

Information on InfoPower VCL for RAD Studio 10 Seattle

Woll2Woll Software

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<http://www.woll2woll.com>

For the revision history, please see

<http://downloads.woll2woll.com/Updates/InfoPowerStudioChanges.htm>

System Requirements

The InfoPower VCL is compatible with RAD Studio 10 Seattle

Installing the InfoPower help file

Help files are automatically installed into the Delphi help systems, and you can access InfoPower components by keyword.

Demo Applications

For an overview of the InfoPower functionality, we suggest you compile the main demonstration program for InfoPower. This Delphi demo is located at

`\users\public\public documents\infopower\rx10\demos\windows\maindemo`

and the C++ Builder demo is located at

`\users\public\public documents\infopower\rx10\demos\builder\pdemo`

InfoPower VCL is the most popular and useful component suite for building database front-ends for Windows applications in Delphi and C++ Builder. If you are interested in building OSX or mobile applications, then see our FirePower FMX.

Notes for the RAD Studio FireMonkey Platform: If you wish to build applications using the RAD Studio FireMonkey library, then you will need to have purchased either InfoPower Enterprise or FirePower. This VCL version is strictly for the RAD Studio VCL. More information on FirePower can be obtained at <http://www.woll2woll.com/woll2woll-firepower.html>

Download [Overview of FirePower](#)

InfoPower FireMonkey Demo Android App available : If you wish to load a sample Google application built with FirePower onto your tablet, then go to the *Google Play Store* from your tablet and then type the keyword *InfoPower*. Then click on the InfoPower FireMonkey app from the search results. Then you can install and run the application on your Android device.

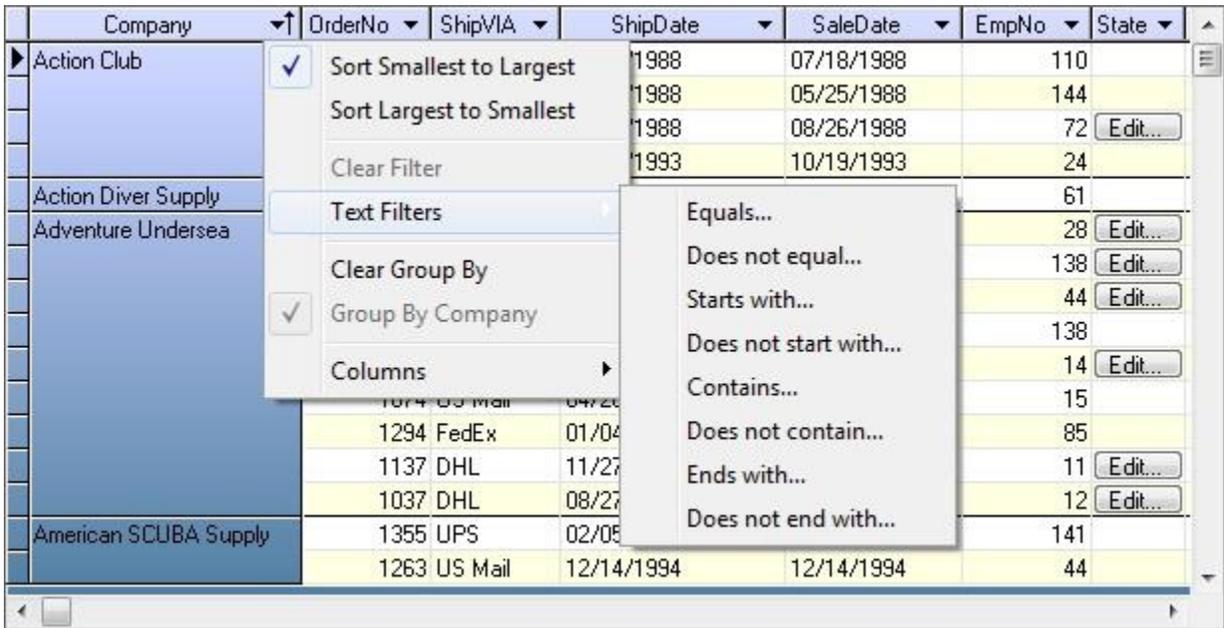
[Android Demo](#)

Due to the anticipated rapid release schedule by Embarcadero for Delphi/Rad Studio, we recommend you purchase one of our maintenance contracts. Woll2Woll will also issue more rapid updates to keep in sync with the changes in Rad Studio. Our maintenance contract will allow you to receive all our major updates for up to one year. You are guaranteed at least one major update.

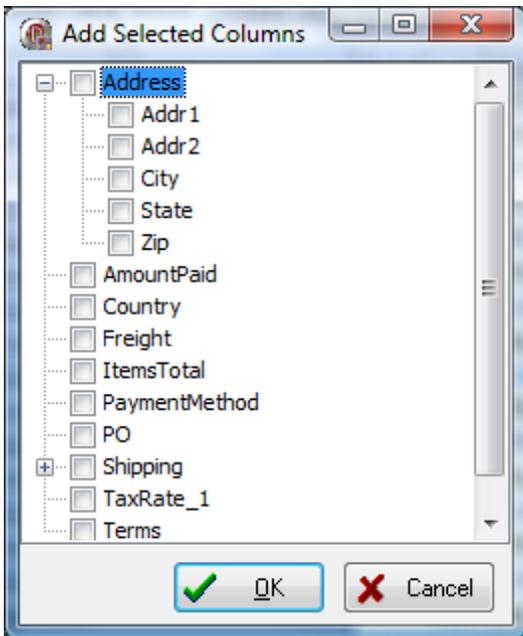
The following document details some of the functionality in InfoPower VCL

