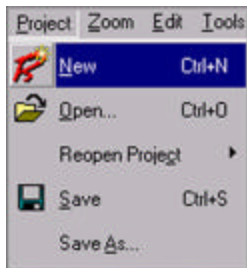


## Creating/Printing a Simple Report

### This section:

- Learn how to create a database connection.
- Learn how to create an SQL Data View.
- Create and Excute a simple report.

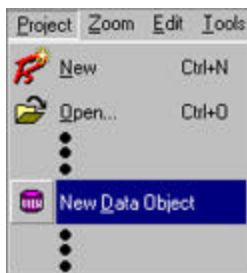
This chapter will teach the basics of connecting to a database and creating an SQL data view. It will also show how to create a simple report with the connection and data view. Finally, the report will be executed.



### Procedure 15.1 - Getting Started

To begin any report in Rave, first a report must be created.

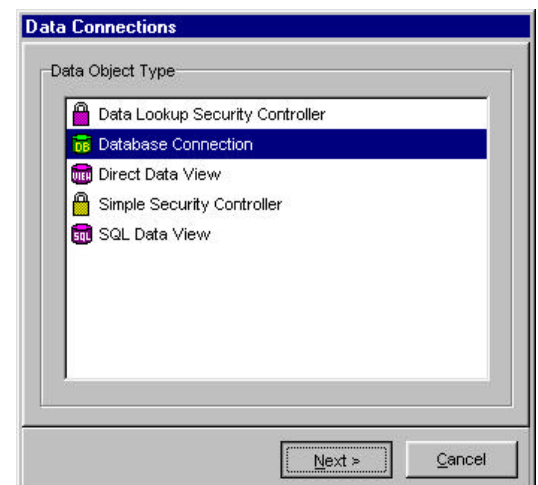
1. Begin by selecting the Project menu, then select new project.

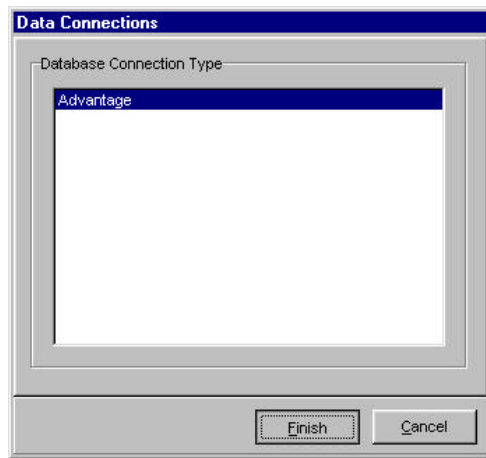


### Procedure 15.2 - Creating a Database Connection

1. Use the following to complete a database connection.
2. After creating a new project (see directions in the previous section), select New Data Object from the Project Menu.

3. After selecting a New Data Object, the Data Connections window will appear. From the Data Connections window there will be several selections under “Data Object Type”. Select “Database Connection” and click the Next button



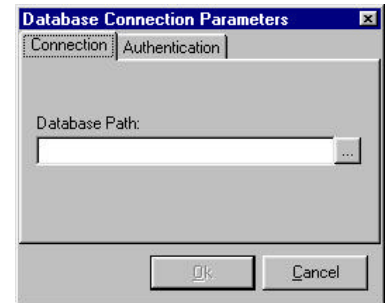


4. The next window to appear will be the follow-up Data Connections window. The selections here will be under the “Database Connection Type”. As this title implies, the type of database connection will be established and selected here. For this example, select “Advantage” connection type and proceed to click on the Finish button.

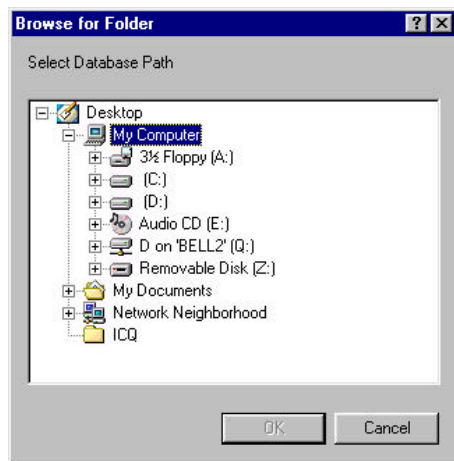
5. The next window will be the Data Connection Parameters dialog box. From this dialog, the path to the database is established.

