
On pressing "Yes" on prompt and choosing Add button.

Since *Bill Levine* can only "Update Global" master records, system gives the message "(1) you are not authorized to add global business partner master data"



Let's try to update an existing Global Customer "CT101".

Bill Levine updates the customer telephone number and press update button. The update is possible since Bill Levine has the update authorization.



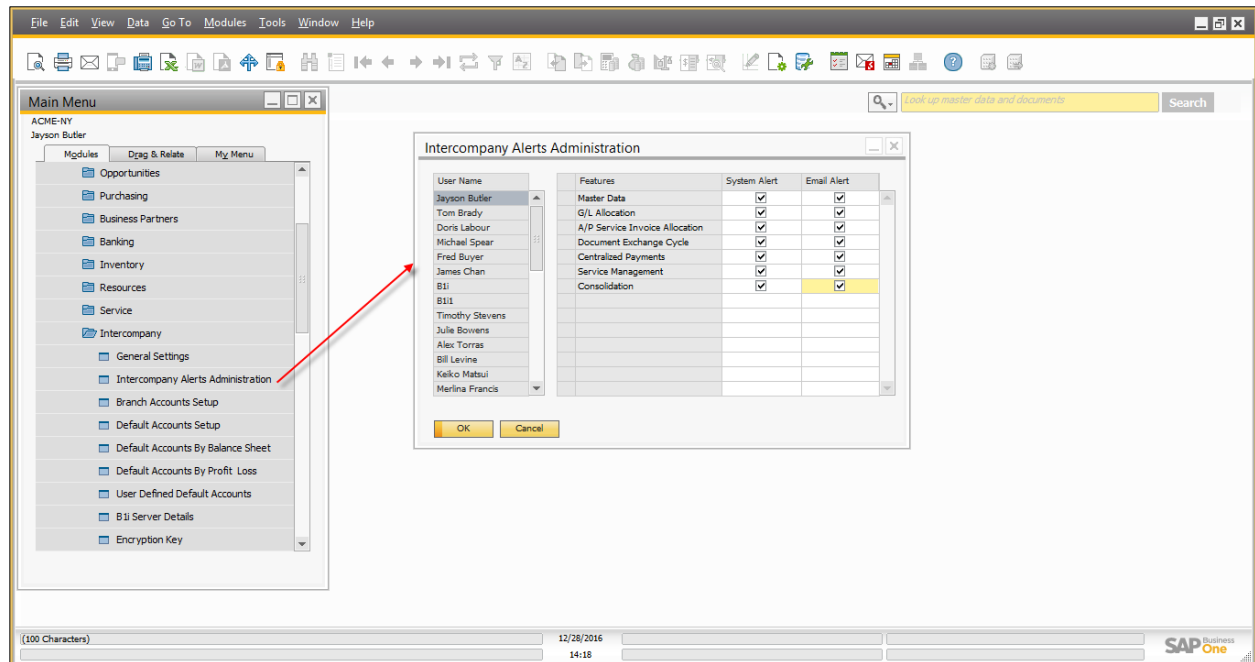
## Alert Administration

The Alert Management feature of the Intercompany solution notifies the user whenever an Intercompany transaction is received in the branch companies.

The Main Menu supports two types of alert notifications:

- SAP Business One – System Alert
- Notification by email

You can use the Intercompany alert administration window to setup the alerts in the system as shown below.



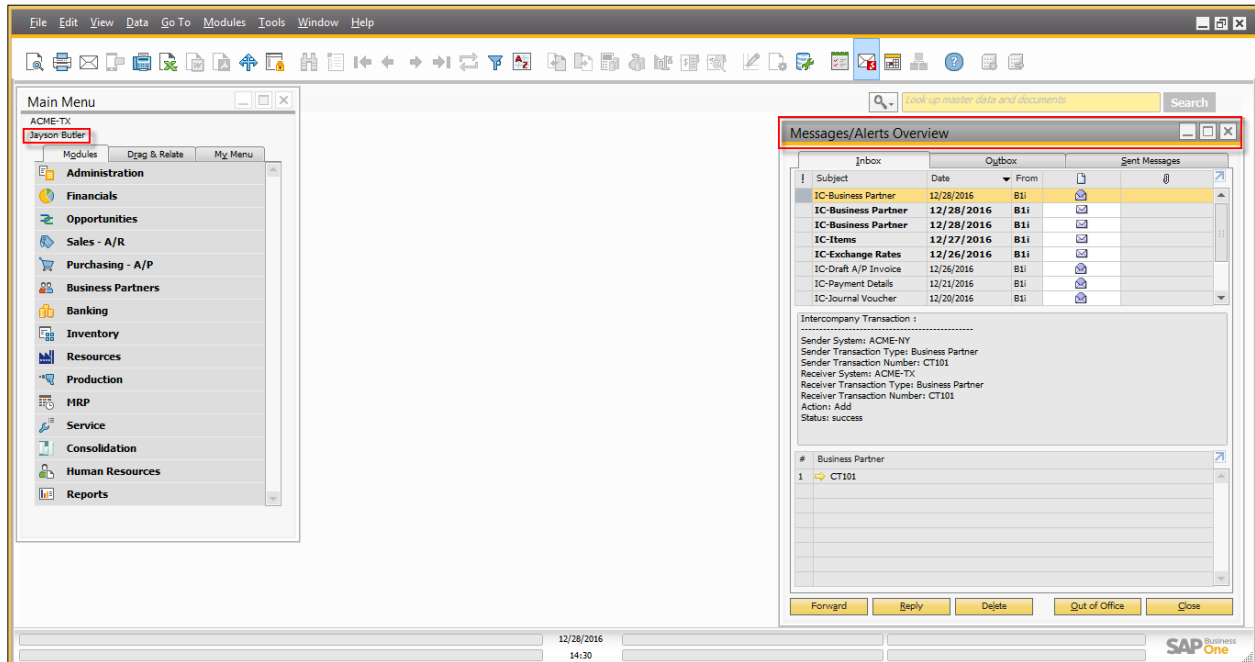
In Intercompany alerts administration window, a list of all users is displayed on the left hand side and on the right hand side, system provide the list of all intercompany feature and check boxes to enable the system or Email alert in the system.

