



# **ODBC :**

## **What is it and how does it work with MDS ?**

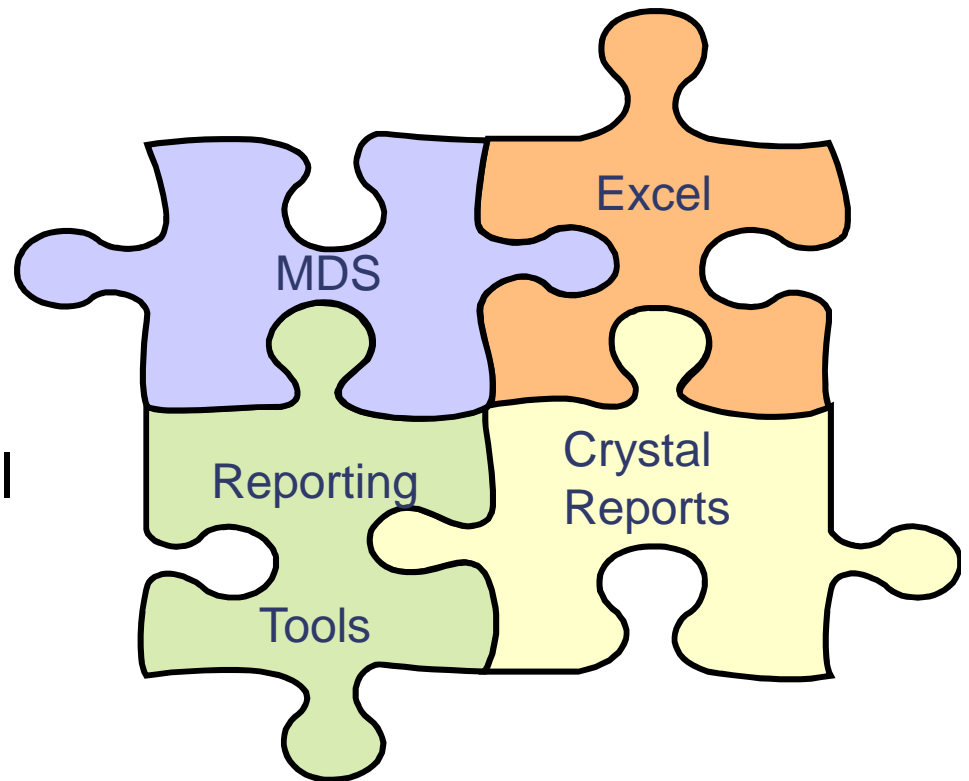


## ODBC = Open DataBase Connectivity

- An interface which allows desktop programs like Excel and Crystal Reports to make SQL (Structured Query Language) data requests to a Database.
- U2 or Universe ODBC is the specific ODBC connector that allows YOU to get data from MDS.

# ODBC

- MDS ODBC Account
  - Now have ability to create and manipulate your own reports, with your data, using various reporting tools.
  - Access to files for:
    - Customer
    - Product
    - Inventory
    - Sales
    - Accounting
  - Can have multiple accounts
- Data Dictionary Tool
- Accessing Tables with Excel
- Crystal Reports



# MDS Data Dictionary- Tables by Area

powered by crystal

Preview Design Order Report Save Report

100% 11 / 11+

Preview

- AP
- AR
- COMP
- CUST
- CL
- INV
- GDBC
- PO
- PRICE
- PROD**
- SALES
- VEND

## PROD

AREA	DESCRIPTION
PROD	<b>Product and Inventory</b> <p>The main tables for storing Product and Inventory information in the MDS system are PROD.MAST and PROD.DET. The PROD.MAST or Product Master Table stores descriptive product level information while the PROD.DET or Product Detail table stores inventory information at the Warehouse and Product level. The PROD.DET table stores the summary inventory information about each Product in a Warehouse such as On Hand, On Order, Locations etc.,. The LOCATION file is used to keep a record of each Location that is valid for a warehouse. The LOT file is used to keep the detail location level inventory. The total On Hand inventory for all items in the LOT file for a specific Product and Warehouse should ALWAYS match the summary inventory On Hand kept in the PROD.DET table. The PROD.DET also keeps track of each location that is in the LOT file for each product in a warehouse.</p> <p><b>INV.AUDIT</b></p> <p>The INV.AUDIT file contains a log of all transactions affecting the on hand inventory position. This file forms the basis of the Inventory Audit report and the Inventory History transaction inquiries. Key: Sequential Counter: 01235</p> <p><b>LOCATION</b></p> <p>The Location table contains a list of all of the Inventory Locations that can be used. The file contains a record for each Warehouse / Location combination. A list of all Products stored in the location is also stored here. Each record also contains information about the Location such as environment, size, and type. Key- Warehouse : Location = 001AAG1-11-1</p> <p><b>LOT</b></p> <p>The LOT file is used to keep detailed Location and/or Lot level inventory for a Product. If the Locator system is on then there will be a record for each Location that a Product is in. If the Lot system is being used then there will be a record for each Location and Lot#. The total On Hand inventory for all the LOT records for a Product matches to the On Hand inventory kept in the PROD.DET file for that Product and Warehouse. Key- Warehouse:Product * Location * Lot# (optional) - 0012345678901-01-1* for example of how data items</p>

start Wind... Microsoft... odbcare... XPSRidd... Forums... Micro... Wind... 5:52 PM

# MDS Data Dictionary – Table Field Listing

The screenshot shows a software application window titled "ODBC Field Listing for : PROD.DET". The window is powered by Crystal Reports. The main content area contains the following text:

The PROD.DET or Product Detail file contains an entry for each product for each warehouse in which it is stored. This file contains basic inventory data, inventory parameters and usage information. The On Hand inventory and list of locations is stored in this table.  
 Key: Warehouse: Product#: 001123456

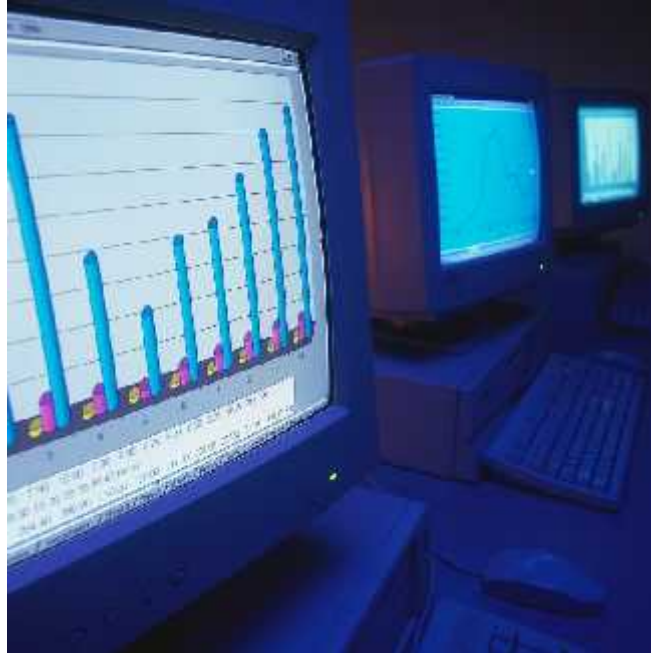
Field Name	Description	Data Type	Length
ACC PHYS CNT	ACCEPTED PHYSICAL COUNT	R	8
ADJ MTD	STOCK ADJUSTMENTS MTD	RN	7
ADJ YTD	STOCK ADJUSTMENTS YTD	RN	7
AUTO LOT	Enter Y to allow Auto Lot Election for this product when parameter 102 is on (Y). Enter N if there should be no Auto Lot Election for this product	L	1
AVAIL		R	6
AVG COST PD	AVERAGE COST FOR THIS WAREHOUSE	N	0
A PROD NO		L	10

The left sidebar of the application shows a list of tables and fields, including:

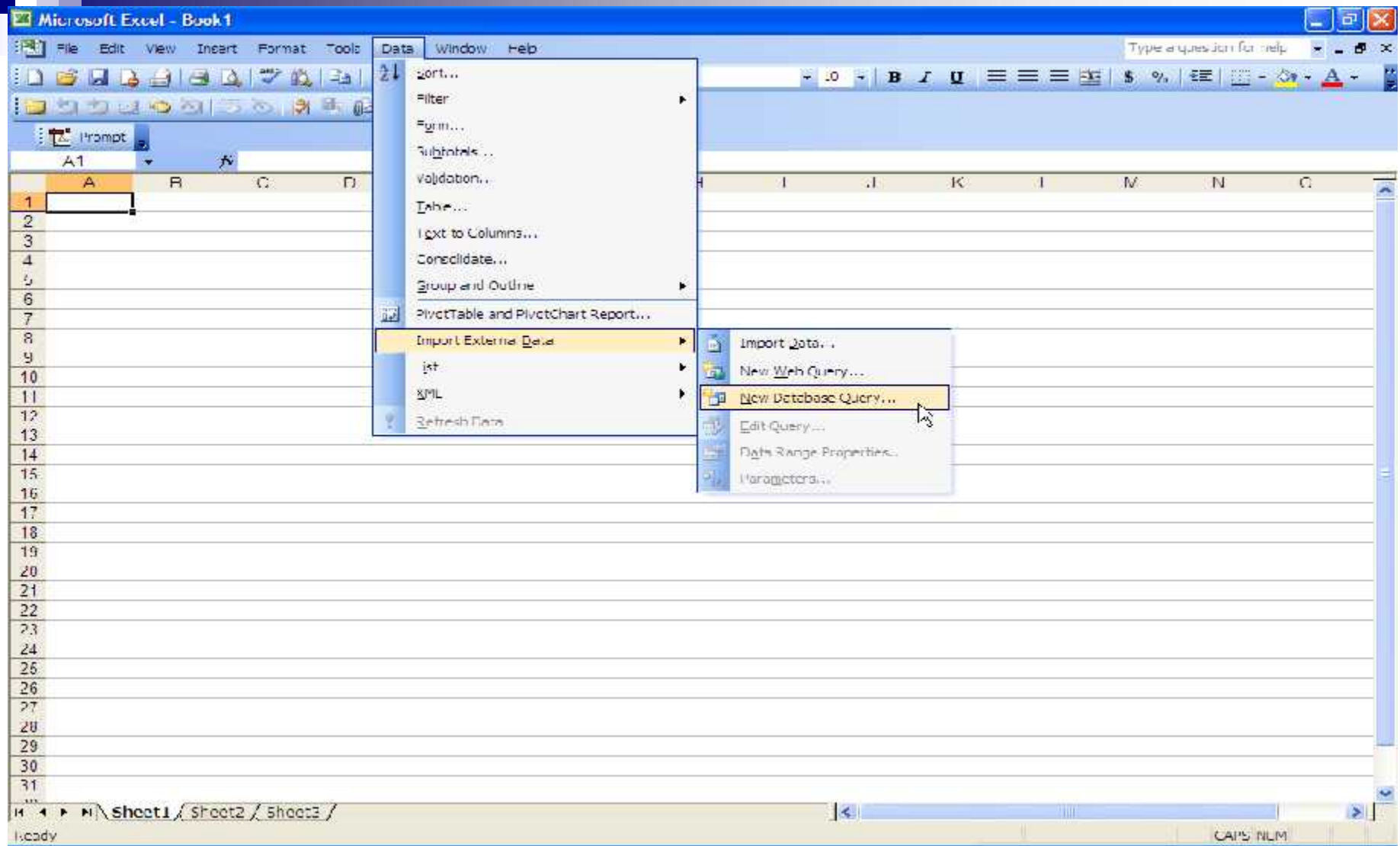
- APCHECK
- APCHECKLIST
- AR
- AR.HIS
- CA
- CONSIGNMENT
- CONTRACT.DET
- COUNTRY
- CUST.DET
- CUST.MAST
- CUMP.OAP
- FIN.RPT
- GA
- GLA.LIST
- F.VOUCHERS
- INV.AUDL
- INV.RCPT
- INVOICE
- MCA9RPT
- MONTH
- QAI
- QINTEEA E
- ORDER.HIST
- PO
- PRICE.1
- PRICE.2
- PRICE.3
- INFO.FORMA
- PROD.DET
- PROD.MAST
- PROSPECT.MAST
- RA
- RELEASE.HIS
- SALES.2
- SALES.3
- SALES.4
- SALES.5

# MDS ODBC and Excel

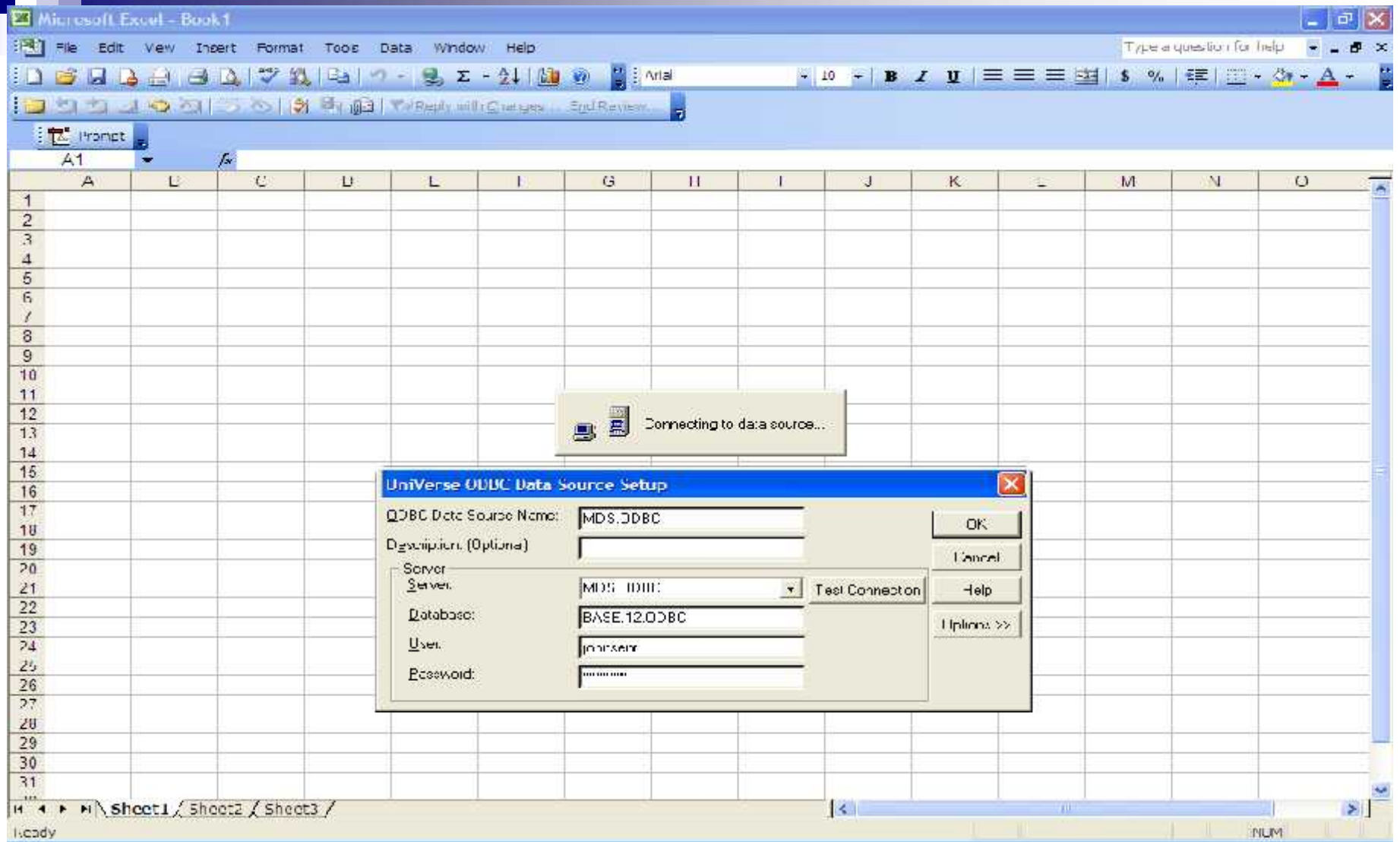
- Ability to connect to MDS database
- Unlike Recall Generator, you can use multiple files to query from
- Create custom reports
- Create custom pivot charts and tables
- Novice users can operate