For this demo, make sure “Database Path” contains the

directory path where the Rave Demo is installed, which should be the directory where Rave was installed.

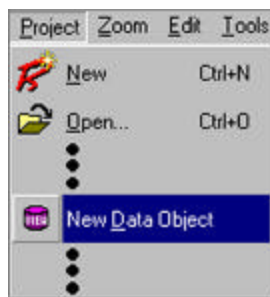
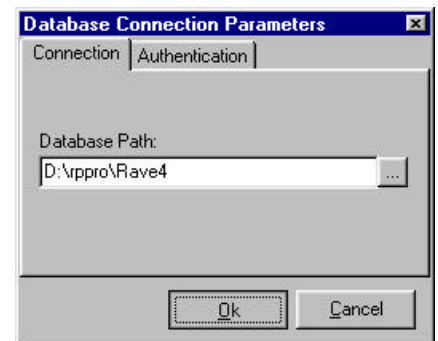


The Database Path should be defaulted to the Rave Demo database path. If it is, then simply press OK and go on to the next procedure section. But, if the path is not defaulted, continue on to the end of this procedure.



Click on the Ellipse button to the right of the Database Path text box. By clicking on the ellipse button, the Browse for Folder Dialog will appear. From this dialog, select the path to the database that will be used. Again for this demo, the path should be directed to the location of where Rave program was installed. Click OK when done.

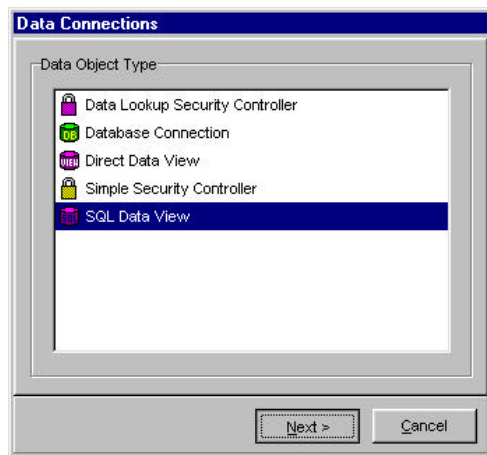
6. The Database Connection Parameters dialog will reappear, with the path to the database displayed in “Database Path” text box, after clicking OK from the previous window. Click OK when done.



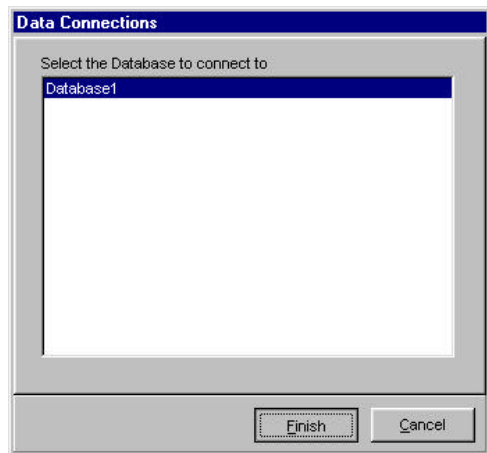
### Procedure 15.3 - Creating an SQL Data View

Before creating an SQL Data View, first complete the two previous procedures before this section (Procedures 15.1 and 15.2).