In alert administration window, user can setup the notifications for the following Intercompany transactions:

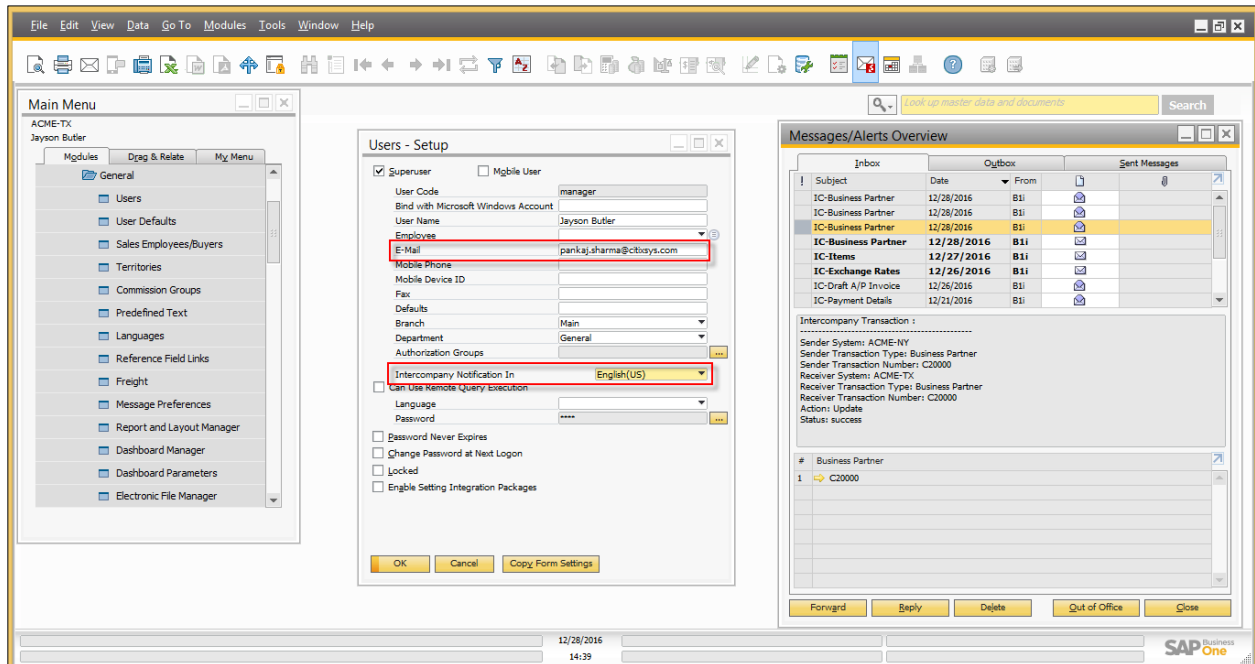
- Master data
- G/L allocation
- A/P service invoice allocation
- Document exchange cycle
- Centralized payments
- Service management
- Consolidation

The receiving company can be notified of the above transactions by system alerts or email, as defined in the receiver company's setup.

As seen above, *Jayson Butler* (manager) is having system and email alert enabled for all intercompany transactions. So, when *Jayson Butler* logs into the system, all alerts for intercompany transactions appears in Messages/Alerts overview window.




Please note you must specify the email address for email alert and intercompany notification language in the “Users – Setup” window of SAP Business One as shown below:



IC-Business Partner Inbox x 📧 🖨 📎


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 **Admin@intercompany** 12:21 PM (4 minutes ago) ☆ ↩ ⌵  
to me ⌵

Intercompany Transaction :

Sender System: ACME-NY  
Sender Transaction Type: Business Partner  
Sender Transaction Number: C20000  
Receiver System: ACME-TX  
Receiver Transaction Type: Business Partner  
Receiver Transaction Number: C20000  
Action: Update  
Status: success

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 **Admin@intercompany** 12:22 PM (3 minutes ago) ☆ ↩ ⌵  
to me ⌵

Intercompany Transaction :

Sender System: ACME-NY  
Sender Transaction Type: Business Partner  
Sender Transaction Number: C23900  
Receiver System: ACME-TX  
Receiver Transaction Type: Business Partner  
Receiver Transaction Number: C23900  
Action: Update  
Status: success

*Figure: Email Notification – Business Partner Update*