

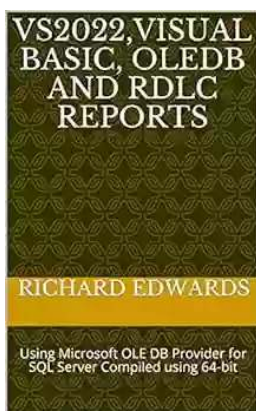
# VS2022 Visual Basic, OleDb, and Rdlc Reports: The Perfect Combo for Data Reporting

## The Powerful Trio: VS2022 Visual Basic, OleDb, and Rdlc Reports

In the world of software development, data reporting plays a vital role. Businesses require efficient tools to analyze and present data in a meaningful way. VS2022 Visual Basic, OleDb, and Rdlc Reports together form a perfect trio for developing robust applications with remarkable reporting capabilities.

## What's new in Visual Studio 2022?

Visual Studio 2022 is the latest version of Microsoft's integrated development environment (IDE). It comes with various enhancements and new features, making it the go-to choice for developers. The Visual Basic programming language, which is widely used for Windows application development, is fully supported in VS2022.



## VS2022, VISUAL BASIC, OLEDB AND RDLC REPORTS: Using Microsoft OLE DB Provider for SQL Server Compiled using 64-bit

by Barbara Nowak(Kindle Edition)

★★★★☆ 4 out of 5

Language	: English
File size	: 9743 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 129 pages
Lending	: Enabled



The seamless integration of Visual Basic with VS2022 empowers developers to create visually stunning applications with ease. Its rich set of tools and controls provide a versatile environment for crafting user-friendly interfaces. But the real magic happens when you combine Visual Basic with OleDb and Rdlc Reports.

## **Unlocking Data Power with OleDb**

OleDb (Object Linking and Embedding Database) is a powerful technology that allows seamless integration with various database systems, including Microsoft Access, SQL Server, and Oracle. Visual Basic, being a part of the .NET framework, can leverage the capabilities of OleDb to connect to these databases effortlessly.

With OleDb, developers can easily retrieve, manipulate, and query data from databases within their Visual Basic applications. This technology enhances the overall data management capabilities and ensures a smooth flow of information within the application.

## **Rdlc Reports: Bridging the Gap between Data and Presentation**

Rdlc (Report Definition Language Client-Side) Reports in Visual Studio provide a robust framework for designing and generating reports. These reports act as powerful tools to present data in a structured and visually appealing manner. Rdlc Reports support various data sources, including OleDb, which allows seamless integration with Visual Basic applications.

By combining Visual Basic's data retrieval abilities with Rdlc Reports, developers can create dynamic, data-driven reports that can be generated on-demand or

based on predefined criteria. The wide range of customization options, such as tables, charts, and graphs, ensures that the reports are not only informative but also visually appealing.

## **The Benefits of VS2022 Visual Basic, OleDb, and Rdlc Reports**

Using VS2022 Visual Basic, OleDb, and Rdlc Reports together offers several advantages for developers:

### **1. Improved Data Access and Management:**

The seamless integration of Visual Basic with OleDb simplifies data access and management tasks. Developers can easily connect to databases and retrieve data using OleDb commands and queries.

### **2. Versatile Report Generation:**

Rdlc Reports provide a wide range of tools and customization options to create versatile reports. Visual Basic, combined with OleDb, enables dynamic and interactive report generation, allowing users to analyze data efficiently.

### **3. Enhanced User Experience:**

With Visual Basic, developers can create user-friendly interfaces with rich controls and visual elements. Rdlc Reports add the finishing touch by presenting data in an intuitive and visually appealing manner.

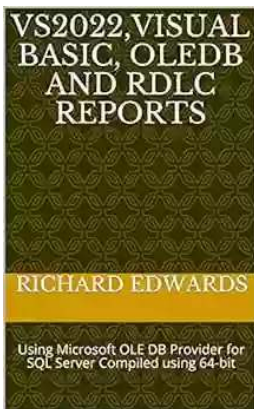
### **4. Time and Effort Savings:**

The combination of Visual Basic, OleDb, and Rdlc Reports helps developers streamline the reporting process. Ready-to-use tools and the ability to connect directly to databases significantly reduce development time and effort.

VS2022 Visual Basic, OleDb, and Rdlc Reports form a powerful trio that caters to the data reporting needs of modern applications. The seamless integration of these technologies provides developers with efficient tools for data access, manipulation, and report generation.

By harnessing the power of Visual Basic, OleDb, and Rdlc Reports, developers can deliver visually stunning applications with insightful reports. Whether it's building business intelligence tools or creating interactive dashboards, this trio is the perfect combo for data reporting in VS2022.

So, embrace the power of Visual Basic, empower your applications with OleDb, and bring life to your data with Rdlc Reports!



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Anyone who knows me really well knows I'm a big fan of trying out the latest, greatest release of Visual Studio. So, it shouldn't come as much surprise that as soon as Visual Studio 2022 was announced as a pre-release, I would download it

and take it for a test drive.

All I can say is if this is their idea of a preview, I can't imagine what surprises the RTM will have in store for us. The 2022 preview is already quite capable of being in par with Visual Studio 2019 and performs very well with respect to that.

In fact, I dare say it is around 3 times faster than 2019 with respect to responsiveness inside the IDE.

With that said, this book is about using Visual Studio, Visual Basic and OLEDB to produce RDLC Reports from SQL Server 2019 – from the AdventureWorks2019 database.

This book is one of 4 books dealing with the same exact code, explanations and data collection patterns with the only difference between them being the Provider used in each book.

At the time of this writing, these 4 Providers are:

Microsoft OLE DB Driver for SQL Server

Microsoft OLE DB Provider for SQL Server

SQL Server Native Client 11.0

SQL Server Native Client RDA 11.0

This particular book will be using the Microsoft OLE DB Provider for SQL Server

.

These books are also identical in every way. So, if you have already purchased one of these books, please don't purchase another. Instead, use the below information to change the connection strings – cnstr:

Microsoft OLE DB Driver for SQL Server

Provider=MSOLEDBSQL;Data Source=WIN-U1D8NGFVABF;Integrated

Security=SSPI;Initial Catalog=AdventureWorks2019;

Microsoft OLE DB Provider for SQL Server

Provider=SQLOLEDB;Data Source=WIN-U1D8NGFVABF;Integrated  
Security=SSPI;Initial Catalog=AdventureWorks2019;

SQL Server Native Client 11.0

Provider=SQLNCLI11;Data Source=WIN-U1D8NGFVABF;Integrated  
Security=SSPI;Initial Catalog=AdventureWorks2019;

SQL Server Native Client RDA 11.0

Provider=SQLNCLIRDA11.1;Data Source=WIN-U1D8NGFVABF;Integrated  
Security=SSPI;Initial Catalog=AdventureWorks2019;

I would love to believe you are reading this because you want to know how to create perfect RDLC Reports using Visual Studio 2019 and VB.Net using the Microsoft OLE DB Driver for SQL Server.

What do I mean by “perfect”?

Simple. If you have had to work with RDLC Reports in the past, you know you have to make changes to some columns because the Report Wizard decided you need a SUM instead of just leaving it alone as an Integer or the column widths were too short for the values being presented and you had to manually resize them until the report looks half-way decent.

The code I have created in this book has addressed these issues. Meaning, when this code creates and shows your RDLC Report with all the data in it – as you will see – it is ready for production.

Now I’m not big on 3 to 5 pages of and I have a lot to cover. So, let’s get started, shall we?



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