1. First select New Data Object in the Project Menu.

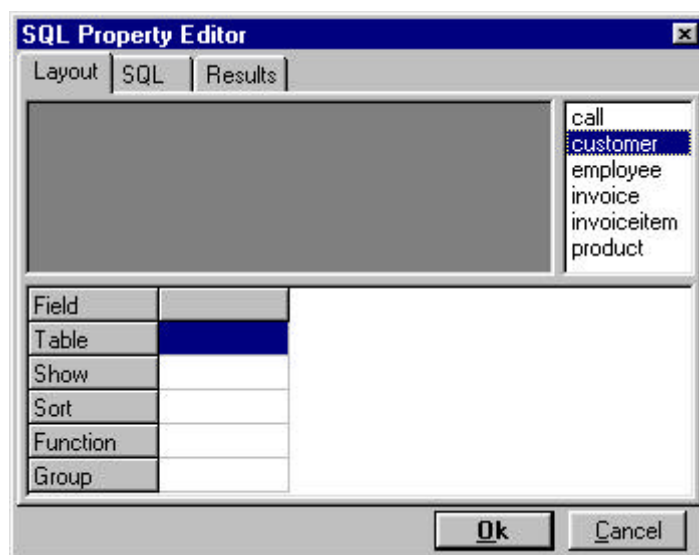


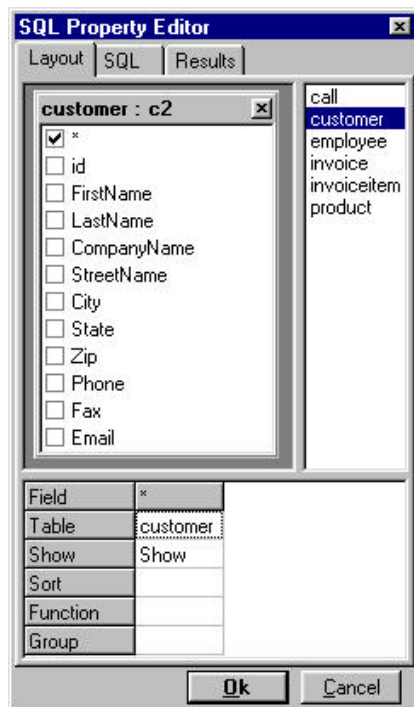
2. Next select “SQL Data View” from the Data Object Type selections in the Data Connections dialog. Click the Next button when done.



3. In the next Data Connection Dialog, select “Database1”. Click Finish when done.

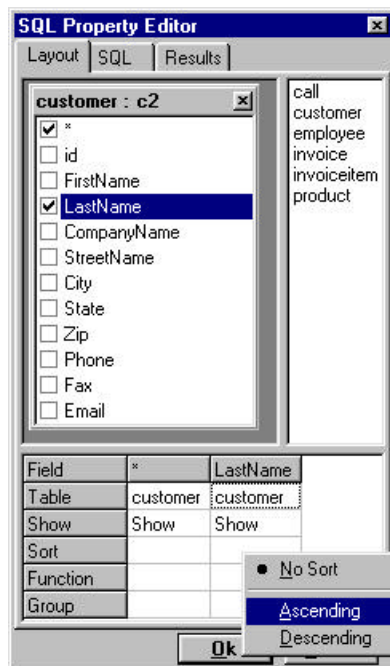
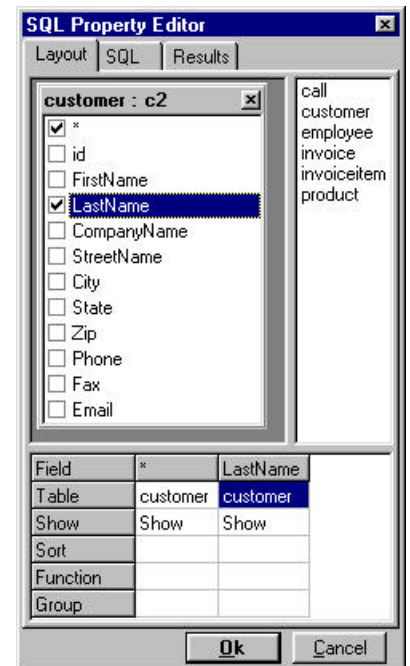
4. The next window to appear will be the Query Builder, which is called the SQL Property Editor. From this window, SQL statements can be created and entered. For now, we will simply give directions. Drag the “customer” table from the upper right hand side to the dark grey area on the upper left. (Note that the details of the Query Bulder will be described in a future section).





After dragging the customer table, a list of headers will appear.