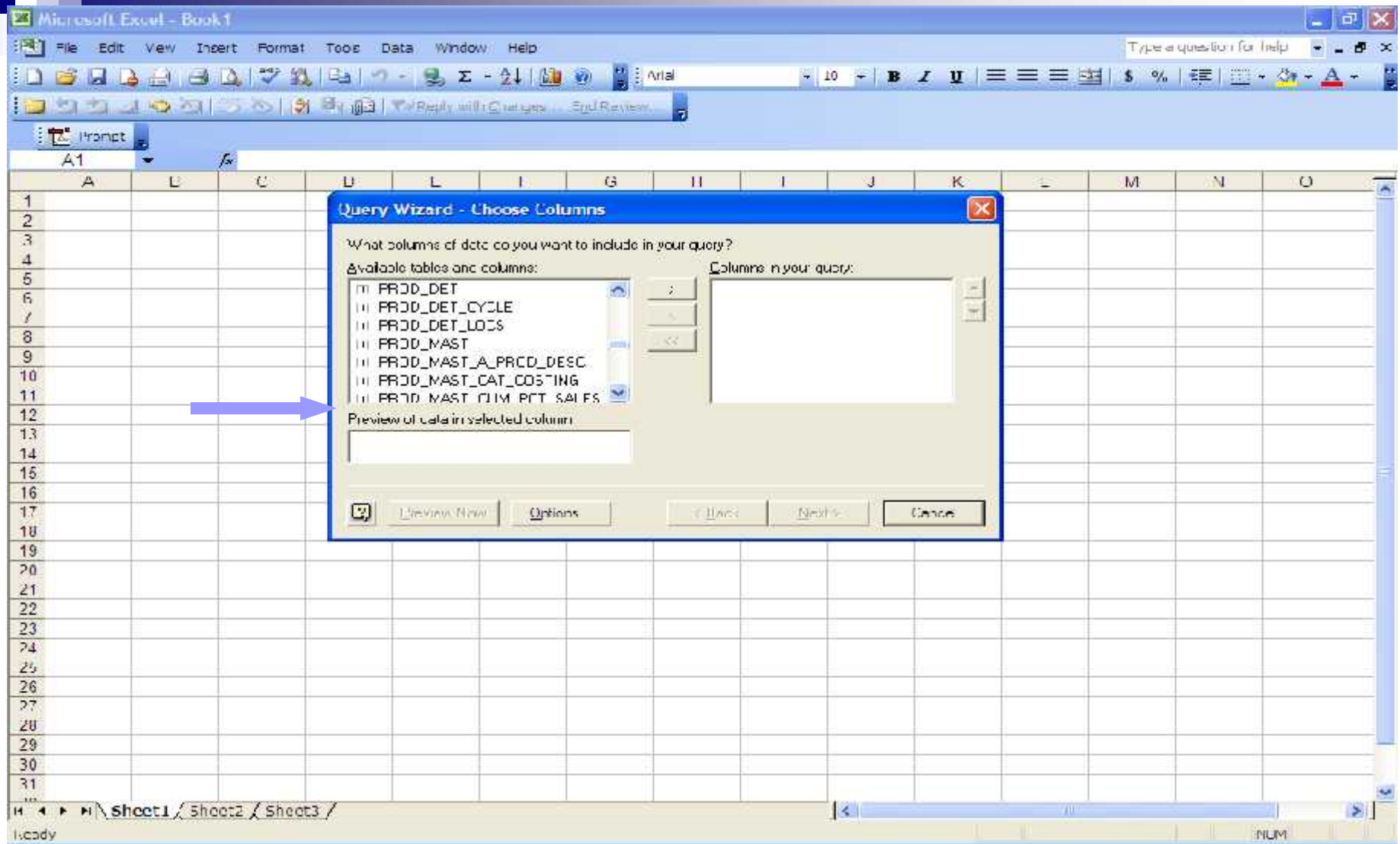


- Importing MDS database to use for query
- Choosing pre-installed data source

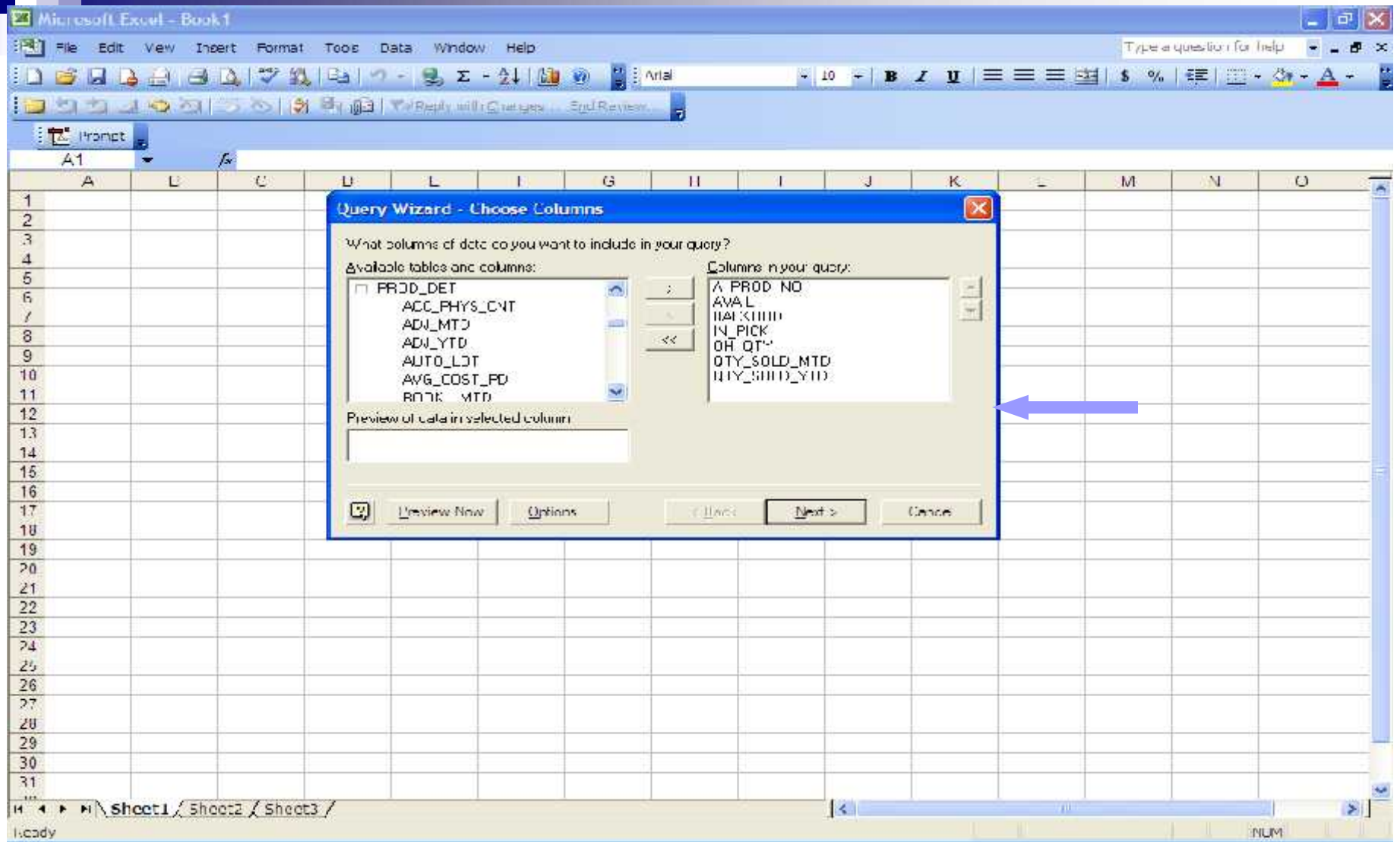


- User supplies password
- Excel connects to MDS Database

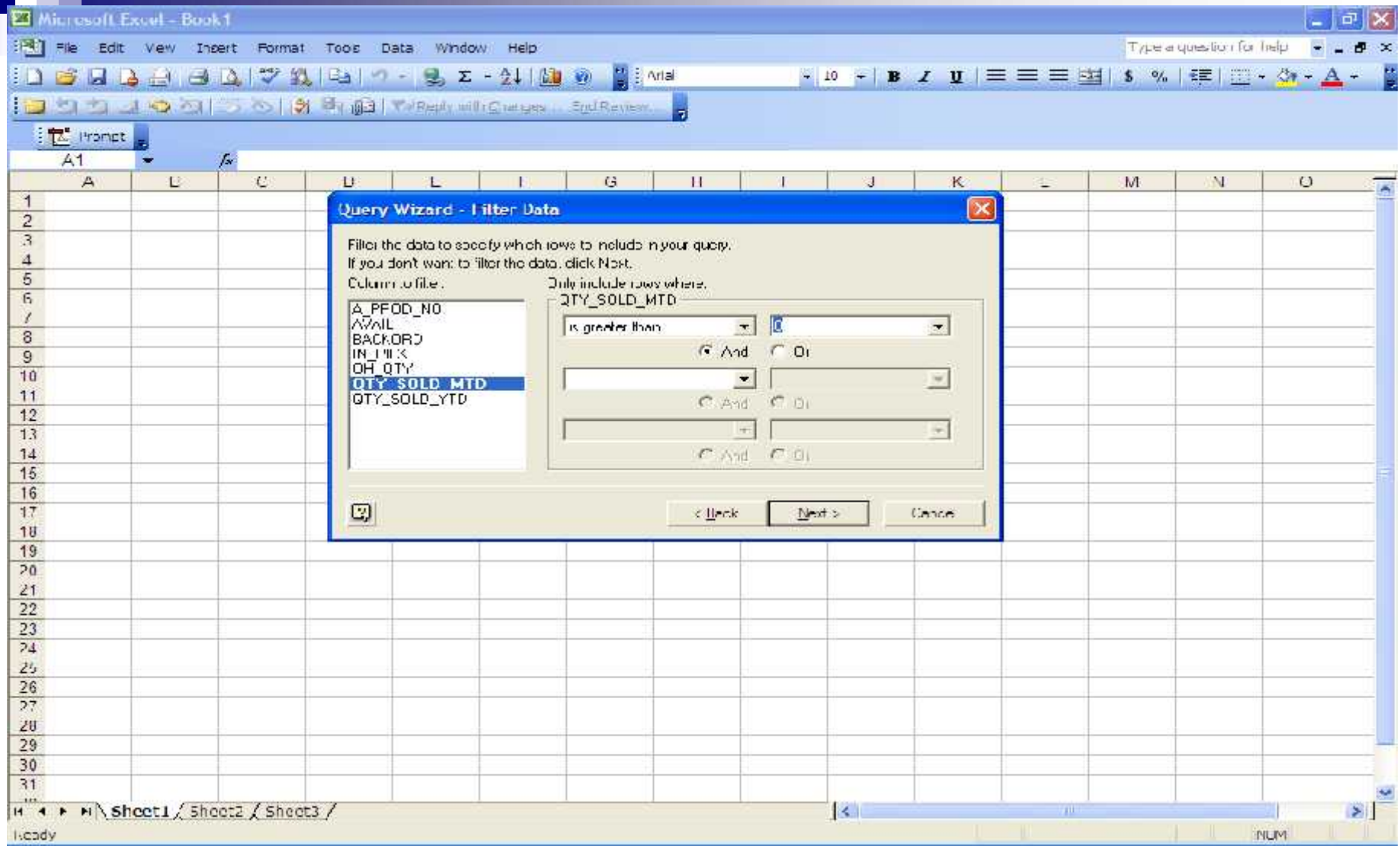




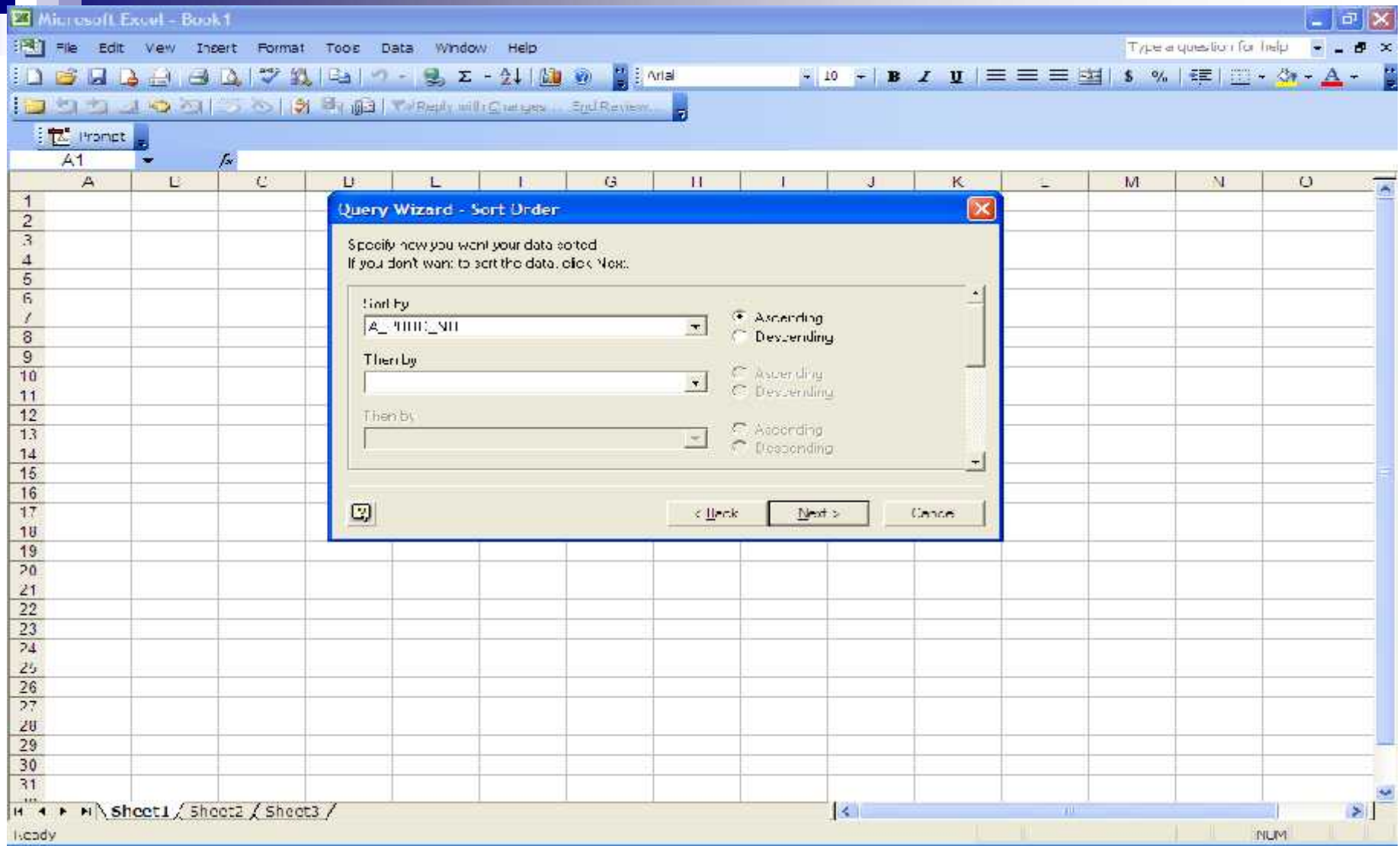