1. InfoPower's Masterpiece Grid

InfoPower's masterpiece grid is one of the most powerful components in the InfoPower library, greatly expanding upon the capabilities of Delphi's native grid component. In addition to the functionality of the Delphi grid, InfoPower's grid supports the following:



- New TitleMenu supporting sorting, filtering, grouping, and column selection**
 InfoPower adds TitleMenu to each grid column, that allows the end-user to sort, group, filter the grid, and add/remove columns to/from the grid. Sorting is automatic when using client-side datasets such as TClientDataSet, but the grid also has supporting events to allow you to sort on other dataset types. Filtering supports text, numeric and date filters. Date filters also display and execute relative filters such as “Last Month”, “Last Year”, etc. InfoPower extends the filtering capabilities to include null support as well as auto-defaulting the filter value to assist the end-user.
- Add and Remove columns on the fly**
 The end-user can now select columns to remove or add from the TitleMenu. You can customize how the columns are displayed to the end-user, and even group related columns hierarchically. Notice how the dialog is displayed below where the multiple columns are grouped under the node *Address*.



- True Master / Detail Relationships displayed from a single grid**
 InfoPower brings you a new paradigm to display and *edit* your master/detail relationships. Detail tables can be initially hidden, and then expanded into full view when the end-user expands a expand/collapse button in the parent

grid. Each child-grid is fully customizable as in the parent grid, and the control preserves the liveness of each expanded detail grid.

Company		Contact Information			Last Invoice Date
		Contact	FAX	Phone	
	Kauai Dive Shoppe	Erica Norman	808-555-0278	808-555-0269	2/2/92 1:05:03 AM
	Unisco	George Weathers	809-555-4958	809-555-3915	11/17/92 2:10:33 PM
	Sight Diver	Phyllis Spooner	357-6-870943	357-6-876708	10/18/93 7:20:30 PM
	Cayman Divers World Unlimitec	Joe Bailey	011-5-697064	011-5-697044	1/30/94 2:00:56 AM
	Tom Sawyer Diving Centre	Chris Thomas	504-798-7772	504-798-3022	3/20/94 9:35:40 AM

Account No	Name		Interests Hobbies	Billing Information			Photo
	First	Last		Shipping Address		Payment Method	
1002010	Bryan	Wisterling	's Chess. 's Chess.	Street	233 North 1st Street	<input type="radio"/> VISA <input type="radio"/> MasterCard	
				City	Castro Valley	<input type="radio"/> Discover <input type="radio"/> American Express	
				State	CA		
1023495	Jennifer	Ardeny	Enjoys horseback riding and	Street	100 Cranberry St.	<input type="radio"/> VISA <input type="radio"/> MasterCard	
				City	Abilene	<input type="radio"/> Discover <input type="radio"/> American Express	
				State	MA		
1024034	Cindy	White	Enjoys fishing, skiing, and skydiving.	Street	1 Wentworth Dr	<input type="radio"/> VISA <input type="radio"/> MasterCard	
				City	Cabazon		
				State	CITY	ZIP	STATE
1209395	Debra	Parker	Owens his OWN company.	Street	Buzzards	02532 MA	
				City	Bypro	41612 KY	
				State	Cabazon	92282 CA	

	Blue Jack Aqua Center	Ernest Barratt	401-60	Cache	62913	IL	94 11:22:08 PM
	VIP Divers Club	Russell Christopher	809-45	Cadiz	42211	KY	95 6:45:23 PM

Dust No	Country	Last Invoice Date	Company	
	CN 1354	British West Indies	1/30/92 2:00:56 AM	Cayman Divers World Un
	CN 1356	US Virgin Islands	3/20/92 9:35:40 AM	Tom Sawyer Diving Cent
	CN 1380	US	11/8/94 11:22:08 PM	Blue Jack Aqua Center
	CN 1384	US Virgin Islands	2/1/95 6:45:23 PM	VIP Divers Club
	CN 1510	US	11/9/94 1:22:22 AM	Ocean Paradise
	CN 1513	Columbia	7/18/94 5:17:01 PM	Fantastique Aquatica

Items	Order No	Date		Ship To Contact	Cust No.	Items Total
		Sale	Ship			
	#1086	5/18/89	5/19/89		CN 1513	\$14,049.95
		Item No	Part No	Qty	Discount	
		1	2367	1	0	
		2	11518	7	0	
	#1090	5/25/89	5/26/89		CN 1513	\$8,507.00
	#1109	11/13/92	11/13/92		CN 1513	\$203.00
	#1156	5/9/94	5/9/94		CN 1513	\$12,367.00
						\$90,143.40

	CN 1551	Canada	7/7/90 4:20:58 AM	Marmot Divers Club
	CN 1560	US	4/9/94 8:14:52 AM	The Depth Charge

- Custom control integration and flexibility**

InfoPower Essentials allows you to embed a rich variety of controls in the grid, including combos, lookupcombos, datetimepickers, and spinedits. The grid also allows each custom control to do their own painting in the grid so that even graphics, etc. will be displayed for every row in the grid without any code on your part.