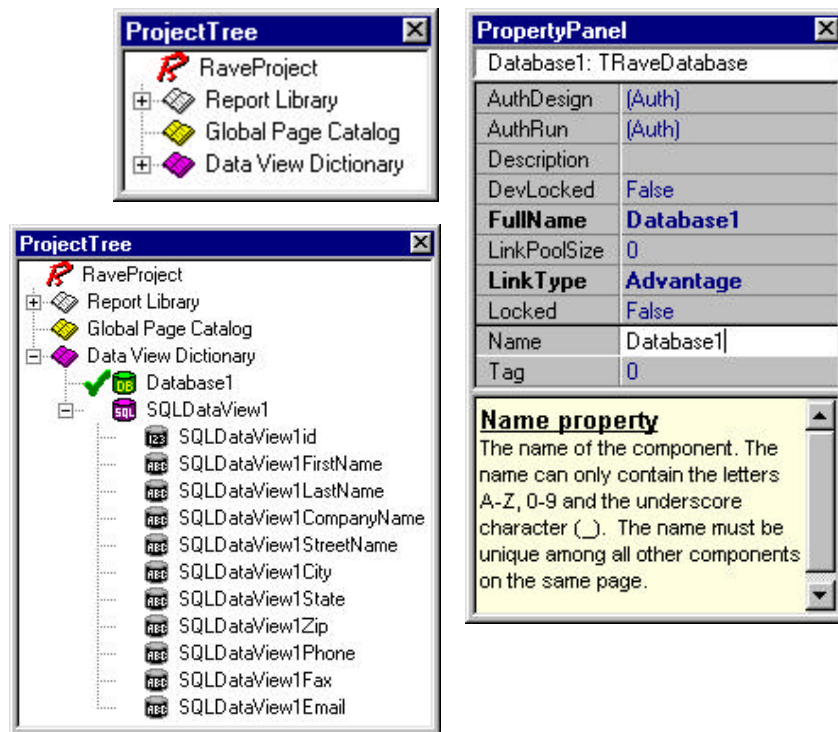
Click on the box next to LastName in the Customer:c2 table. This will make the LastName column appear in the table on the bottom of the window.



On the empty box that intersects with the LastName column and the Sort row, right click on this. Right-clicking will make a menu appear with the options No Sort, Ascending, and Descending. Select Ascending from this menu. This will sort by ascending last names. Check this out when in the Preview Window (coming up!).

Click OK.

5. To see the Data Views, go to the Project tree and expand the Data View Dictionary tree. (Also, remember that the nodes of the trees can be expanded to get more information about the report and other report sections.) When you select a Data View (green check mark by the name of the Data View), in this case the Database1, notice that the Property Panel will display information that can be changed about the Data View object. Also, notice that the SQLDataView1 has additional information, the data headers from the customer database.

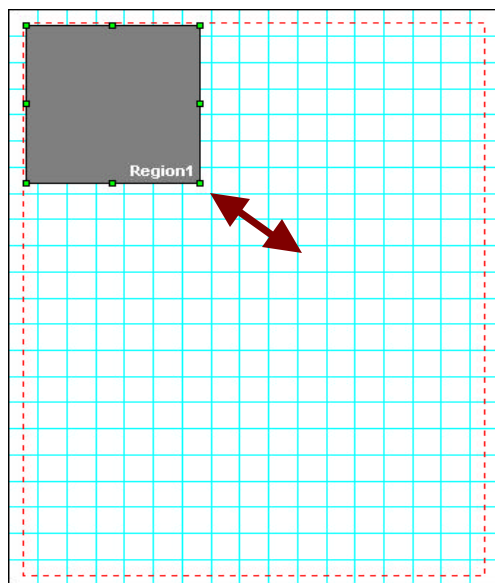
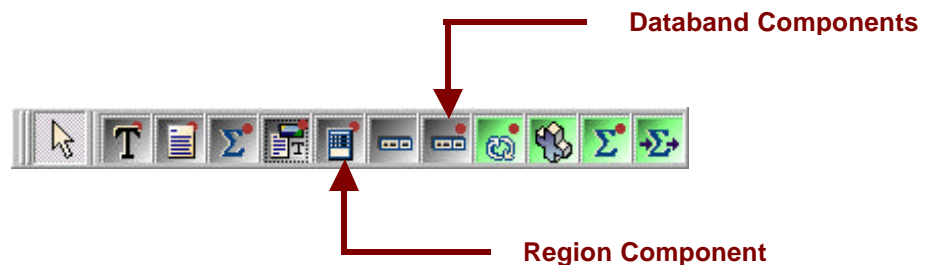