- All available tables are displayed
- Click on “+” next to table to display available columns



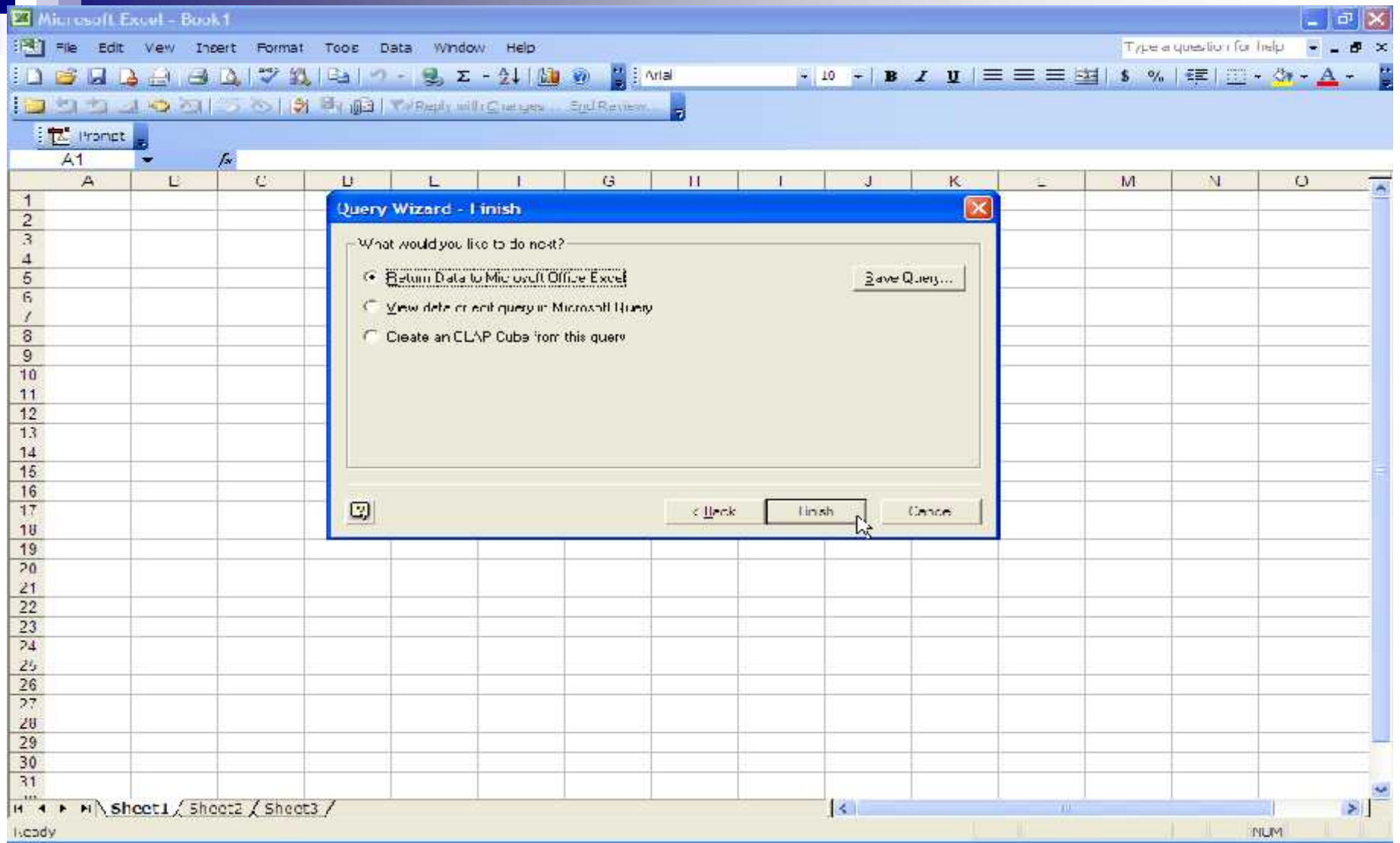
- Available columns are displayed
- Choose columns for your query



- Filter data to specify certain information to include or not include in your query