Cust No	Buyer	Company Name	Zip	Last Name	First Name	City
348	<input type="checkbox"/>	Giant Plumbing	66534	Schultz	John	Fernandina Beach
492	<input checked="" type="checkbox"/>	Pip Printing	23	Levine	Carl	San Jose
506	<input checked="" type="checkbox"/>	Tele-Path	ZIP	CITY	STATE	
732	<input checked="" type="checkbox"/>	HMS	22957	Montpelier Station	VA	
862	<input checked="" type="checkbox"/>	Star Recors	22967	Roseland	VA	
873	<input checked="" type="checkbox"/>	International Food Ex	22969	Schuyler	VA	
912	<input type="checkbox"/>	Holder's Country Inn	23009	Aylett	VA	ine
965	<input type="checkbox"/>	Foam Roofing	23015	Beaverdam	VA	ami
1100	<input type="checkbox"/>	Dallas Sheet Metal	23016	Beaverlett	VA	
1116	<input type="checkbox"/>	Tarance Corp	23029	Cauthornville	VA	
1126	<input checked="" type="checkbox"/>	ASAP Corp	79057	Hesser	Employee 2560	Mc Lean

The InfoPower Professional version allows the data inspector to be embedded in the grid, giving a multi-row record display. In addition, the CheckBox, RadioGroup, RichEdit, ExpandCollapse buttons, and ImageCombo controls can also be embedded, which significantly improves the versatility of the grid.

You can even embed non-InfoPower controls, such as the TDBImage, or Woll2Woll 1stClass Studio controls such as the 1stClass treecombo, and 1stClass buttons (giving your grid a clickable component for each record). In addition the button colors can be dynamically computed allowing the color to be different based on the record information.

Embed 1stClass buttons in the grid

Account #	Color	Interests/Hobbies	Last	Billing Information
				Shipping Address
2094056	Yellow	♥'s chess.	Jones	Address 10 Hunnewell St State CA Zip 94024
1209395	Red	Owms his company.	Parker	Address 74 South St State CA Zip 98765
3094095	Blue	Retired Enjoys travel and bungee	Sawyer	Address 101 Oakland St State CA Zip 94022

- Grid header enhancements**

The titles in the grid can be displayed and managed hierarchically. This allows you to group related fields together. Also for header dragging operations, the grid more clearing indicates the new placement of the column.

Account #	Name		Interests/Hobbies	Photo	Billing Information		
	First	Last			Payment Method	Balance	
1209395	Jennifers	Ardeny	Enjoys horseback riding and paints.		Shipping Address	Payment Method	Balance
2094056	Arthur	Jones	♥'s chess.		Street 10 Hunnewell...	VISA	\$22.00

- Customize individual cell painting further with additional painting events**

OnBeforeDrawCell, OnAfterDrawCell, OnCalcTitleAttributes, OnCalcCellColors, OnDrawFooterCell

- **Complete control over how the titles are displayed:**

Set the alignment of column headings to left, center or right justified. You can even separately control each column's heading attributes (font color, background color, alignment), as well as display multi-line headings, and icons from ImageLists.

- **Display Footers**

Developer can embed footer cells at the bottom of the grid to display summaries of column information.

Purchase Date	Card Type	Total Invoice	Balance Due
04/16/1994		\$210.00	\$0.00
08/10/1994	AMERICAN EXPRESS	\$666.06	\$0.00
August 1994		\$546.68	\$0.00
Embed Date Time Pickers		\$1,422.73	\$0.00
Footer Cell Support			

- **Expand/Collapse buttons for composite calculated fields**

Use expand/collapse buttons to allow the user to edit a composite field. You can display a calculated field such as full name (composed of first name + last name), and then the user can expand the composite calculated field to edit the individual portions.

Account #	Name	ShippingAddress	Interests/Hobbies
1023495	Jennifers Ardeny	100 Cranberry St., Abilene, MA 02181	Enjoys
2094056	Arthur Jones	10 Hunnewell St, Lowell, CA 94024	
1209395	Debra Parker	74 South St, Astoria, CA 98765	Owns his <i>BMW</i>
		Street: 74 South St	
		City: Astoria	
		State: CA	
		Zip: 98765	
3094095	Dave Sawyer	101 Oakland St, Los Altos, CA 94022	Retired. Enjoys
1024034	Cindy White	1 Wentworth Dr, Los Altos, CA 94022	Enjoys fishing.

- **Allow grouping of related data in grid**

In some cases you may have data that you wish to display as a group in the grid. InfoPower allows you to display this information as a group by only displaying the text for the first instance, as well as removing the lines in between. See the *Company* field below.

Company	EmpNo	OrderNo	SaleDate	ShipDate	ShipVia	Term
Kauai Dive Shoppe	28	1269	12/16/1994	12/16/1994	UPS	FOB
	5	1023	07/01/1988	07/02/1988	UPS	Net
	52	1176	07/26/1994	07/26/1994	UPS	FOB
	9	1076	12/16/1994	04/26/1989	UPS	FOB
	121	1123	08/24/1993	08/24/1993	UPS	Net
	12	1169	07/06/1994	07/06/1994	UPS	FOB
Unisco	127	1173	07/16/1994	07/16/1994	US Mail	Net
	24	1178	08/02/1994	08/02/1994	DHL	FOB
	110	1160	06/01/1994	06/01/1994	US Mail	FOB
	145	1202	10/06/1994	10/06/1994	UPS	FOB
	105	1102	06/06/1992	06/06/1992	UPS	FOB
	71	1278	12/23/1994	12/23/1994	DHL	FOB
	2	1073	04/15/1989	04/16/1989	US Mail	Net
	52	1302	01/16/1995	01/16/1995	UPS	FOB

- **Ditto Capability**

Allow the user to conveniently copy the previous record's value into the cell.

- **Support for exporting from the grid to various formats**

InfoPower supports exporting to various formats to aid your end-users in extracting their displayed data to be used with other applications. In addition you can copy the selected records to the clipboard. See the following for an example of the generated html. InfoPower 2010 adds the ability to export to xml

<http://www.woll2woll.com/infopower/exportexample.html>

- **Supports powerful and expressive edit masking for data validation**

Use either the picture mask language or regular expressions to edit and validate your users's input. For more information on these mask languages see section 3 below.

