



## ***Where Do I Find My Data in Microsoft Dynamics GP?***

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**RG Connect 2014** | Building Now for Your Future

## ***Alternate Session Title***



## ***Dynamics GP Table Structure***

- **Each table has 3 names:**
  - Table Name or Technical Name - Dexterity
    - RM\_Customer\_MSTR
  - Display Name – Report Writer and SLB
    - RM Customer MSTR
  - Physical name – SQL, Crystal, SSRS
    - RM00101
    - Typically 8 characters or less – this is from the early days of GP when there was a limit on table names at the database level
    - Not real friendly: GL20000, SOP10100,SOP10200, CM20300, UPR30300, SY00500, PM00200, etc.

## ***SQL Table Names***

- **There is a method behind the madness!**
- **General Syntax:**
  - 7 – 8 characters
  - First 2 or 3 characters identify the module:
    - AA Analytical Accounting
    - BM Bill of Materials
    - CM Cash Management (incl Bank Rec, Checkbook)
    - CN Collections Management
    - DD Direct Deposit
    - FA Fixed Assets
    - GL General Ledger
    - IV Inventory
    - MC Multicurrency
    - PA Project Accounting

## ***SQL Tables Continued...***

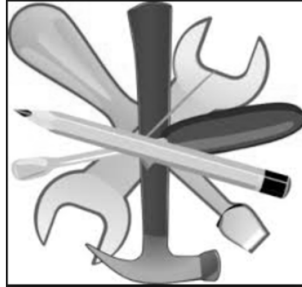
- PM Payables Management
- POP Purchase Order Processing
- RM Receivables Management
- SOP Sales Order Processing
- SY System or company
- UPR US Payroll
- Breaks the mold
  - ME Safe Pay and Electronic Reconcile
  - PP Revenue Expense Deferrals
  - Manufacturing – most of the tables!
  - AHR, APR, BE, HR2, etc. - Human Resources

## ***SQL Numbering Scheme***

- **Number indicates table type:**
  - 0xxxx – Master or Cards (Accounts, Customers, Vendors, Items, Employees, etc)
  - 1xxxx – Work
  - 2xxxx – Open
  - 3xxxx – History
  - 4xxxx – Setup
  - 5xxxx – temp
  - 6xxxx – relation or cross reference
  - 7xxxx – report options
  - 8xxxx – posting journal reprint

## ***Now What?***

- **Different Tools to find the table(s)**



## ***Miscellaneous Tools***

- SQL Query for field names
  - Requires access to SQL but this will give you a list of all tables with a specific field name. Issue is the field names have the same limitation as table names. CUSTNMBR is Customer Number.
  - Not good option for most users.
- Accolade Book – Information Flow and Posting
- Support Debugging Tool
- Report Writer
  - Can get list of display table names (RM Customer MSTR) for a given report
  - WARNING – if you have a shared reports dictionary and you are in RW while users are printing bad things could happen.

## ***Table Import***

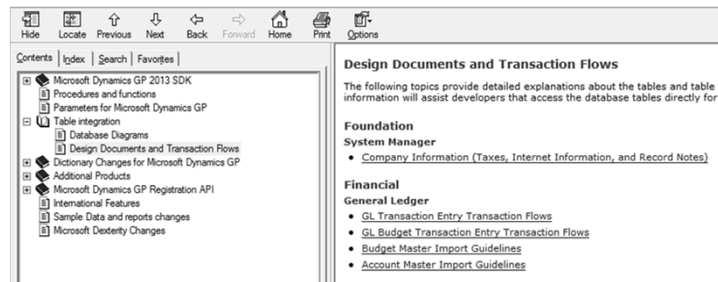
- Availability based on Registration Keys
- Gives you a long list of **Display Table** Names associated with a given window
  - Open GP window, select Tools >> Integrate >> Table Import

## ***GP Resource Descriptions***

- From Microsoft Dynamics GP or any GP window >> Tools >> Resource Descriptions >> Tables
- Cumbersome and Slow
- Tables broken down by Product and Series
- Has all three table names
- Helpful hints:
  - Change View By to "by Table Physical Name"
  - Table Group can help: Master, History, Setup, etc.
- Can Print Table Description – includes the Physical (SQL) field name as well as display name

## ***SDK – Software Developers Kit***

- Free
- GP install media >> Tools >> SDK >> Dynamics GP folder
- Navigate to Design Documents and Transaction Flows
- Find Series, info on the right – opens Word document
- Includes useful field information



## ***Table Buffers***

- **Requires DEX.INI setting:**
  - SCRIPTDEBUGGER=TRUE
  - Open window, pull up data. Debug >> Table Buffers
    - Change Form and start looking at tables. Table is Technical Name (used in Dexterity) but Info will give you the SQL name.

## ***Google!***

- **Free information available online**
  - <http://victoriayudin.com/gp-tables/>
    - Nine modules broken down with most commonly used tables
    - Includes additional table and field information
  - <https://community.dynamics.com/gp/b/gplesliev/archive/2012/05/20/data-flow-and-table-names.aspx>
    - Leslie Vail blog on includes SQL and Display table names for common tables
  - <http://dyndeveloper.com/DynModule.aspx>
    - Subscription for developers but lots of free info

## ***Mark Polino's Table File***

- Excel List of Dynamics GP Tables
- Includes most of the 3<sup>rd</sup> party modules
- Many tabs – broken out by module plus an All Tables tab
  - Can resort or filter as needed
  - Includes all 3 table names
  - <https://community.dynamics.com/gp/b/markpolino/archive/2013/01/03/excel-based-table-and-field-reference-for-dynamics-gp-2013.aspx>

## ***Smartlist Builder – GP2013 R2+***

### **Table Finder**

- New feature from eOne
- Allows user to find table names from a GP window, by field name or by a value in a field. Also can be used from SLB when adding a table.
- [http://blog.eonesolutions.com/2013/12/smartlist-builder-2013-new-feature-of\\_30.html](http://blog.eonesolutions.com/2013/12/smartlist-builder-2013-new-feature-of_30.html)
- Aside: new SLB features eOne blogs
  - <http://blog.eonesolutions.com/2013/12/new-smartlist-builder-features-released.html>
  - <http://blog.eonesolutions.com/2013/12/look-whats-coming-to-smartlist-builder.html>

## ***Demo***

- **Table Import**
- **GP Resource Description**
- **SDK**
- **Excel File**
- **Table Finder**





  
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