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Creating A Personal Data Mart

INTRODUCTION

A Personal Data Mart (PDM) is intended for the user who wants to create a subset of data on his/her own machine and run queries against it. While a user needs to define only one document in creating a PDM, that PDM may serve as a data source for multiple users with many documents.

The user will create a document that uses all of the rows and columns that he/she generally queries. It is important to remember that the PDM contains data for a particular query. The data is local (on your PC or Local Area Network (LAN)) and it is permanent, i.e., it is NOT dynamic like the other .ipr documents we have created. Once the PDM has been established, other design documents can use it as their data source. Personal Data Marts are generally used to create relatively large local data stores that are refreshed on a set schedule.

OBJECTIVES

You will learn the fundamentals of creating your personal data set. In this exercise, you will create a QuickQuery report with all of the data elements from the End Item Serial Business View, QuickStart! folder. You will then export that report to your desktop as your Personal Data Mart.

APPLICATION

The three main reasons that users develop Personal Data Marts are for speed in running reports against limited data; as an aid in development of reports; and to be able to work off-line with their specific set of data. Creating a PDM is the first step in the process.

PREREQUISITES

A familiarity with Eureka; all previous prerequisites.

ACTIVITY

Student Hands-On with Instructor direction

STEPS TO PERFORM ACTION

1. Open a QuickQuery without the Wizard.
2. Select the fields from the table below:

BUSINESS VIEW: CATALOG	
FOLDER(S)	DATA ELEMENT(S)
Catalog	ADP Cmpn Cd LIN Nomen Stock Nbr Yr Svc Life
Mfr._Model/Part_Nbr	Mfr Name Mfr Part Nbr

3. Move the selected fields to the workspace.

ADPCmpn	LIN	Nomen	StockNbrLHAA	YrSvcLife	Mfr-Name
RS1144		CHARGER, RADIO	054721407W	10	UNASSIGNED
W68432		AMMO BALL, 7.62MM	1005011P004	0	UNASSIGNED
		LEA-AIRCRAFT	150000LEA0001	3	UNASSIGNED
		LEA-SHIPS/WATER CRAF	190000LEA0002	3	UNASSIGNED
		LEA-RAILWAY EQUIPME	220000LEA0003	3	UNASSIGNED
X38639		TRK AMB M718A1	2310001779201	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779202	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779203	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779204	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779205	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779206	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779207	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779208	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779209	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779210	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779211	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779212	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779213	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779214	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779215	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779216	10	UNASSIGNED
X38639		TRK AMB M718A1	2310001779217	10	UNASSIGNED

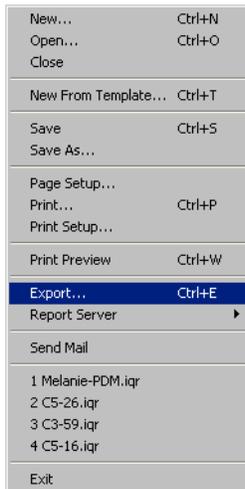
4. Save the query as **YOURNAME-PDM** (for example, JOHN-PDM).



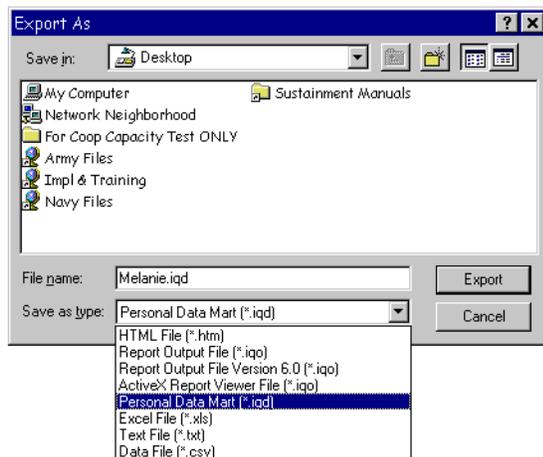
NOTE:

The reason that we are saving the PDM as a query/report is so that, if we choose, we can "refresh" the data for the elements we have selected. There are two alternatives for updating your PDM from the larger database from which it was created. One is to again run the report from which the data was created, and export it again as an *.iqd to the SAME NAME. The second method would be to delete from your desktop, or the place where the PDM is stored, the *.iqd, rerun the query as above, and save the PDM again, either with the same name or a different name. This prevents any possible confusion on which is the correct version of the PDM to use.

5. Select **File** from the menu bar.
6. Select **Export** from the program group.



7. In **Save in**, change to **Desktop**.
8. Change **Save as type** to **Personal Data Mart (*.iqd)**.



9. Click **Export**.
10. Close your report without saving.

Using A Personal Data Mart



CAUTION!!

Your PDM is only as good as the last database update! Since your PDM is running from your hard drive, the data cannot be refreshed unless you export new data.

INTRODUCTION

This process will show you how to use your Personal Data Mart as your source of data for a report.