- **Customizable cell-level hints**

Customer No	Buyer	Information	Company Name
348	No	Giant Plumbing is the leading	Giant Plumbing
492	Yes	Since 1982 Pip Printing has p	Pip Printing
506	Yes	Primarily involved in the suppl	Tele-Path
862	Yes	Star Records is a mail order vintage record supply company that was founded in 1983	Star Records
873	Yes		International Food E
912	No		Holder's Country Inn
965	No	Innovative new roofing materi	Foam Roofing

Customizable cell-level hints when the cell's text does not fit in the cell. Excellent when used with memo fields to display the entire contents of the memo just by moving the mouse over the cell.

- **Persist user's grid settings**

Saving and loading of the user's runtime settings of the column positions and widths from the registry or an inifile.

- **Define fixed, non-scrollable columns, and edit and resize them**

Just set the FixedCols property to indicate the number of nonscrollable columns to display in the left-hand side of the grid. Also allows editable and resizable fixed columns

- **Dynamically determine the background colors and font colors of cells**

The colors of the text and background displayed within individual cells can be dynamically determined based on the values of related field values.

- **Flicker-free display**

The grid improves both its painting performance and visual effect with its new flicker-free display.

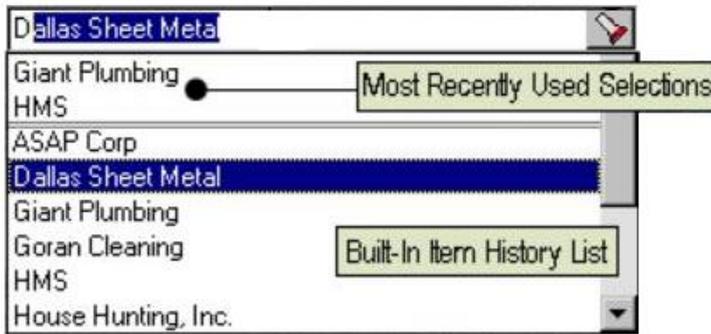
- **Background texture tiling**

InfoPower allows your applications to further impress by adding support for background texture tiling. The component takes care of blending your tile with the color of the grid region, giving you a truly impressive and professional display.

- **Clickable URL link support**
Define columns as URL links (i.e. Email addresses). The grid will automatically handle its display and the opening of the link.
- **Native Alternating color**
New property to automatically alternate the colors of the rows in the grid. This provides a pleasing look to the end-user and helps differentiate one record from another.
- **Proportional column sizing**
The grid can now automatically size all the columns to fit perfectly in the grid's client area. If the grid is resized, all the columns still fit perfectly. Any trailing column space after the last column is removed.
- **End-user row sizing**
User's can enlarge the sizes of the rows by dragging the horizontal line in the indicator column
- **Line color customizations**
You can now override the default line colors
- **Clickable Column headers**
Title Buttons in the Column headers allow you to easily change the index or sort order of your dataset. You can also embed a custom button into the header of the indicator column
- **ImageList support**
Display bitmaps from imagelists in both the column headers and the data cells.
- **Scaleable row heights**
Scale cells to double or triple the height and word-wrap text in resulting cells.
- **Auto-sizing of column**
Dbl-clicking the sizing line for a grid can automatically grow or shrink the column's width, based on the widest displayed text in the column
- **Calculated fields can be edited in the grid**
As a result you will be able to edit calculated linked fields or lookup fields in a grid with only a few lines of code.
- **Auto-sizing of column**
Dbl-clicking the sizing line for a grid can automatically grow or shrink the column's width, based on the widest displayed text in the column
- **Display memo fields within the grid**
View and edit memos, and display a customizable pop-up memo editing window where your end-users can view and/or edit the contents of a memo field, depending on how you set the properties.
- **Built-in support for selecting multiple records**
Select contiguous records using shift-select, and auto-unselect the selected records when you just click on a record.
- **Smart key mapping**
Carriage returns can automatically be converted to a tab for easy navigation

2. Smart and flexible Combo-boxes

InfoPower greatly expands the capabilities of a regular data aware combo-box. It has the following advantages over the native controls. The InfoPower Essentials version allows you to use the combo within the Essentials grid, but not outside the grid.

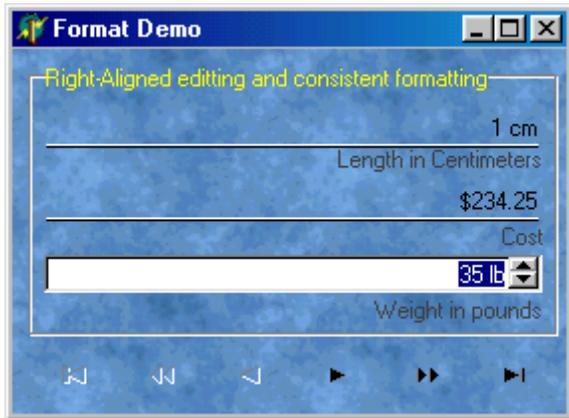


- Combo-boxes with automatic history and MRU lists.**
 InfoPower gives its combo-box the ability to remember the user's previously entered values. The next time the user's program is executed, these previously entered values are automatically filled into the combobox's dropdown list. You can also specify a separate MRU list so that the most recently entered entries appear at the top of the list.
- Mapped Display Values**
 Allows you to enter mapped storage and display values so that you can display understandable text versions of stored codes in your table, instead of displaying only the codes themselves where users have to remember what they all mean.
- Quicken Style Searches**
 All of InfoPower's lookup components support the 'Quicken' style display of the matching value, by simultaneously searching and displaying the matching text in the search control.
- Additional Published Properties**
 Since InfoPower is derived from the InfoPower base editor class, you can access the following additional properties which are not available in Delphi's native combo control: AutoSelect, AutoSize, BorderStyle, CharCase, MaxLength, and InfoPower's validation language *PictureMask* property.
- Framing and Transparency**
 Supports customizable borders, border styles, as well as transparency.
- Flat and Transparent Button Effects**
 The combo buttons in the edit controls can also be displayed in a flat style and transparently as well for an extremely natural and updated look.
- Custom Glyph for DropDown**
 The glyph in the combo is configurable through the control's ButtonGlyph and ButtonWidth properties.