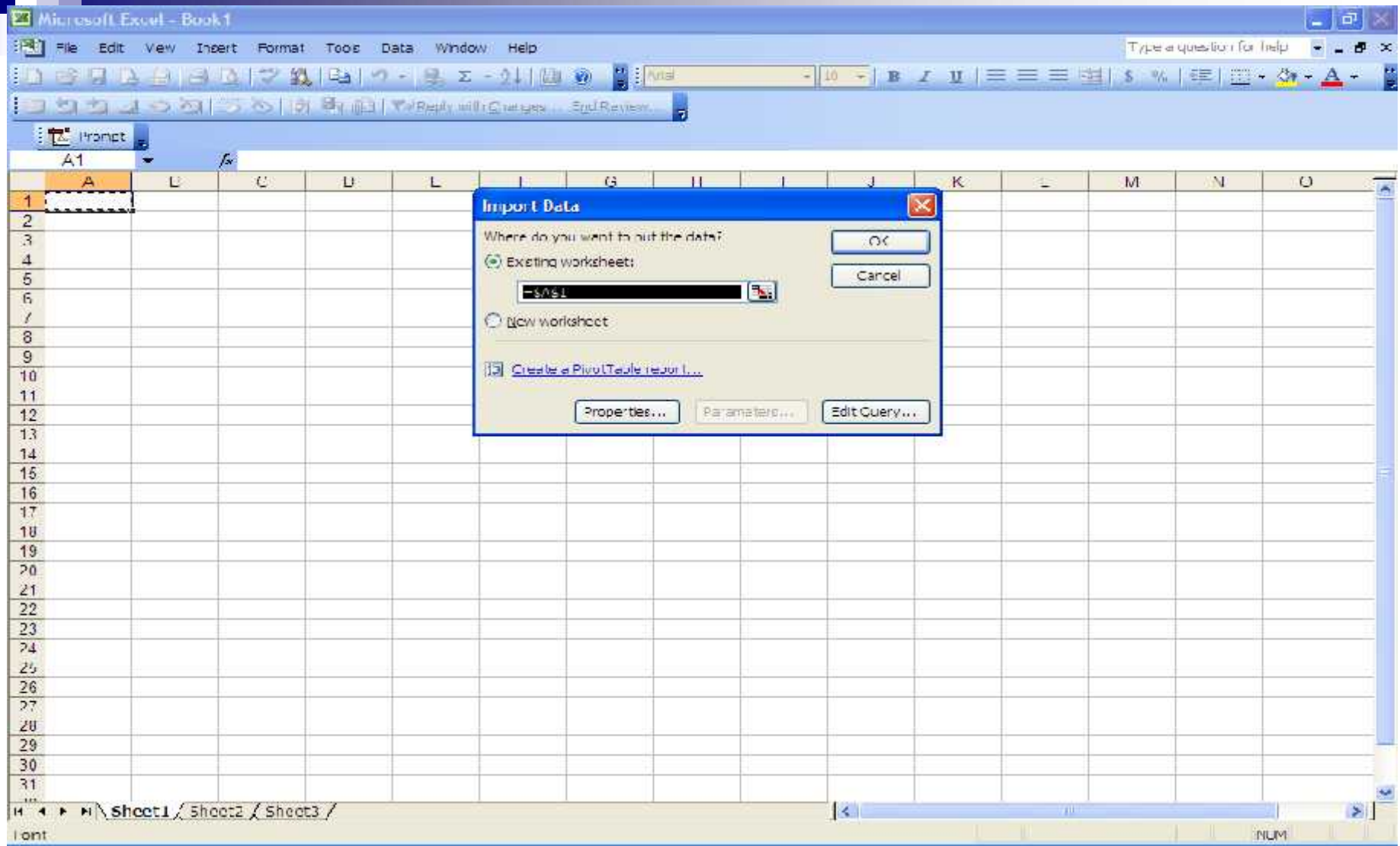


- Specify how you want your data sorted



- Finishing Query Wizard
  - Return Data to Excel
  - Save Query





- Place Data
  - Existing or New Worksheet
  - Create a PivotTable report



Microsoft Excel - Book 1

Type a question for help

File Edit View Insert Format Tools Data Window Help

Arial 10

Print

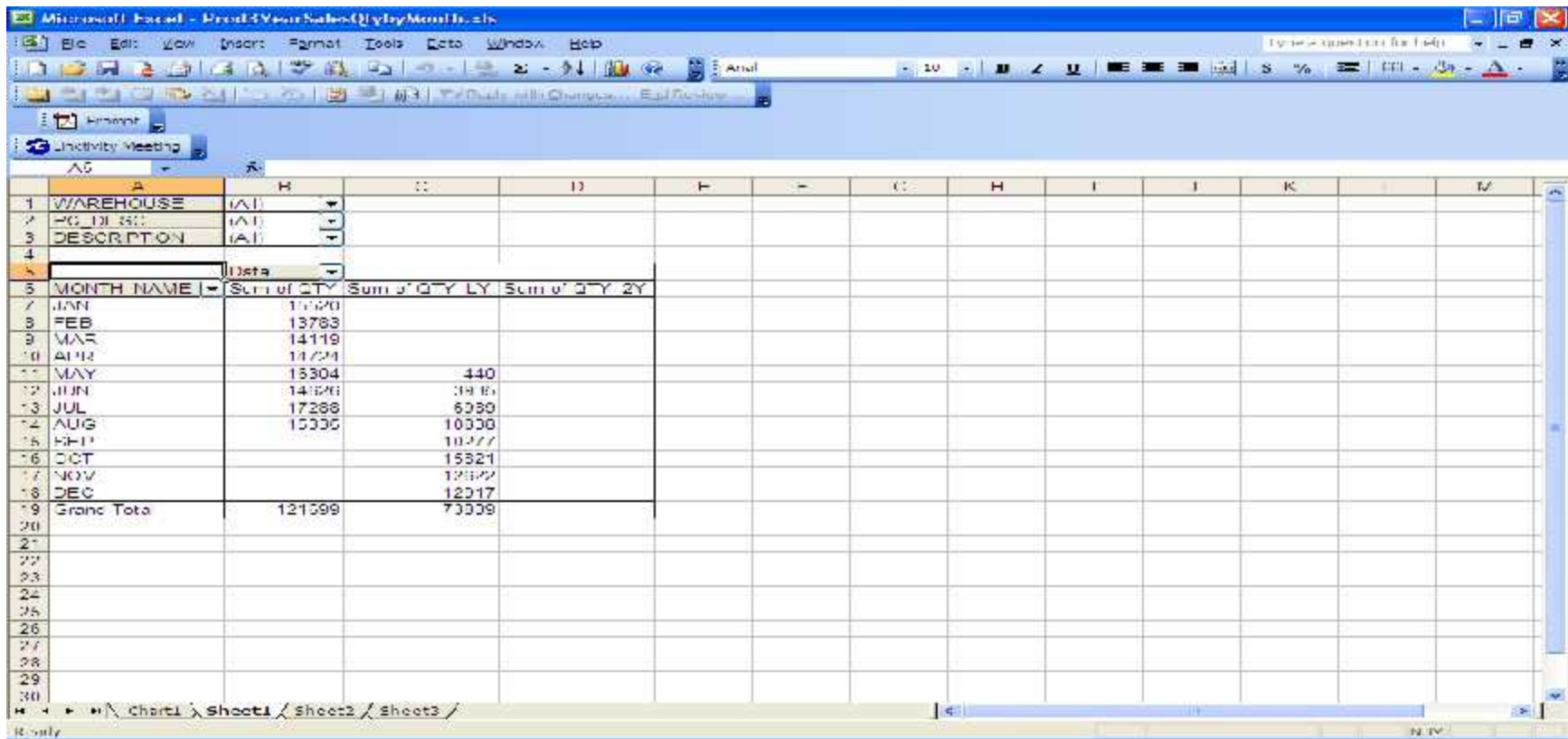
	A	B	C	D	E	F	G	H	I	J	K	L	M
1	PRCD_NO	AVAIL	BACKORD	IN_PICK	CH_QTY	QTY_SOLD_MTD	QTY_SOLD_YTD						
2	101	2680	18	450	1474	23	676						
3	1021	24	0			4	4						
4	10J	4196	1	408	4154	1	1076						
5	105	1727	4	317	561	312	1457						
6	107	1887	16	166	1568	258	459						
7	109	0				12	37						
8	1091	5	0		5	1	1						
9	109T	57	0	40	97	1	1						
10	3M-350I	56	147	1874	1877	10	1210						
11	404	191	0	4	126	2	2						
12	500	5088	0	26	5104	1	2						
13	AP-9600	-32	6	27	1	15	16						
14	AP-9601	-20	1	30	0	7	12						
15	AP-9602	673	0	6	679	15	17						
16	BAILEY	14	6	49	39	3	9						
17	BULK	155	0		155	20	20						
18	CL4mm	276	0	223	499	1	1						
19	GRACE	58	1	1	78	1	10						
20	KN	4	0		2	6	6						
21	KND1048	1250	0	400	1650	350	350						
22	KND1500A	2900	0	500	3400	200	200						
23	KND2824	9150	0	100	9250	350	350						
24	MINI	173	0	1245	950	13	775						
25	PILSW10PP-GRN	40525	0	123	552	24	24						
26	PILSW10PP-RED	48525	0	117	576	18	18						
27	RFRATE	22	0		22	4	4						
28	RICH	132	0	15	63	5	17						
29	SPEX	613	5	33	650	2	23						
30	TEST_LOT	12	0	2	14	1	1						
31	TOM4	10000	41	67	8886	1	3						

Sheet1 Sheet2 Sheet3

licady NLM

- Simple query displayed

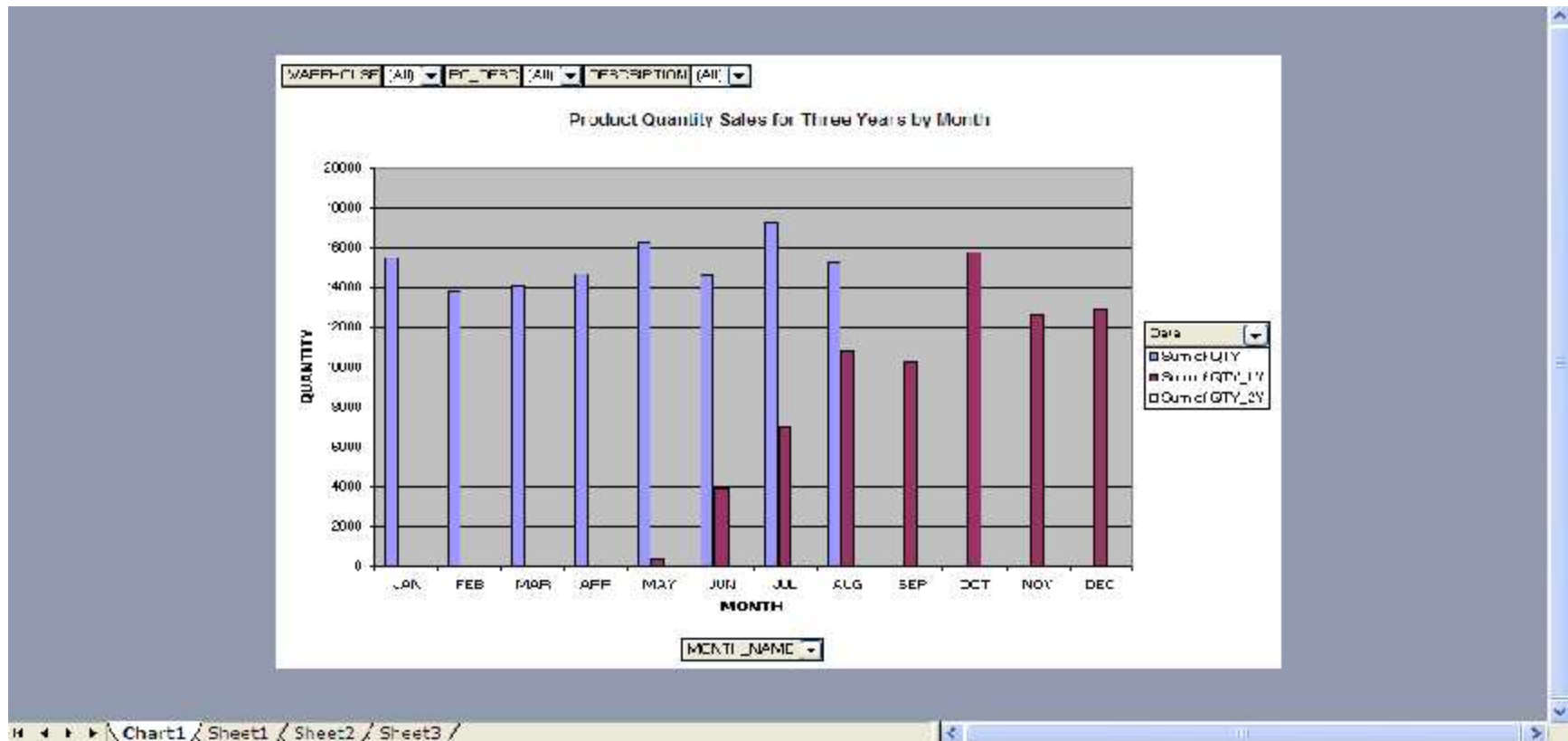
# MDS ODBC and Excel - PivotTable



The screenshot shows a Microsoft Excel window titled "Microsoft Excel - Prod3 View Sales (Qty by Month).xls". The PivotTable is set to show data for "Warehouse" (A1) and "Product Description" (A1). The PivotTable fields are "MONTH NAME" and "Data". The PivotTable is structured as follows:

MONTH NAME	Sum of QTY	Sum of QTY LY	Sum of QTY 2Y
JAN	11620		
FEB	13783		
MAR	14119		
APR	14724		
MAY	15304	440	
JUN	14526	3181	
JUL	17288	6289	
AUG	15335	10330	
SEP		10777	
OCT		15321	
NOV		12822	
DEC		12217	
Grand Total	121599	73339	

# MDS ODBC and Excel - PivotChart





# MDS ODBC and Crystal Reports

- TSH has made the investment to include a full featured Crystal Reports viewer AND Report Design tool as part of WinMDS.
- TSH is working on an on-going project to convert all reports and forms in MDS to use our embedded Crystal Reports interface.
- Ability to add custom Crystal Reports to any MDS menu.
- Ability for End Users to customize MDS Crystal reports and save their own versions for future use.



