

Microsoft® SSRS - Report Designer Class with Delphi Data Views

Newmarket International SSRS Training Options

OVERVIEW

Newmarket® International is committed to providing our customers with a flexible set of options to achieve their reporting goals. Newmarket provides a robust reporting and analytics platform based on the Microsoft Business Intelligence platform. This document is intended to provide an overview of the Report Designer Class used in conjunction with the Delphi Data Views for Microsoft SQL Server® 2005 Reporting Services.

PREREQUISITIES

Report Designer class with the Delphi Data Views is designed for customers on Delphi 9.5 , 9.5.1, or 9.5.2 or higher.

Instruction is focused on advanced report creators with a desired skill set containing:

- 3 plus years of Delphi experience
- 1 to 2 years NSA experience (CNSA preferred)
- 6 plus years of report writing experience

GOALS

- Create account, contact, or booking lists
- Create booking revenue with simple subtotals and grand totals
- Create reports with simple filters and parameters
- Create simple expressions (i.e. Food + Beverage)
- Create complex expressions (i.e. If/Then/Else expressions)
- Create parameters with values populated from the database
- Create revenue reports with multiple subtotals
- Create multiple groups
- Creator autonomy with report layout
- Performance based reports
- Reports from multiple databases (not trained by Newmarket)

SKILLS LEARNED

- | | |
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| <ul style="list-style-type: none"> <input type="checkbox"/> Report Manager Administration and Security <input type="checkbox"/> Designing Reports <input type="checkbox"/> Sorting Fields <input type="checkbox"/> Formatting Fields <input type="checkbox"/> Filtering Data <input type="checkbox"/> Creating Complex Parameters <input type="checkbox"/> Creating Complex Expressions <input type="checkbox"/> Custom Grouping of Data <input type="checkbox"/> Report Manager Administration and Security <input type="checkbox"/> Designing Reports <input type="checkbox"/> Sorting Fields <input type="checkbox"/> Formatting Fields <input type="checkbox"/> Filtering Data | <ul style="list-style-type: none"> <input type="checkbox"/> Creating Complex Parameters <input type="checkbox"/> Creating Complex Expressions <input type="checkbox"/> Custom Grouping of Data <input type="checkbox"/> Adding Custom Subtotals/Grand Totals <input type="checkbox"/> Adding Drill-Downs <input type="checkbox"/> Conditionally Formatting Fields <input type="checkbox"/> Deploying Reports <input type="checkbox"/> Scheduling Report Delivery <input type="checkbox"/> Reporting on Consumed Dates <input type="checkbox"/> Reporting on Performance Data <input type="checkbox"/> Working with Data Views <input type="checkbox"/> Joining Multiple Data Views <input type="checkbox"/> Running a report from the Report Manager <input type="checkbox"/> Report creating strategy for the report requestor <input type="checkbox"/> Create over two dozen reports to be able to use in your daily activities |
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TRAINING DAYS

5 days

TRAINING REPORTS

During training, students will have the opportunity to create many reports through the instructor-guided training sessions and the lab exercises. The lists of reports below are intended to give examples of the types of reports that students will create. Throughout the sessions, the trainer will evaluate the training progress and make adjustments to the report list as necessary.

Instructor-Guided Created Reports	<input type="checkbox"/> Account Creation <input type="checkbox"/> Account List <input type="checkbox"/> Booking Revenue Audit <input type="checkbox"/> Consumed Date Forecast <input type="checkbox"/> Contact and Account Name <input type="checkbox"/> Daily Events <input type="checkbox"/> Event List <input type="checkbox"/> Future Definite Bookings <input type="checkbox"/> Guestroom Pace Report	<input type="checkbox"/> Guestrooms Booked <input type="checkbox"/> Monthly Function Room Forecast <input type="checkbox"/> New Definites <input type="checkbox"/> Revenue by Market Segment <input type="checkbox"/> SIC Code or Sales Manager <input type="checkbox"/> Slippage <input type="checkbox"/> Group Rooms Arrival
Reports Created in Lab Exercises	<input type="checkbox"/> Account Activity <input type="checkbox"/> Account Summary <input type="checkbox"/> Actuals by Sales Manager <input type="checkbox"/> BEOs Not Complete <input type="checkbox"/> Blocked Rooms <input type="checkbox"/> Bookings by Type <input type="checkbox"/> Catering Performance <input type="checkbox"/> Employee Booking	<input type="checkbox"/> Function Revenue Booking <input type="checkbox"/> Function Revenue per Guestroom <input type="checkbox"/> Future Commissions Payable <input type="checkbox"/> Group Arrivals <input type="checkbox"/> Guestroom Forecast by Manager <input type="checkbox"/> Guestroom Productivity <input type="checkbox"/> Lost Business

WHAT ARE DELPHI DATA VIEWS?

Answer: Data Views provide a business abstraction of the Delphi database to create ad hoc reports using the customer's preferred reporting tool. Data Views present the data to the consumer in a well documented business orientation. Tables and field names are clearly represented in business terminology that closely matches the application.

This approach makes business-oriented reporting easier for report writers. Rather than simply providing access to the raw tables in the Delphi and Delphi.Net databases, Data Views protect the data from behind-the-scenes changes that may affect the storage tables.

WHAT IS MICROSOFT REPORT DESIGNER?

Report Designer is a collection of graphical query and design tools that are hosted within the Microsoft Visual Studio® environment. Report Designer provides a Data tab to organize report data, and Layout and Preview tabs to help users design reports interactively. Report Designer also provides query designers for retrieving data and the Expression window for specifying the data to use in the report layout.

Report Designer includes the following features:

- Design Reports.** Report Designer supports tabular, matrix, chart, and freeform reports. Reports and gauges are saved as report definition (.rdl) files.
- Preview Reports.** While designing a report, you can test it locally before publishing it to a report server. When you select the Preview tab, Report Designer runs the report using the same processing and rendering extensions that the report server uses, ensuring that the report is displayed as it was intended when users run it. When you are ready to publish your report, use Report Designer to publish it to a report server.
- Deploy to a Server.** When you deploy a report, the report definition (.rdl) file is copied to the report server database. After a report is deployed, it can be managed and secured independently from the report definition file that you work with in Visual Studio.
- View Reports.** SQL Server Reporting Services provides multiple ways to view reports. You can view the report directly using a browser and Report Manager, create subscriptions for report delivery, or export the report to a different file format, such as Excel or Word.
- Manage Reports.** You can manage deployed reports and their data sources independently.

WHAT ARE THE KEY BENEFITS OF SQL SERVER REPORTING SERVICES (SSRS)?

Answer: SQL Server Reporting Services empowers Newmarket's customers to create reports with superior authoring, management, delivery, and security capabilities. Using SSRS customers can:

- Schedule reports to run at any time (for example, during off hours).
- Automatically deliver reports to key stakeholders (for example, e-mail reports to the Director of Sales).
- Create user groups to secure reports within SSRS.

WE HAVE REPORT CREATORS WHO ARE AT DIFFERENT SKILLS SETS. WHAT DO YOU SUGGEST?

Answer: You will need to bring your report creators to good middle ground. Here is a plan that will accomplish that.

We recommend the following:

- Schedule the Report Builder 1.0 with the Newmarket Report Model training for your beginning report creators. Allow time (3 to 6 months) for them to increase their skill set before scheduling the next training.
- Schedule the Report Designer with the Newmarket Report Model training for all of your report creators.
- If you have already taken the Report Designer Class with the Newmarket Report Model and need to create performance reports, then please contact Newmarket to discuss additional training options.