3. Currency and Numeric editors

InfoPower brings consistency to editing your numeric and currency fields. Its components give the end-user the ability to enter in the special currency or custom formatting symbols, and the component will automatically take care of stripping these formatting characters when it comes time to store the data.

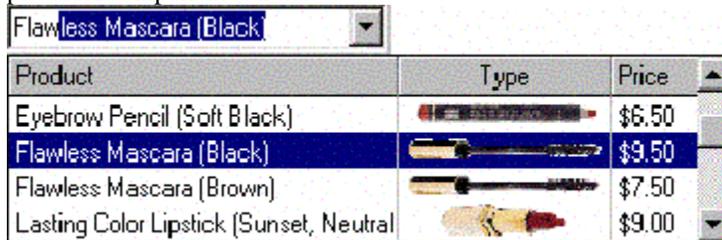
For example, if the user typed in the string '\$1,000.00', the editors take care of stripping the commas and the dollar sign so that the input is converted correctly to a floating point value when storing. The numeric editors also now support right-aligned editing.



4. Advanced LookupCombo Controls

- **TwwDBLookupCombo, TwwDBLookupComboDlg**

InfoPower gives you the most flexible component for selecting entries from a lookuptable. Here is some of what this powerful component can do.



- **Quicken style incremental searching**

All of InfoPower's lookup components now support the 'Quicken' style display of the matching value, by simultaneously searching and displaying the matching text in the search control.

- **Multiple Columns in the DropDown Box or Popup Dialog**

Select any number of fields to be displayed in the drop-down list along with defining their display width and optional titles. Also define in which direction the drop-down list should grow in width, either to the left or to the right, depending on where the component is located on your form.

- **ImageList Support in dropdown**

With the ImageList Support you can display a column of images in the dropdown list.

- **Sorting flexibility**

The values in the drop-down list are sorted in the order of the first field you select to be displayed, if it's a secondary index field, instead of being sorted in primary key order.

- **Support for many dataset types:**

Fill a drop-down list with a table, query, QBE, ClientDataSet, and even parameterized queries.

- **End-user Usability enhancements:**

Smart properties to auto-drop down the list upon a valid keystroke as well as a convenient way of clearing the Lookup Combo's Text.

- **Embed into InfoPower's Grid and RecordView components:**

The component can be used in a TwwDBGrid component to replace any multiple-choice type of field in the grid, giving your end-users sophisticated lookup and fill capabilities within the grid or record-view components.

- **Use unbound or bound**

The component does not have to be bound, or assigned, to a table's field (DataField and DataSource properties) which gives you greater flexibility in using this LookupCombo for general tasks where a source table is not involved.

- **Selectively filter the drop-down list**

Show only the relevant records from the lookup table by attaching to a dependent table, using parameterized queries, or filtering the dataset related to the drop-down list.

- **Framing and Transparency**

Use InfoPower's custom framing to customize how the controls borders and background are painted.

5. Spin Edit Control

The end-user can modify the contents of the `TwwDBSpinEdit` by clicking on the up and down icons. Alternatively they can use the UP Arrow and DOWN Arrow keys. On Date, Time, and DateTime fields the spinedit will highlight the text that is changing while spinning, so the user will visually see what is changing.

6. Date and Time Control - `TwwDBDateTimePicker`

InfoPower provides the most flexible and usable `DateTimePicker` for Delphi. `DateTimePickers` support drop-down calendars to assist the user in selecting a date. InfoPower's Essential version can only be used within the grid, and includes the following functionality.

- Embed within InfoPower's Grid, RecordView, or FilterDialog components.
- Use with or without a database.
- Smart data entry : Auto-advances when enough characters have been entered, and auto-fills the date and time when the space key is entered.
- Display the date in the format of your choice using a format mask. Also supports International date-time formats.
- Spins up/down with the arrow keys and preserves the display format during spinning.
- Numerous display options for controlling the look of the drop-down calendar, such as display of week numbers, display of current date, automatic circling of current date, and support for event based determination of which dates should be in bold.
- Support for simultaneous entry of both date and time in the same control.
- Framing and Transparency
Set the `EditFrame` property to customize how the controls borders and background are painted.

7. ImageCombo

This combo control allows you to embed images from a `TImageList` in the drop-down list in addition to any text associated with the image. In addition the image also appears in the edit portion of the control. You can also display a different text value than is actually stored, by using [MapList](#) in conjunction with setting the Item's [StoredText](#) and [DisplayedText](#) properties. The ImageCombo can also be embedded into the InfoPower grid and inspector components, supporting seamless and codeless integration.

8. InfoPower's Vertical Grid

InfoPower allows you to display a transposed grid where the data columns are vertical, instead of horizontal. This brings your end-users a smart alternative to the left-right editing of a traditional grid. The vertical grid's flexibility can be seen through its hierarchical view of data (similar to a tree).

