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ADempiere
The Professional Open Source Business Suite

Module 7
Master Data Import

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Module Objectives

- Know what Master Data is necessary to start up an ERP system
- To understand how ADempeire's Data Import Tools works
- Understand the implication when we import data incorrectly.

What Data need to be in ERP?

- **Sales Rules**

- **Business Partners**

- **Warehouses**

- **Pricing**

- **Payment Rules**

- **Tax Rules**

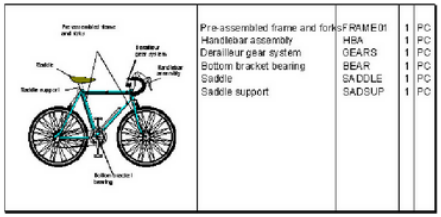
- **Logistics**

- **Finance**

- **Products**

- **Production Resources**

- **Bill of Material**



Pre-assembled frame and forks	FRAME01	1	PC
Handlebar assembly	HBA	1	PC
Derailleur gear system	GEARS	1	PC
Bottom bracket bearing	BEAR	1	PC
Saddle	SADDLE	1	PC
Saddle support	SADSUP	1	PC

- **Accounting Configuration**

Why using Data Import Tools?

VS

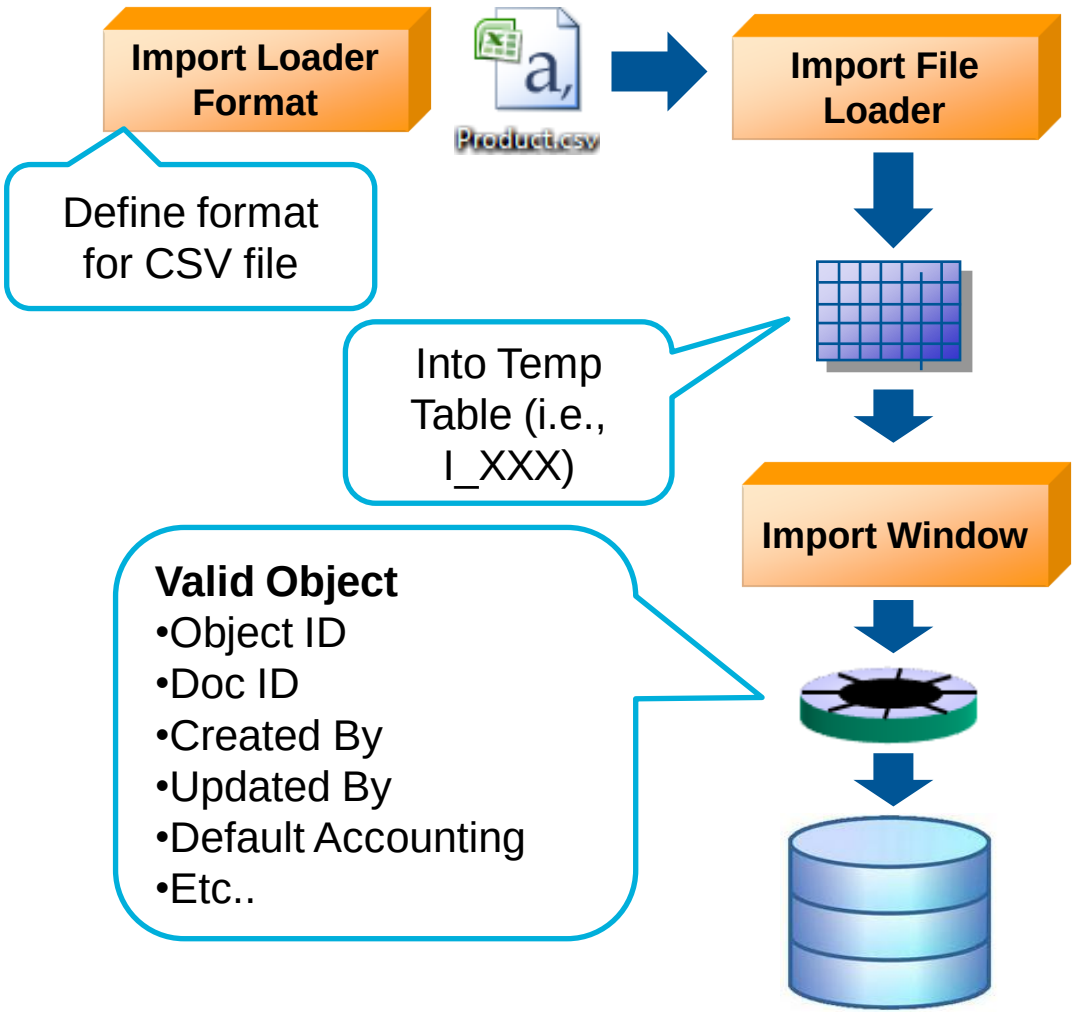
Direct SQL

- Not a healthy practice
- No data validation
- Can cause Object ID problem
- Difficult to update related information

Master Data Import

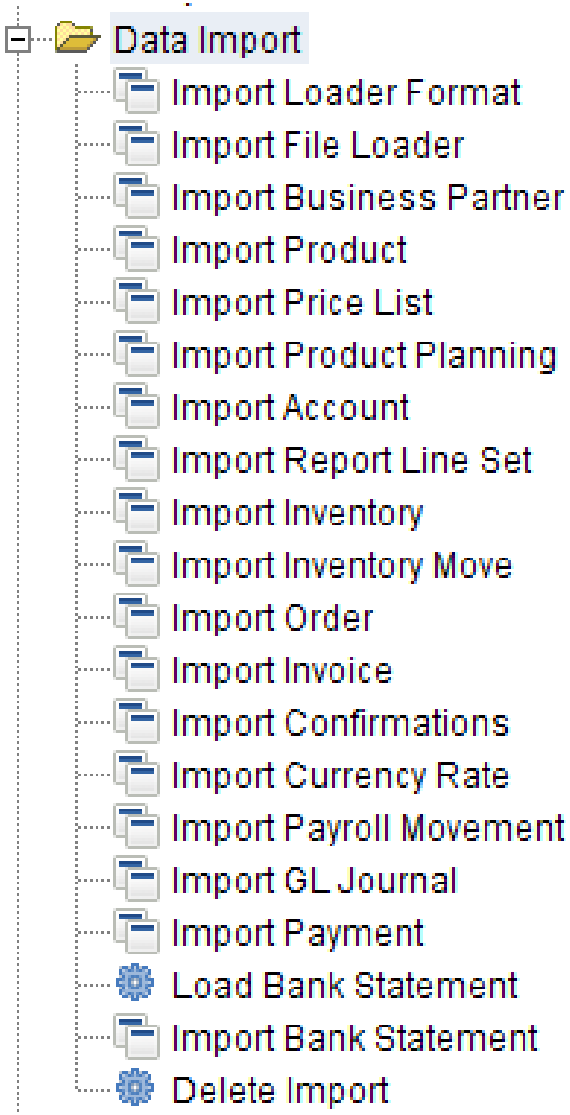
- Recommended Practice
- Data **Validation** and **Lookup**
- Can review data before Import
- Maintain valid Object ID and Doc#
- Update all necessary data

How Data Import Tools Works?