## Procedure 15.4 - Creating a Simple Report

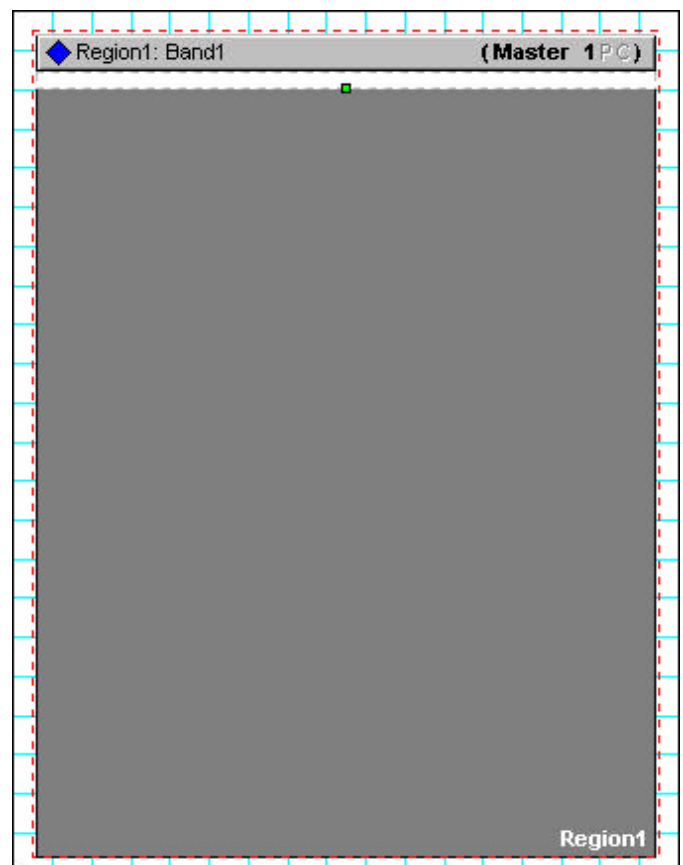
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Procedures 15.1 to 15.3 must be completed before completing Procedure 15.4.

1. Click on the Toolbar palette button and select the Report Components.

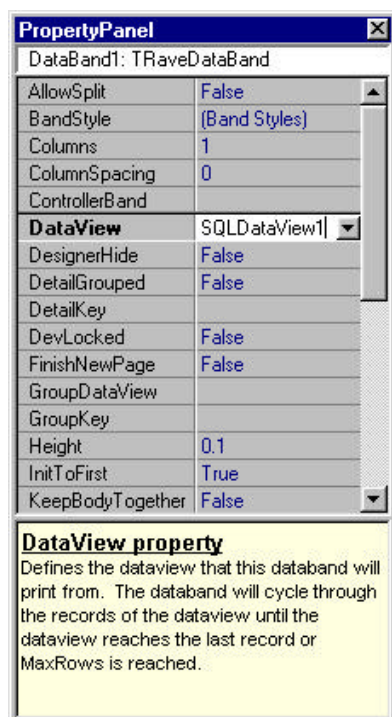
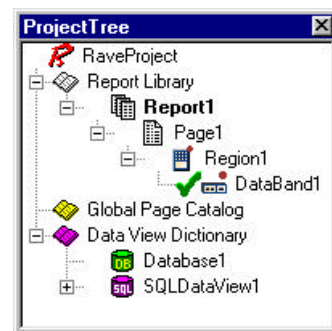


2. Select the Region component and click on the page. Resize and move the region to fit within the red rectangle, which is the printable area of the page.



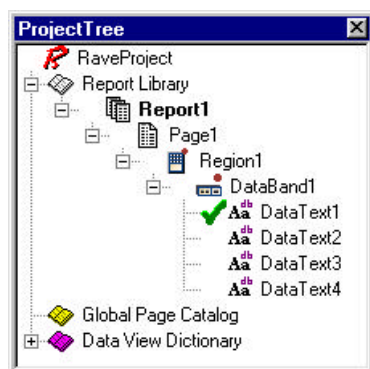
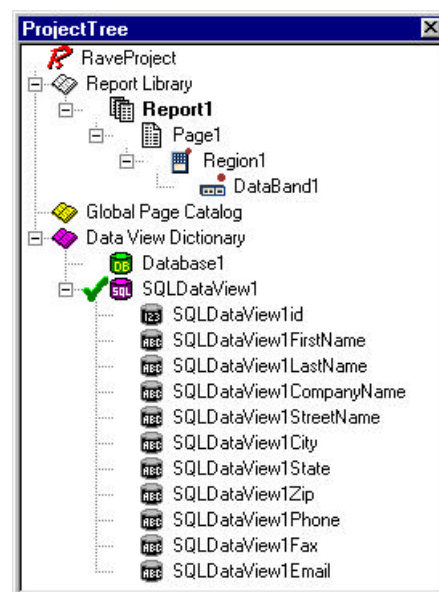
3. Also on the Report components toolbar, select the Databand component (make sure you select the Databand and not the Band component), and then click on the Region component that was created in step 2. This will place a Databand in the grey region.

