

Sybase DataWindow .NET 1.5 key features:

- Web Form DataWindow Control for ASP .NET.

A new WebDataWindowControl component has been added to enable developers to use the powerful, patented DataWindow technology in ASP.NET Web applications. The WebDataWindowControl is a standard ASP.NET server custom control that can be hosted in an ASP.NET Web Form. It provides most of the data manipulation, presentation, and scripting capabilities of the DataWindowControl for Windows Forms.

The WebDataWindowControl renders a DataWindow object in HTML, XHTML, or XML format and displays it in a Web browser. The look and feel of the Web DataWindow in the Web browser is very much like that of a DataWindow in a Windows Form or in the DataWindow painter's Preview view. The WebDataWindowControl supports all DataWindow presentation styles except Composite/Nested, Rich Text and OLE. The Graph DataWindow presentation style is supported.

For more information, see the documentation for the Sybase.DataWindow.Web namespace in Visual Studio .NET 2003.

- Access to DataWindow object properties

Version 1.5 of DataWindow .NET introduces a change in how some DataWindow object properties are accessed. Many DataWindow object properties are backed by a DataWindow expression. For example, the text color property of a GraphicObjectEditableColumn can be controlled by an expression such as:

```
if ( salary>50000, RGB(255,0,0), RGB(0,0,0) )
```

This expression changes the text color to red if the salary is greater than 50,000. In Version 1.0, the text color was represented as two properties, TextColor and TextColorExpression. TextColor is a System.Drawing.Color and TextColorExpression is a String.

In Version 1.5 there is a new ExpressionBasedProperty class with descendants for each needed datatype. The TextColor property example above returns a ColorProperty object. The ColorProperty object has two properties: Value returns a System.Drawing.Color and Expression returns a String.

A System.Drawing.Color ValueInRow (Int32 rowNumber) method has also been added. This method returns the color of a column in a particular row. This change requires minor changes in your code. For example, the following code accesses the TextColor property in Version 1.0:

```
GraphicObjectEditableColumn gobColumn;  
System.Drawing.Color C;
```

```
String expr;

C = gobColumn.TextColor;
expr = gobColumn.TextColorExpression;

gobColumn.TextColor = System.Drawing.Color.Aqua;
gobColumn.TextColorExpression = expr;
```

The following code accesses the TextColor property in Version 1.5 and shows the new ValueInRow method:

```
GraphicObjectEditableColumn gobColumn;
Int32 someRow;
System.Drawing.Color C;
String expr;

C = gobColumn.TextColor.Value;
xpr = gobColumn.TextColor.Expression;
C = gobColumn.TextColor.ValueInRow ( someRow );

gobColumn.TextColor.Value = System.Drawing.Color.Aqua;
gobColumn.TextColor.Expression = expr;
```

These changes apply to all DataWindow object properties that can be set using an expression.

- **ADO .NET Microsoft SQL Server Connection Support.**

Support for the ADO.NET System.Data.SqlClient.SqlConnection class for the DataWindow .NET AdoTransaction class allows developers to use a direct connection to a Microsoft SQL Server database. Performance should be increased in comparison with the OleDbConnection class supported in DataWindow .NET 1.0. Now your Windows Form DataWindow controls, DataStores, and Web Form DataWindow controls can share a single SqlConnection database connection with other .NET database constructs such as the DataGrid.

- **Native Oracle 10g Driver Support.**

A native Oracle 10g driver has been added for the Transaction class. Developers who use DataWindow .NET native database connections instead of ADO.NET database connections can access new Oracle 10g features using the native Oracle 10g driver.