1) Import Loader Format
   - Defy format and fields of each type of data to be uploaded
   - Data in CSV file will be prepared with this format
2) Import File Loader
   - Load CSV data into Temp Table, waiting for verification.
3) Import Data Windows
   - 1 window for each master data
   - Verify data
   - Submit as valid data objects

Data Import



Business Partner

Product

Price

Accounting

Inventory

Orders / Invoices

Confirmations

Currency Rate

Bank Statement

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Module 7.1
Import Business Partner

WORKSHOP

Create BPartner Import Loader Format

- Login to ADempiere as **System**
  - **Username:** System
  - **Password:** System
  - **Role:** System Administrator
  - **Client:** System
  - **Organization:** *
- Create BPartner loader format
  - Open **Import Loader Format** window
  - Click **New**
    - **Name:** Import BPartner
    - **Table:** I_BPartner_Import Business Partner
    - **Format:** Comma Separated.
  - Click **Save**

The I_BPartner temp table contains 44 columns, we can select only fields we want to import

- Create format fields
  - Click on **Format Field** tab
  - Insert 9 Format Fields as in following table.
  - Saves

Field\Data	1st data	2nd data	3rd data	4th data	5th data	6th data	7th data	8th data	9th data
Sequence	10	20	30	40	50	60	70	80	90
Name	Search Key	Name	Address	City	Country Codes	Contact Name	Email	BP Group	Organization
Column	Value_ Search Key	Name_Name	Address1_ Address 1	City_City	CountryCode_ISO Country Code	ContactName_ Contact Name	Email_Email Address	C_BP_Group_ID_ Business Partner Group	AD_Org_ID_ Organization
Data Type	String	String	String	String	String	String	String	String	Constant
Start No	1	2	3	4	5	6	7	8	
Constant Value									0

*In Sequence 90, when loading the data sources, the system automatically defines the Organization information as a constant, with a value of 0. This means that all business partners should be set up using * organization as a default. Thus, this data could be accessible to all of the available organizations.*

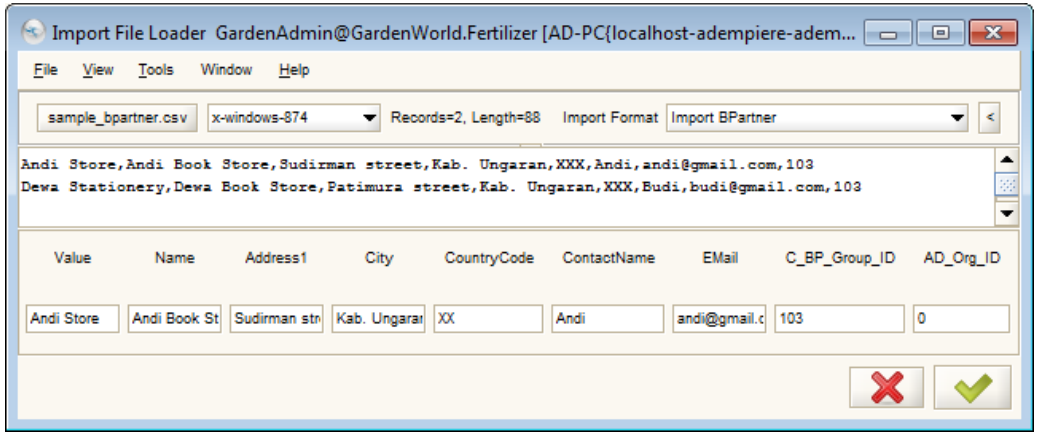
Import raw data with Import File Loader

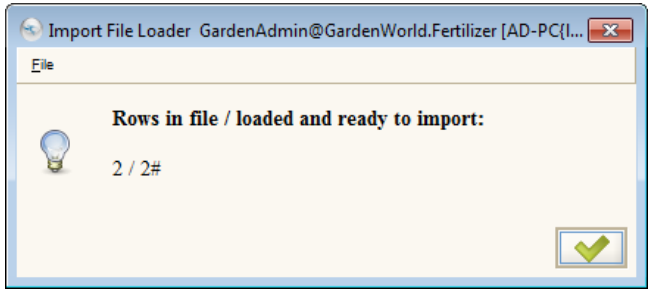
- Create a sample import file, sample_bpartner.csv and save it in C:\
  - This file contain the 2 records of Business Partners.