# WinMDS Integration

- All MDS Menu selections that have a printer symbol to the left of them on the dashboard menu contain either a report or a listing.
- The Listing or Report for that menu selection can be processed by clicking on the printer icon.

# Running an MDS File Listing:

The screenshot displays the MDS for Windows Version 8.4.0 interface. The title bar reads "MDS for Windows Version 8.4.0 [timeshare.tshinc.com 21 HMC CUST.MAINT]". The menu bar includes File, Edit, Settings, Reset, Tools, GUI, PDA, Standard Functions, Special Functions, and Help. The main window is divided into several sections:

- Calendar:** Shows the month of June 2008 with the 10th highlighted.
- Shortcuts:** A section titled "Warehouse and Inventory Management" with a red arrow pointing to the "CUST.MAINT on HMC" menu.
- Tasks:** A table with columns Date, Time, Description, and Status. One task is listed: "06/18/2008 8:00am Call Bob Hayes about the scheduled delivery today."
- Key Indicators:** A table with columns Indicator, Daily, Monthly, This Year, and Last Year.

Indicator	Daily	Monthly	This Year	Last Year
Avg. Daily Sales	\$14,178			
Inventory Value	35,004,323			
- CUST.MAINT on HMC:** A list of menu items: 1.Alpha Customer, 2.Change Alpha Cust/..., 3.Customer / Ship In, 4.Country Code Maintenance, 5.State Code Maintenance, 6.Salesman, 7.Customer Type, 8.Customer Class, 9.Customer Group, 10.Tax Rate, 11.Terms, 12.Territory, 13.Shipping Menu, 14.Mailing System, 15.Commission Type, 16.GPO, 17.Label Menu. A red arrow points to item 8.
- Purchases By Vendor:** A bar chart with a legend for "Total Value" (red) and "Total Received" (green). The y-axis ranges from 0 to 100,000.
- Bottom Panel:** A row of buttons: OF, CONTACTS, MAINT, DBL I, EXECING, REPORTS, CAPT OFF, VIEW, CRMLMFINI, VERM.MFINI, HELP, OK/FND, INSERT, LDR FTE, PRVY DG, NEXT DG, INQUIRY, CANCEL, OFF, and Popup.



# MDS ODBC and Crystal Reporting

Customer Master Listing 05/15/08 14:02:12

Internal Customer ID	External Customer ID	Name	Address 1	Address 2	Address 3	City/State/Zip	Day	Evening	AR Contract	Phone	Term	Credit	Credit Limit
100296	00001	REFRIG INC	185 RAT RD						AR CONTRACT NAME	9902554499	01	05	0000
100356	001	FRISVOLD	6045P 1	1013 RT 13							01	05	
100356	005	MUNROE	6045P 001	1033 RT 16							01	05	
015083	015083	CLIFTON	ACCO - MAINE	1202 HAMMOND STREET						207-642-5273	01	05	
100254	1	KANSON	TEST CUSTOMER	AC1	AC2	AC3					01	05	1

0

000

Preview

- Preview
  - When running a Crystal Report in WinMDS, the Crystal Report viewer will display the report

# MDS ODBC and Crystal Reporting

Crystal Viewer Output options:

- Export Report
- Print Report

Internal Customer #	Customer #	Name	Address 1	Address 2	Address 3	City, State	Zip	Tax	Tax Juris	AF Contact	Phone	Term	Credit	Credit Limit
100288	000C1	RAFAEL INC	65 BAY RD					N		AF CONTACT NAME	999-555-9999	03	CS	89000
100356	001	FAIRVIEW	WMSR 1	043 RT 43		NJ	07822	N				01	CS	
							07813	N				01	CS	
							07813	N			201-942-0273	01	CS	
							07101	N				01	CS	1
			AD2	AD3	CLIFTON	NJ	07013							
100376	100L	ST. MARY'S MEDICAL CENTER	2000 CORPORA AVENUE					N	2		212-903-0400	01	CS	0
100348	100C05	RYF	TESTING CUSTOMER	63 VALLEY ROAD		NY	17565-1633	N				01	CS	30000
							07150							

# MDS ODBC and Crystal Reporting

The screenshot shows the Crystal Reports interface with a report titled "Customer Master Listing" in preview mode. The report displays a table of customer data. An "Export" dialog box is open, showing the following options:

- Format:
- Adobe Acrobat (PDF)
- Crystal Reports (RPT)
- HTML 3.2
- HTML 4.0
- Microsoft Excel 97-2000 (XLS)
- Microsoft Excel 97-2000 - Data only (XLS)
- Microsoft Word (RTF)

Buttons: OK, Cancel, Help

**Crystal Viewer Output options:**

- Export Report
- Print Report

Internal Customer #	Customer #	Name	Address 1	Address 2	Address 3	City, State	Zip	Phone	Fax	Other
100288	000C1	RAFAEL INC	65 BAT RD							
100356	001	FAIRVIEW WMSR I	043 RT 43							
100376	100L	ST. MARY'S MEDICAL CENTER	2000 CORP DR	AVENUE						
100348	100C05	RYF TESTING CUSTOMER	63 VALLEY ROAD							

# MDS ODBC and Crystal Reporting

Crystal Viewer Output options:

- Export Report
- Print Report

Internal Customer #	Customer #	Name	Address 1	Address 2	Address 3	City, State	Zip	Tax	Tax Juris	AF Contact	Phone	Term	Credit	Credit Limit
100288	000C1	RAFAEL INC	65 BAY RD					N		AF CONTACT NAME	999-555-9999	03	CS	89000
100356	001	FAIRVIEW	WMSR 1	043 RT 43		NJ	07822	N				01	CS	
							07813	N				01	CS	
							07813	N			201-942-0273	01	CS	
							07101	N				01	CS	1
			AD2	AD3	CLIFTON	NJ	07013							
100376	100L	ST. MARY'S MEDICAL CENTER	2000 CORPORA AVENUE					N	2		212-903-0400	01	CS	0
100348	100C05	RYF	TESTING CUSTOMER	63 VALLEY ROAD		NY	17565-1633	N				01	CS	30000
							07150							

# MDS ODBC and Crystal Reporting

The screenshot displays the Crystal Reports software interface. A 'Page Setup' dialog box is open, showing the following settings:

- Paper:** Size and Source dropdown menus.
- Orientation:** Portrait (unselected), Landscape (selected).
- Margins (inches):** Left: 0.2, Right: 0.2, Top: 0.166, Bottom: 0.166. An 'Adjust Automatically' checkbox is present and unchecked.
- Printer Options:** 'No Printer (optimize for screen display)' is selected. A 'Printer...' button is available.

The background shows a report preview with a table of data. The table has columns: 'Phone', 'Term', 'Credit', and 'Credit Limit'. The data rows are as follows:

Phone	Term	Credit	Credit Limit
999-555-9999	03	05	89000
	01	05	
	01	05	
201-442-0273	01	05	
	01	05	1
212-303-0400	01	02	0
	01	05	30000

Below the table, there is a section for 'EXISTING CUSTOMER' and '05 VALLEY ROAD'. At the bottom, it says 'CLIFTON NJ 07035'.

- Crystal Viewer Output
  - Export Report
  - Print Report

# MDS ODBC and Crystal Reporting

The screenshot shows the Crystal Reports interface with two 'Page Setup' dialog boxes open. The foreground dialog is for printer selection, showing 'PSC 2355' as the selected printer. The background dialog shows printer options, including 'No Printer (optimize for screen display)'. The main window displays a report preview with a table of data.

**Page Setup (Foreground)**

Printer:  
Name: PSC 2355  
Status: Ready  
Type: HP PSC 2350 series  
Where: \\DFS4951\HPPSC235  
Comment:

**Page Setup (Background)**

Printer Options:  
 No Printer (optimize for screen display)

**Report Preview (Background)**

Internal	External	Credit	Credit
100288	0000		
100356	001		
100376	1001		
100348	10006		

Table with columns: Term, Month, Credit Limit. Page 1 of 20.