4. If Databand is not selected, select the Databand component. This can be done either by clicking on the Databand on the report page, or by clicking on the Databand within the Project Tree. Either way there should be a green check mark by the Databand in the Project Tree.

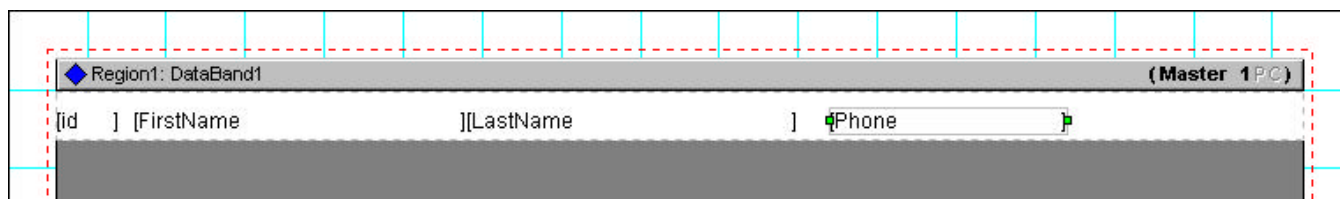


5. Once the Databand is selected, look at the Property Panel. In the Property Panel, set the Data View property to SQLDataView1.

6. Expand the Project Tree to show the headers, or more correctly the field components, under the SQLDataView1.



7. Now hold down the Ctrl-key and drag field components from the project tree into the databand. This creates Data Text components that will be printed within the report. Place these text components in the white areas of the Databand. Also, notice that in the Project Tree window, the Data Text components are placed under the Databand component.



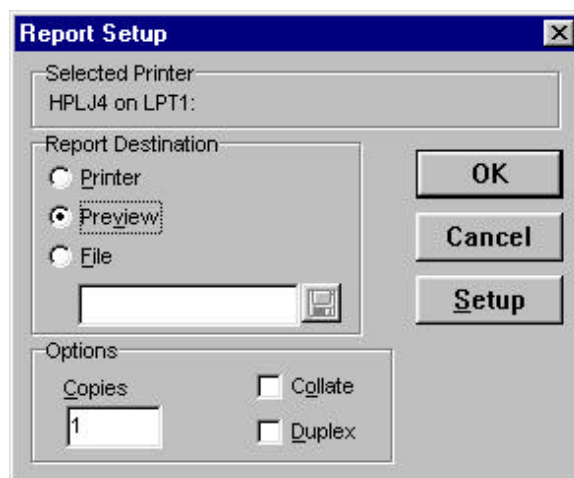
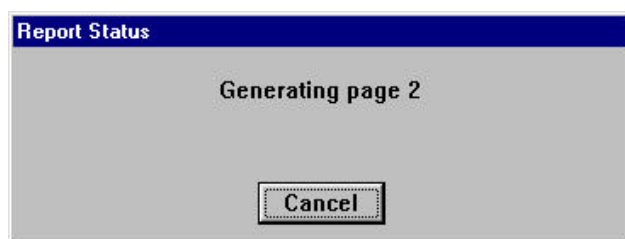


## Procedure 15.5 - Executing a Simple Report

Complete Procedures 15.1 to 15.4.

1. Press F9 to execute the report and view the preview.

2. The Report Setup dialog will appear. To preview the report, select Preview. The Report Status will display a message that displays the status of the number of pages being generated.



3. The Report Preview window will display the reports. To print the report, close the preview, repeat this procedure, except select print instead of Preview. Notice in the Preview the names are sorted by last name.