Client Details (clients2.dbf)			
Photograph			
Account Number	1023495	2094056	1209395
Name	Jennifers Arden	Arthur Jones	Debra Parker
Contact Information	PH:516-292-3945	PH:415-941-4321	PH:916-213-2234
Telephone	516-292-3945	415-941-4321	916-213-2234
Personal Information	Single, Female, 39 years ...	Married, Male, 51 years ...	Married, Female, 36 year...
Interests	Enjoys horseback riding and paints .	♥'s chess.	Owms his own company.
BirthDate	April 18, 1962	February 10, 1950	October 10, 1965
Married	<input type="checkbox"/> False	<input checked="" type="checkbox"/> True	<input checked="" type="checkbox"/> True
Sex	<input checked="" type="radio"/> Female <input type="radio"/> Male	<input type="radio"/> Female <input checked="" type="radio"/> Male	<input checked="" type="radio"/> Female <input type="radio"/> Male
Social Security #	405-30-9771	320-34-5889	102-34-8778
Job Information	Programmer	Doctor	Restauranteur

- Improved custom control integration and flexibility**
 InfoPower allows you to embed a wider variety of controls in the inspector. You can now even embed non-InfoPower controls, such as the TDBImage. The inspector also allows each custom control to do their own painting in the grid so that even graphics, richedits, etc. will be displayed for every row in the grid without any code on your part.
- Background texture tiling**
 InfoPower allows your applications to further impress by adding support for background texture tiling. The component takes care of blending your tile with the color of the inspector region, giving you a truly impressive and professional display.
- Alternating colors for rows**
 New property to automatically alternate the row colors and to highlight the active column
- Enhanced hierarchical display**
 When items are expanded., the inspector now paints tree lines supporting an elegant tree display.
- Group Related fields together**
 Using this control you can group related fields together in categories. Thus providing an organized view of data. You can even display data from different datasets.
- Use it Unbound (without a datasource) or with a single record.**
 You can even use this control unbound just like the Delphi object inspector.

⊕ Name	John R Freeman
⊖ Address	2216 Peterson Drive Livermore, CA, 41557 USA
Street	2216 Peterson Drive
City	Livermore
State	CA
Zip	41557
Country	USA
RichEdit	This is the direct contact for the head of the manufacturing department. Contact him first.
Sabatical	<input checked="" type="checkbox"/>
⊖ Employment Data	
Salary	\$22.5 Per Hour
PayType	Per Hour
PayRate	22.5
⊖ Schedule	10:02:52 AM->11:02:55 AM

9. Superb Validation language

InfoPower provides two independent but expressive languages to validate your user's data entry.

- **Regular Expression edit masks**

InfoPower gives programmers the ability to validate their user's input using regular expressions masks. A regular expression is a special text string for describing a search pattern. Regular expressions are one of the most powerful ways to define a set of rules, and are widely used across many different programming tools.

As-you-type validation is supported, and the end-user can be visually notified of the validity of their input using the error colors. InfoPower 2011 adds regular expression support to the recordview components as well as its TwwDataInspector component.

- **Picture edit masks**

InfoPower gives you incredibly flexible and expressive picture masks which greatly assist in automatically validating your user's input. InfoPower's masks duplicate the Picture function that's been available in Borland's Paradox relational database product, providing the power of a full mask language instead of just a mask template. Picture masks greatly assists the end-user during data entry by intelligent auto-filling of characters where appropriate as well as informing them if they have incorrectly entered any data. This allows data entry to be faster and easier. Here are some examples of the power of picture masks.

Street Address Capitalization

The first letter of each word is automatically capitalized. For instance, if the user enters "235 quinault way", InfoPower conveniently converts the input to "235 Quinault Way" as they are typing.

Masks which contain optional sequence of characters

Such as an optional zip code suffix in a zip code. If the user does not match the format defined by your mask, you can inform the user visually or prevent the control from losing focus.

Intelligent auto-filling of characters as the user types

The user's keystrokes can be minimized as the mask language can fill in the static characters. For instance with a SSN mask of ###-##-####, the dashes (-) can be automatically filled in so that the user just needs to type in the numbers.

- **New centralized visual manager for data validation**

Developer can globally assign validation background and foreground colors for invalid data entered by the user. Invalid data is determined by either regular expressions or picture mask validation.

10. Custom Framing & Transparent Edit Controls

InfoPower gives you the means to create elegant forms that look just like the real hardcopy form they are based on. You may see other component suites that allow you to turn on or off the borders, but do they allow you to see the background through the edit control for true underlined controls? InfoPower does. The new features that InfoPower has added to its edit controls are:

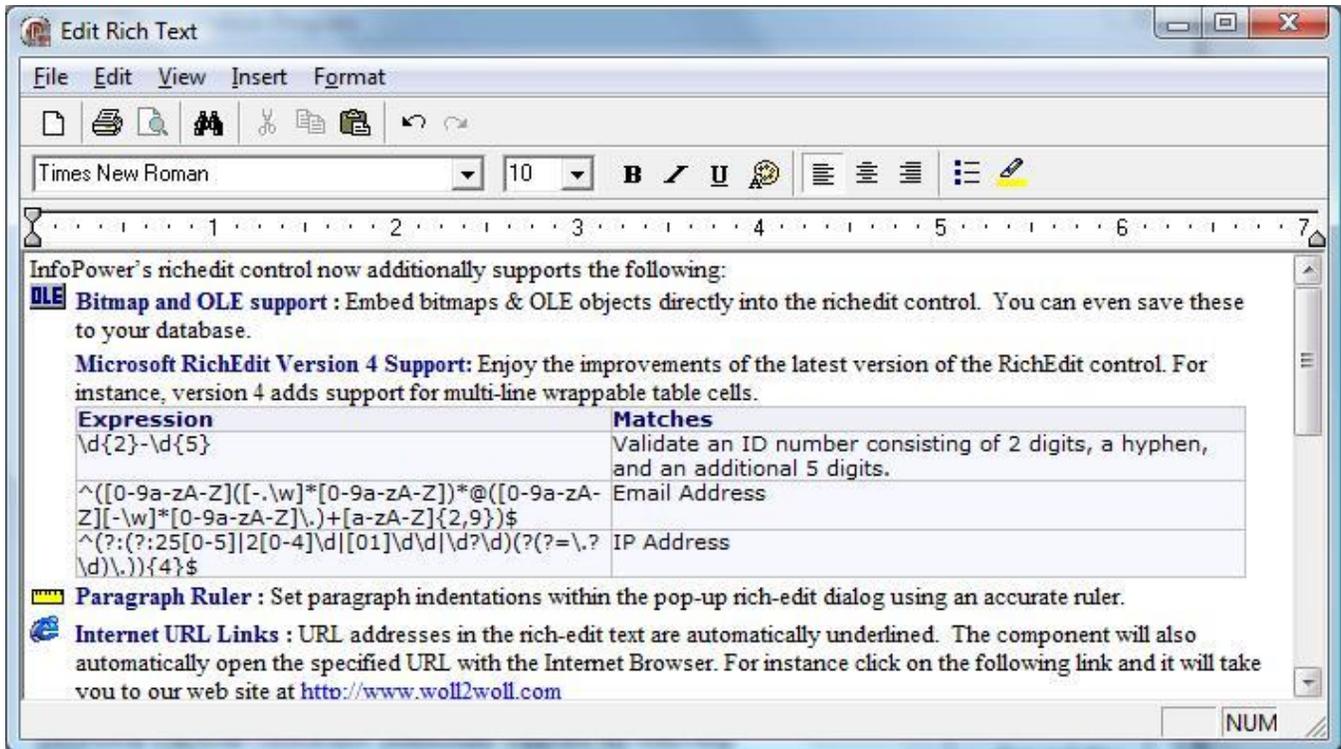
The screenshot shows a check form with a red border. The form contains the following fields and controls:

- Sender Information:** Paul Coffey, 2222 E. 55th Street, San Jose, CA 93116. A ZIP code field contains "1001" with a dropdown arrow.
- Date:** A "DATE" field contains "08/02/1999" with a dropdown arrow.
- Payee Information:** "PAY TO THE ORDER OF" John A. Williams. A numeric field contains "22.55" with a dropdown arrow.
- Amount:** "Twenty Two Dollars and Fifty Five Cents" and "DOLLARS".
- For:** "Stereo Cables" (in red), "Includes \$10 Rebate" (in blue).
- Account Number:** ":145681 :146 :1001".
- Signature:** A line labeled "Signature".

- **Different Border Styles**
However the custom framing goes far beyond simple underline controls as you can display the borders in many different frame styles (bump, raised, box, single, etched, etc).
- **Selective Borders**
You can selectively turn off the top, bottom, left, and/or right borders around InfoPower edit controls.
- **Focus and NonFocus Settings**
What's more is that you can customize these settings depending on the focus of the control.
- **Transparency**
No other VCL gives you all this and the ability to have controls display transparently on your backgrounds. Drop a TImage onto the background of your form and place InfoPower controls and any other VCL Control and you will immediately notice the difference.
- **Custom Glyphs and Transparent Effects on Buttons**
The combo buttons in the edit controls can also be displayed in a flat style and transparently as well for an extremely natural look. Notice the buttons in the edit controls in the screen-shot above, you can also load your own custom glyph in any of our combo controls.
- **Hot-tracking**
Hot-tracking of border styles similar to Microsoft Office

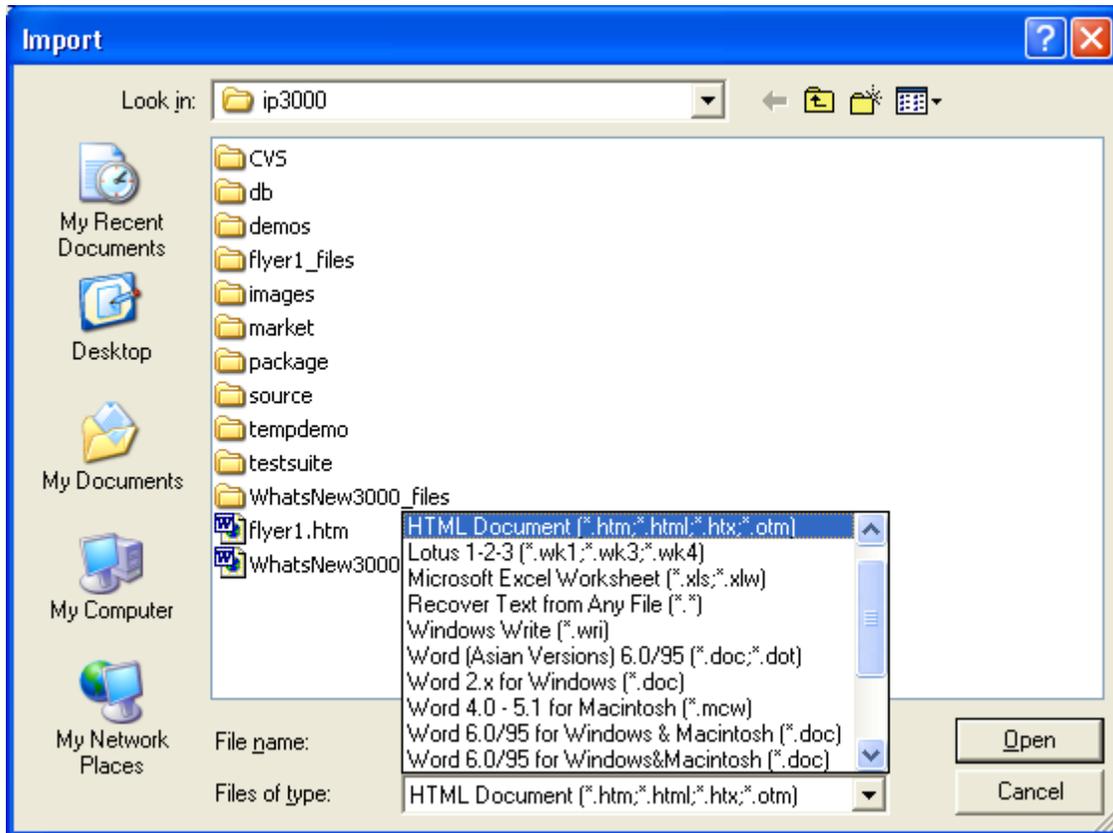
11. The Ultimate Word Processing Control