- Crystal Viewer Output
  - Export Report
  - Print Report





Customer Master Listing 05/15/08 14:02:12

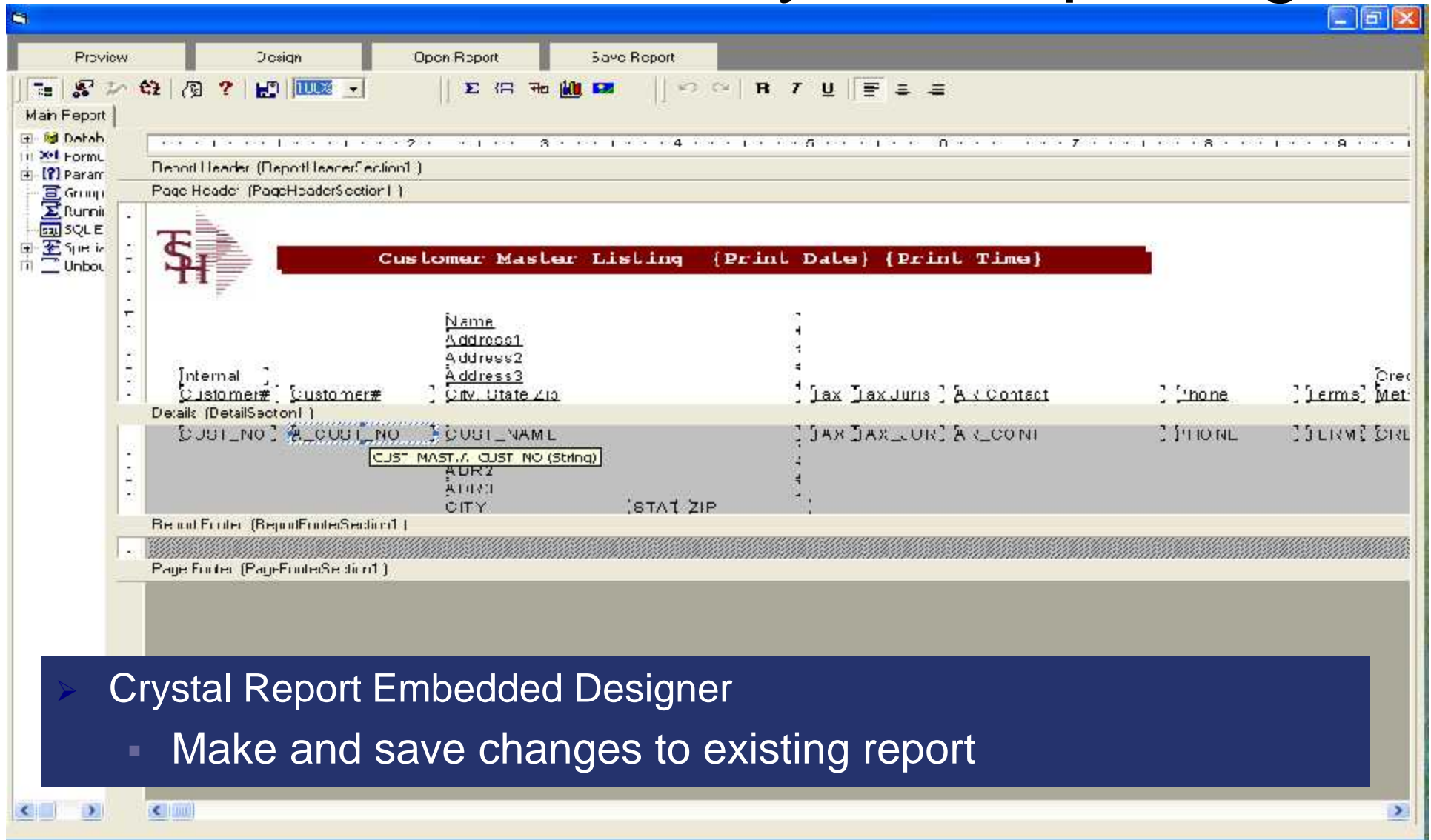
Internal Customer#	Customer#	Name Address1 Address2 Address3 City, State Zip	Tax	Tax Jurts	AR Contact	Phone	Terms	Credit Meth.	Credit Limit
100288	00001	RAFAEL INC 185 BAT RD	N		AR CONTACT NAME	999-555-9999	03	05	89000
100356	001	FAIRVIEW WHSE 1 1043 RT 43	N				01	05	
100355	002	MONROE WHSE 002 1033 RT 46	N				01	05	
015083	015083	CLIFTON ADCO - MAINE 1292 HAMMOND STREET	N			207-942-5273	01	05	
100254	1	BANGOR TEST CUSTOMER AD1 AD2 AD3	N				01	05	1
100076	1000	CLIFTON ST. MARYS MEDICAL CENTER 2600 CORPORATE AVENUE	N	2		212-303-0400	01	02	0
100049	100006	RYE TESTING CUSTOMER 105 VALLEY ROAD	N				01	05	50000
		CLIFTON NJ 07152							

Pages

Attachments

Comments

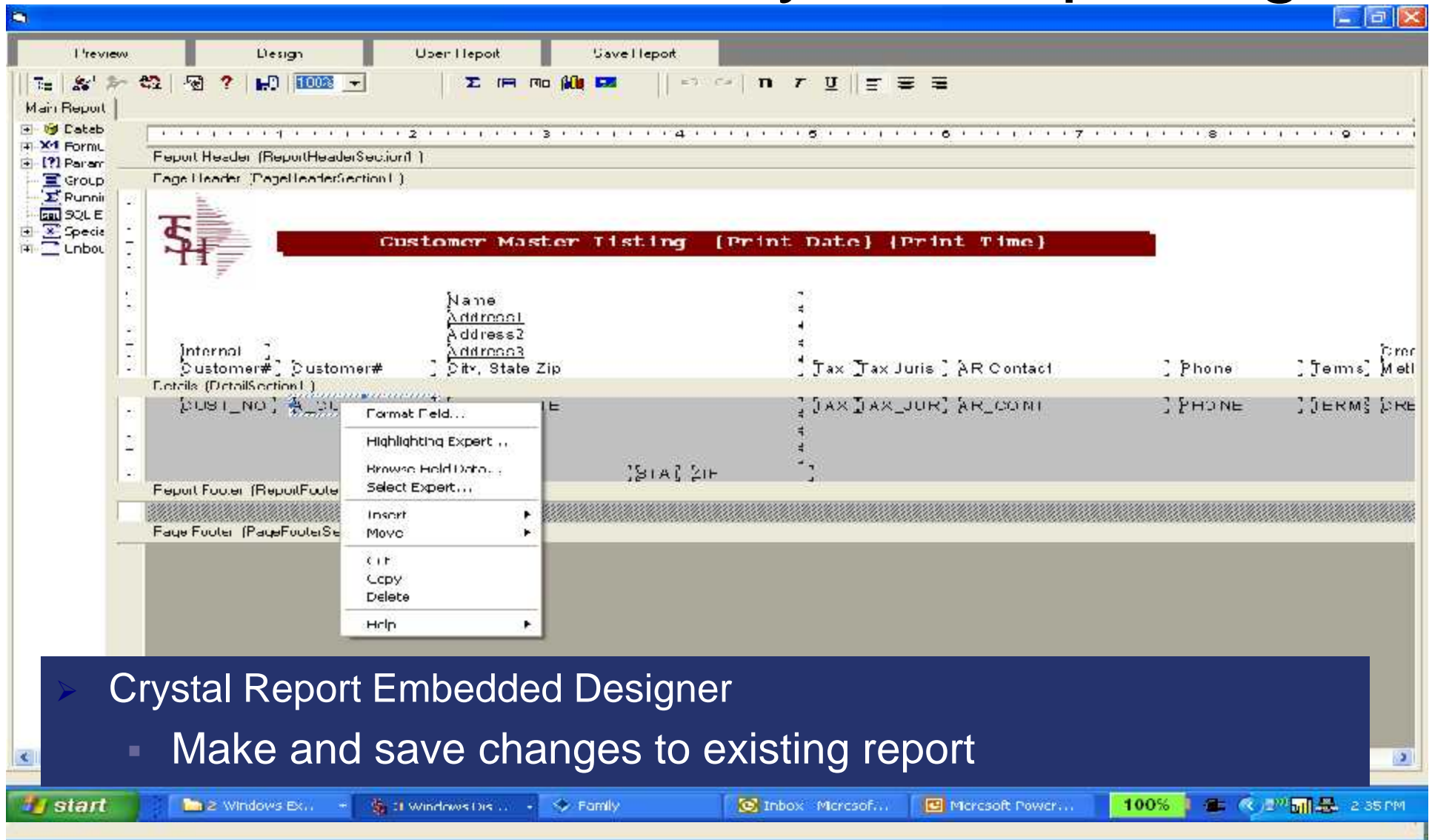
# MDS ODBC and Crystal Reporting



The screenshot displays the Crystal Report Embedded Designer interface. The main report area shows a design for a 'Customer Master Listing' report. The report includes a header section with a logo and the title 'Customer Master Listing {Print Date} {Print Time}'. Below the header is a table with columns for 'Name', 'Address1', 'Address2', 'Address3', 'City', 'State', 'Zip', 'Tax', 'Tax Juris', 'Contact', 'Phone', 'Terms', and 'Met'. The table is currently in design mode, with a tooltip showing the field 'CUST\_MAST.. CUST\_NO (String)'. The interface also shows a 'Main Report' pane on the left with various report elements like 'Detail', 'Form', 'Param', 'Group', 'Runni', 'SQL', 'Spec', and 'Unbol'. The top menu bar includes 'Preview', 'Design', 'Open Report', and 'Save Report'.

- Crystal Report Embedded Designer
  - Make and save changes to existing report

# MDS ODBC and Crystal Reporting



The screenshot displays the Crystal Report Embedded Designer interface. The report is titled "Customer Master Listing [Print Date] [Print Time]". The report design includes a header section with a logo and a table with the following columns: Internal Customer#, Customer#, Name, Address1, Address2, Address3, City, State, Zip, Tax, Tax Juris, AR Contact, Phone, Terms, and Mtd. A context menu is open over the table, showing options such as "Format Field...", "Highlighting Expert...", "Browse Field Data...", "Select Expert...", "Insert", "Move", "Cut", "Copy", "Delete", and "Help".

- Crystal Report Embedded Designer
  - Make and save changes to existing report

# MDS ODBC and Crystal Reporting

The screenshot displays the Crystal Report Embedded Designer interface. The main window shows a report design for 'Customer Master Listing [Print Date]'. The report includes a header section with a logo and a table with columns for 'Internal Customer#', 'Customer#', 'Name', 'Address1', 'Address2', 'Address3', 'City, State Zip', and 'Tax'. A context menu is open over the 'Customer#' field, listing options such as 'Format Field...', 'Highlighting Expert...', 'Browse Field Data...', 'Select Expert...', 'Insert', 'Move', 'Cut', 'Copy', 'Delete', and 'Help'. A 'Format Field' dialog box is also open, showing settings for font (Arial), style (Regular), size (10), and color (Black). The Windows taskbar at the bottom shows the start button, open windows, and system tray with the time 2:35 PM.