OBJECTIVES

You will learn the fundamentals of using your Personal Data Mart. In this example, you will create a QuickQuery without the wizard, with six data elements drawn from those used in the PDM.

APPLICATION

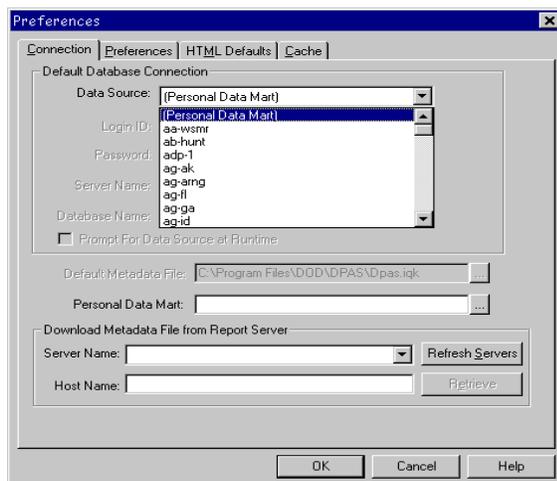
The user has developed a report that has only those fields required to draw specific data wanted and designated the PDM. As an example, a user can export the PDM to a notebook computer's hard drive. From there, the user can develop his/her report and run it against their PDM as the Knowledge Base rather than the dpas.iqk which is standard. The resulting reports can be run against any Knowledge Base, and the PDM can also be refreshed.

PREREQUISITES

The prerequisites found in Creating a PDM; a PDM has been created and named.

STEPS TO PERFORM ACTION

1. Open a new QuickQuery report without the wizard.
2. Select **T**ools from the menu bar.



3. Select **D**atabase Connection Defaults... from the program group.
4. Select **(Personal Data Mart)** from the Data Source list box.
5. Click the browse button for the **Personal Data Mart**.
6. **Look in:** Select **Desktop**.
7. Click **YOURNAME-PDM.iqd**.
8. Click **Open**.
9. Click **OK**.
10. If your Object Directory is not displayed, depress the **F2 Function Key**.
11. Double-click on the **YOURNAME-PDM**.

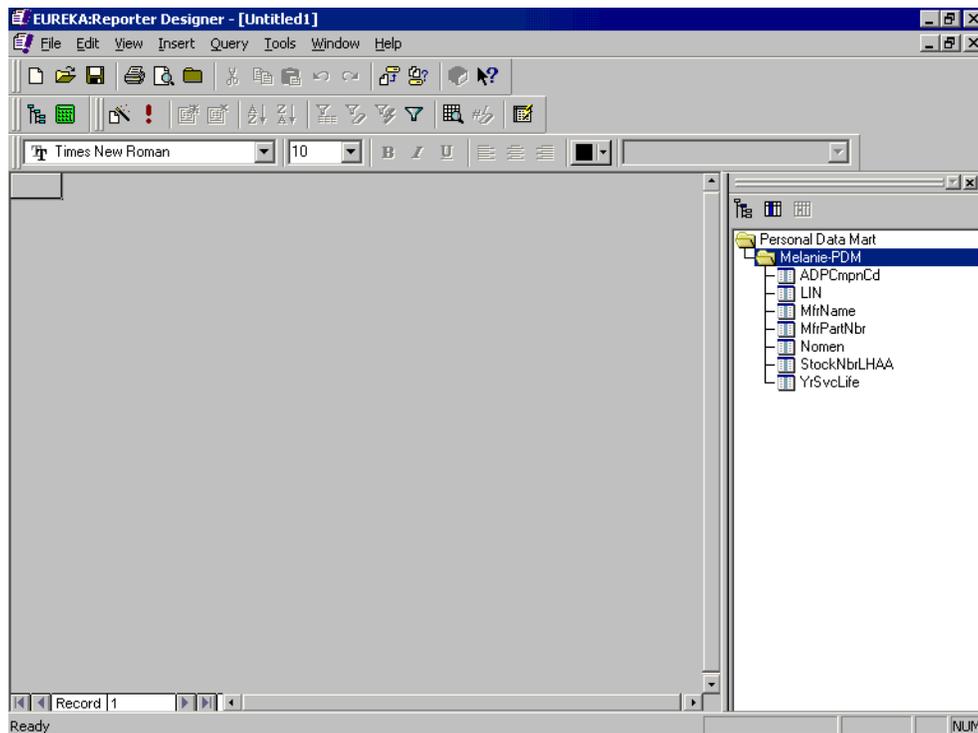
12. You can now select the fields you want to use in your query.



NOTE:

When you use a Personal Data Mart as the source for your data, the Object Directory lists columns from your PDM. They are all grouped into a single folder that has the name of your data mart.

13. Select from any or all of the fields from the PDM for your report. NOTICE how quickly the data is added, since it is coming from your hard drive, and does not have to negotiate the Internet or your Local Area Network (LAN).



From this point, you can treat this report as you would any other report. The only difference is the data source is your PDM rather than your activities' database in Dayton, OH.