  Note: The Country Code is incorrect (XXX), we want to test data validation.

```
Andi Store,Andi Book Store,Sudirman street,Kab. Ungaran,XXX,Andi,andi@gmail.com,103
Dewa Stationery,Dewa Book Store,Patimura street,Kab. Ungaran,XXX,Budi,budi@gmail.com,103
```

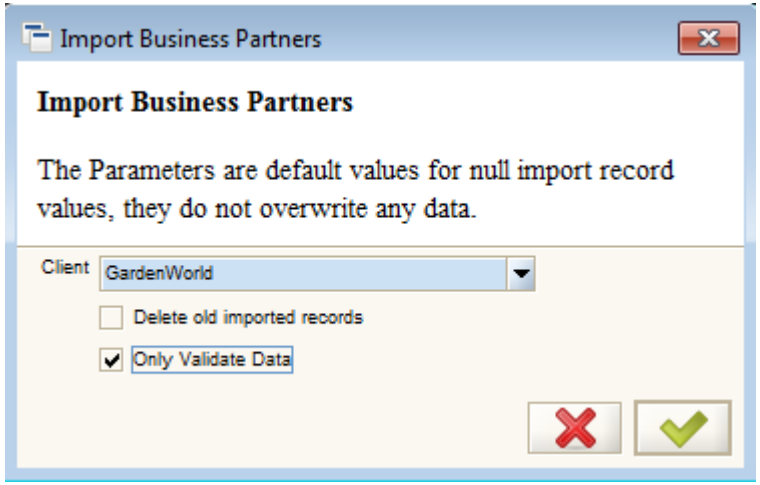
- Login to ADempiere as **Client**
  - **Username:** GardenAdmin
  - **Password:** GardenAdmin
  - **Role:** GardenWorld Admin
  - **Client:** GardenWorld
  - **Organization:** Fertilizer
- Load data with Import File Loader
  - Open **Import File Loader** window
  - Click <Select file to load> button and select C:\sample_bpartner.csv
  - Select Import Format: **Import Bpartner**
  - Click **>** button, you will see that data just fit with the fields below.
  - Click **OK** button to upload to Temp Table.



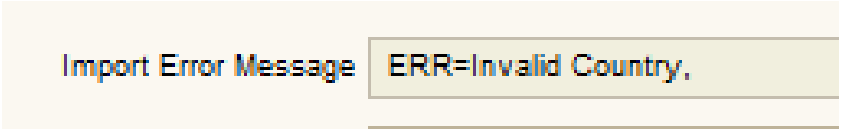


Review data and do the import.

- Review data in Import Bpartner window
  - Open **Import Business Partner** window
  - Click **Refresh** button, you will see data listed here.
  - Click on **Import Business Partners** button,
    - **Client:** GardenWorld
    - **Only Validate Data:** Selected
  - Click **OK**