- Crystal Report Embedded Designer
  - Make and save changes to existing report

# MDS ODBC and Crystal Reporting

The screenshot displays the Crystal Reports design view. The interface includes a menu bar (Preview, Design, Over Report, Save Report), a toolbar with various report design tools, and a left-hand pane for report structure. The main design area shows a report header with a logo and a title bar. Below the title bar is a table with columns for customer information. The table structure is as follows:

Internal	Customer#	Customer#	Name	Address1	Address2	Address3	City	State	Zip	Tax	Tax Juris	Air Contact	Phone	Terms	Direct

The report also includes sections for Report Footer and Page Footer.







# Crystal Reports – Save Report

The screenshot shows the Crystal Reports application interface. At the top, there are tabs for 'Preview', 'Design', 'Over Report', and 'Save Report', with 'Save Report' currently selected. Below the tabs is a toolbar with navigation icons and a zoom level of 71%. The main area displays a preview of a report titled 'Customer Master Listing' with a timestamp of '07/15/08 14:41:50'. The report contains a table of customer data with columns for Internal Customer #, Customer #, Name, Address 1, Address 2, Address 3, City, State, Zip, Tax, Tax Juris, AP Contact, Phone, Term, Credit Motl., and Credit Lim L.

Internal Customer #	Customer #	Name	Address 1	Address 2	Address 3	City	State	Zip	Tax	Tax Juris	AP Contact	Phone	Term	Credit Motl.	Credit Lim L
100200	00001	RATACL INC	185 BAY NJ						II		AR CONTACT NAME	959-350-9995	03	05	00000
100365	001	FARMVIEW WHSE 1	1045 MI L				NJ	07022	II				01	05	
100365	002	MONROE WHSE 002	1035 RT 40				NJ	07033	II				01	05	
05083	015083	CLIFTON ADCC - MAINE	1292 HAMMOND STREET				NJ	07030	II			207-942-5273	01	05	
100254	1	BAROCD TEST CUSTOMER	AD	AD2	AD3		ME	04401	II				01	05	
100016	1000	CLIFTON ST. MARYS MEDICAL CENTER	2000 GORIO FATZ AVENUE				NJ	07033	II	2		212-525-4100	01	02	0
100019	100008	CLIFTON RYE TESTING-CUSTOMER	106 VALLEY ROAD				NY	12663 4333	II				01	05	50000
		CLIFTON					NJ	07162							

# Crystal Reports – Save Report

The screenshot shows the Crystal Reports application interface. The main window is in 'Preview' mode, displaying a report with a table. A 'Save As' dialog box is open, allowing the user to save the report. The dialog shows the file name 'Cust Listing NEW.rpt' and the save location 'Reports'. The report preview in the background shows a table with columns: 'Tax Juris', 'AP Contact', 'Phone', 'Terms', 'Credit Mot.', and 'Credit Limit'. The table contains several rows of data, including contact information for 'AR CONTACT NAME' and phone numbers like '959-350-9995' and '207-942-5273'. The footer of the report indicates '© CLIFTON NJ 07162'.

Tax Juris	AP Contact	Phone	Terms	Credit Mot.	Credit Limit
	AR CONTACT NAME	959-350-9995	03	00	0000
			01	05	
			01	05	
		207-942-5273	01	05	
			01	05	
		212-525-4100	01	02	0
			01	05	50000

# Crystal Reports – Save Report

The screenshot shows the Crystal Reports application interface. At the top, there are tabs for 'Preview', 'Design', 'Over Report', and 'Save Report', with 'Save Report' currently selected. Below the tabs is a toolbar with navigation icons and a zoom level of 71%. The main area displays a preview of a report titled 'Customer Master Listing' dated 07/15/08. The report contains a table with the following columns: Internal Customer #, Customer #, Name, Address 1, Address 2, Address 3, City, State, Zip, Tax, Tax Juris, AP Contact, Phone, Term, Credit Motl., and Credit Lim #.

Internal Customer #	Customer #	Name	Address 1	Address 2	Address 3	City	State	Zip	Tax	Tax Juris	AP Contact	Phone	Term	Credit Motl.	Credit Lim #
100200	00001	RATACL INC	185 BAY NJ								AR CONTACT NAME	959-350-9995	03	05	00000
100365	001	FARMVIEW WHSE 1	1045 MI LN				NJ	07022					01	05	
100365	002	MONROE WHSE 002	1035 RT 40				NJ	07033					01	05	
05083	015083	CLIFTON ADCC - MAINE	1292 HAMMOND STREET				NJ	07030				207-942-5273	01	05	
100254	1	BAROCD TEST CUSTOMER	AD	AD2	AD3		ME	04401					01	05	
10006	1000	CLIFTON ST. MARYS MEDICAL CENTER	2000 CORRI FATZ AVENUE				NJ	07033		2		212-525-4100	01	02	0
10009	100008	CLIFTON RYE TESTING-CUSTOMER	106 VALLEY ROAD				NJ	07162					01	05	50000

# Crystal Reports – Save Report

The screenshot shows the Crystal Reports application interface. The 'Save Report' tab is active. A 'Choose Report Source' dialog box is open, displaying a list of report sources: 'MDS Standard Reports', 'Shared Reports', and 'User Reports'. The background report is a 'Customer Master Listing' with the following data:

Internal Customer#	Customer#	Name	Address 1	Address 2	Address 3	City, State, Zip	Tax	Tax Juris	AP Contact	Phone	Terms	Credit	Credit Limit
									AR CONTACT NAME	959-350-9995	03	00	00000
0 5083	015083	CLIFTON	ADCO - MAINE	1292 HAMMOND STREET		NJ 07030				207-942-5273	01	05	
100254	1	BAROCC	TEST CUSTOMER	AD		ME 04401					01	05	
100016	1000	CLIFTON	ST. MARYS MEDICAL CENTER	2000 CORRIJATO AVENUE		NJ 07030		2		212-525-4100	01	02	0
100019	100008	RYE	TESTING-CUSTOMER	106 VALLEY ROAD		NY 10863 4333					01	05	50000
		CLIFTON				NJ 07102							

# Crystal Reports – Save Report

The screenshot shows the Crystal Reports application interface. At the top, there are tabs for 'Preview', 'Design', 'Over Report', and 'Save Report', with 'Save Report' currently selected. Below the tabs is a toolbar with navigation icons and a zoom level of 71%. The main area displays a preview of a report titled 'Customer Master Listing' with a timestamp of '07/15/08 14:41:50'. The report contains a table of customer data with columns for Internal Customer #, Customer #, Name, Address 1, Address 2, Address 3, City, State, Zip, Tax, Tax Juris, AP Contact, Phone, Term, Credit Motl., and Credit Lim L.

Internal Customer #	Customer #	Name	Address 1	Address 2	Address 3	City	State	Zip	Tax	Tax Juris	AP Contact	Phone	Term	Credit Motl.	Credit Lim L
100200	00001	RATACL INC	185 BAY NJ								AR CONTACT NAME	959-350-9995	03	05	00000
100365	001	FARMVIEW WHSE 1	1045 MI L				NJ	07022					01	05	
100365	002	MONROE WHSE 002	1035 RT 40				NJ	07033					01	05	
05083	015083	CLIFTON ADCC - MAINE	1292 HAMMOND STREET				NJ	07030				207-942-5273	01	05	
100254	1	BAROCC TEST CUSTOMER	AD	AD2	RUE		ME	04461					01	05	
10006	1000	CLIFTON ST. MARYS MEDICAL CENTER	2000 CORRI FATZ AVENUE				NJ	07033		2		212-525-4100	01	02	0
10009	10008	CLIFTON RYE TESTING-CUSTOMER	106 VALLEY ROAD				NY	12663 4333					01	05	50000
		CLIFTON					NJ	07162							

# Crystal Reports – Save Report

The screenshot shows the Crystal Reports application interface. The main window is in 'Preview' mode, displaying a report with a table of data. An 'Open' dialog box is overlaid on the report, showing the file 'Cus\_Listing\_NEW.rpt' selected in the 'Reports' folder. The dialog box includes fields for 'File name' and 'Files of type', and buttons for 'Open' and 'Cancel'. The report preview in the background shows a table with columns for 'AP Contact', 'Phone', 'Term', 'Credit', and 'Credit Limit'. The table data is as follows:

AP Contact	Phone	Term	Credit	Credit Limit
AR CONTACT NAME	959-350-9995	03	60	0000
		01	65	
		01	65	
	207-912-5273	01	65	
		01	65	
	212-525-4100	01	62	0
		01	65	50000





# Crystal Reports Parameters


- MDS includes the ability to pass Crystal Reports Parameters transparently to the Crystal Reports viewer.
  - Allows us to automatically popup a specific report based on MDS processing, such as bringing up a specific quote during Quote Inquiry.
  - Allows us to automatically print or archive a specific report during MDS processing such as a PO or an Invoice.

# MDS Quote Export

Review    Details    Print Report    Save Report

Business Objects

Preview  
01101424



**The Systems House, Inc.**  
1035 Route 4E E.  
CLIFTON NJ 07011

Phone: 973-777-0050    Fax: 973-777-3063

Invoice Date: 07/12/07  
Proforma #: 01101424

## Proforma

BILL TO	SHIP TO
UVC UNIVERSITY MEDICAL CENTER 1 STATION PLAZA TEST 2 THE CITY CENTER OF EDMONT WA 07030	000774 UNIVERSITY MEDICAL CENTER 1 STATION PLAZA TEST ADDR 2 TEST ADDR 3 EDMONTON NJ 07003

Balance	Customer Order	Invoice Date	Terms	Ship Via	Operator	W's ref used
Balcomar 001	001070	07/12/07	2/10 NET 30	UPE		001

**Special Instructions:** FM DELIVERIES ONLY

Line	Product	Description	Quantity	UM	Price	UM	Amount
1	PRODL M2	PROD UM 2	2	EA	10.00		20.00
2	PRODL M999	UNIT OF MEAS TESTING	2	EA	1.00		2.00
PLEASE MAKE CHECKS PAYABLE TO TRH CORPORATION AT THE ADDRESS ABOVE.							
Customer must be told of backorders							

# Benefits

- Easily access Real time data
- Flexibility to create own reports – NOW!
- Crystal is an Industry Standard
- Reduce Expenses - save money on custom programming