  - After validate, Refresh page and scroll up to see if there is error

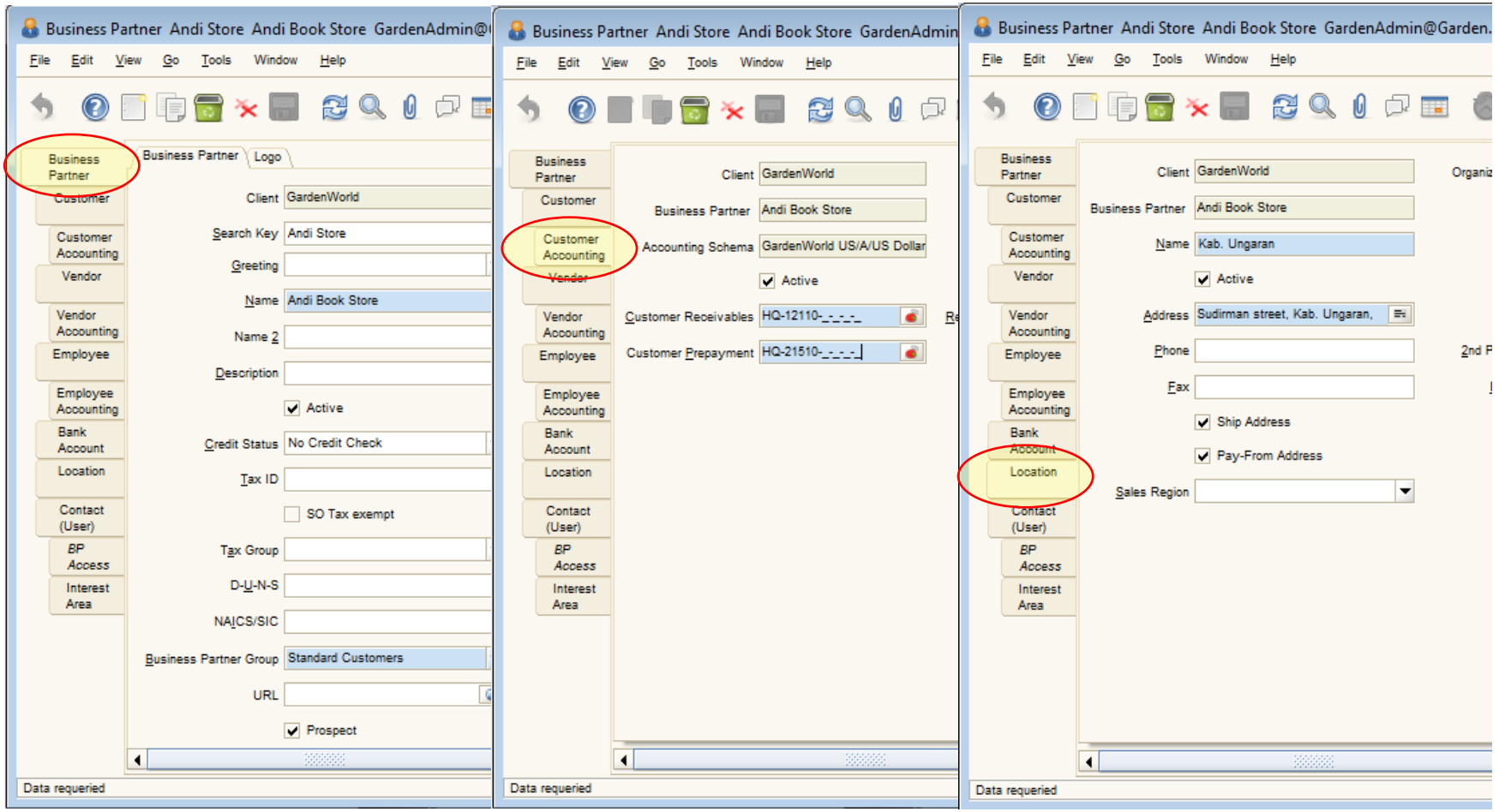


  - As there is **ERR=Invalid Country**, change the Country Code of both record in **C:\ sample_bpartner.csv** to **TH**.
  - Click on **Import Business Partners** button again,
    - **Client:** GardenWorld
    - **Only Validate Data:** Selected
  - This time, there should be no error.

- **Do the real import**
  - Click on **Import Business Partners** button,
    - **Client:** GardenWorld
    - **Only Validate Data:** Unchecked
  - Click **OK** to import.
  - Show summary of the import.

View Business Partner Data after Import

- The beauty of the Import Tools is that, during import, all other related data will be created as necessary. I.e., Default Accounting, Location, Contact, etc.



Test Your Knowledge

1. What is the benefit of using Data Import Tool?
   A. Save Time
   B. Data Verification
   C. Data Lookup
   D. Auto manage of Object ID and Doc #

2. Can we update existing data using Data Import Tool?
3. What if I have more than 1 Location for a Partner, can Data Import Tool help me?
4. The standard data import do not cover all data I need, can I develop my own Data Import Tool?
5. My company have to update currency rate everyday, will Data Import Tool be a good help?

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