InfoPower includes a powerful visual component greatly expands upon the capabilities of Delphi's built-in richedit component. It is the most complete and powerful richedit control available.

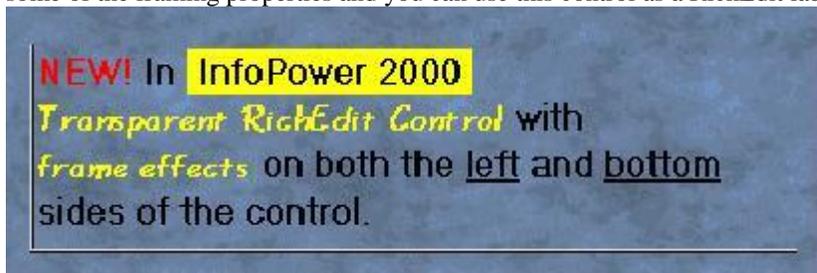


In addition to the functionality of TDBRichEdit, InfoPower's control provides you with the ability to:

- **Bitmap and OLE support:**
Embed bitmaps & OLE objects directly into the richedit control. You can even save these to your database.
- **Wrappable Table Cells**
Supports RichEdit version 4 for improved compatibility with table formatting such as wrappable table cells.
- **Print Preview:**
Allows you to see a preview of the richedit's contents, and even display page numbers, headers, and footers in the print preview.
- **Paragraph Ruler:**
Set paragraph indentations within the pop-up rich-edit dialog using an accurate ruler.
- **Numbered paragraphs**
Numbering support for paragraphs are integrated into the menus
- **Microsoft RichEdit Version 4 Support:**
Enjoy the improvements of the latest version of the RichEdit control. For instance, version 4 adds support for multi-line wrappable table cells.
- **Internet URL Links:**
URL addresses in the rich-edit text are automatically underlined. The component will also automatically open the specified URL with the Internet Browser.
- **Import and Export to HTML**
Import or Export to HTML, import from Microsoft Word. Also supports many other formats.
- **Integrated RTF Word processor:**
End-user can bring up InfoPower's powerful RTF word processor to give them a full word processor environment.
- **Customize printer margins, orientation, and paper size:**
Supports end-user customization of the page layout using the PageSetup common dialog.
- **Header and Footer support**
When printing the richedit contents, a custom header and footer can be part of the hardcopy printout.



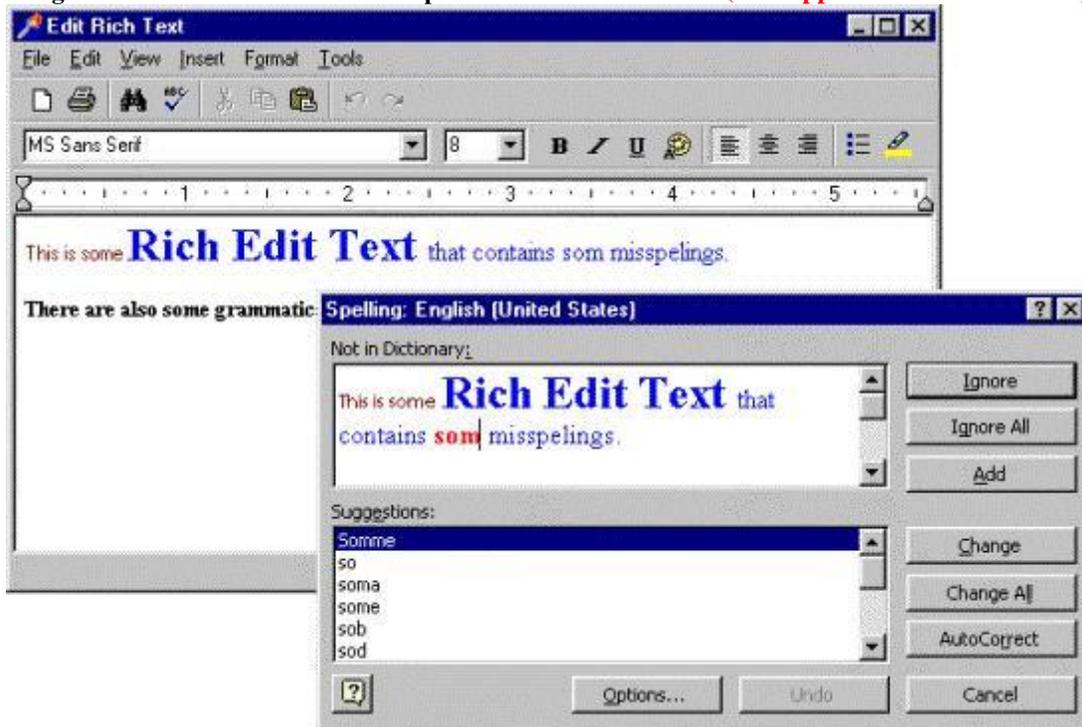
- **Database Search and Filter:**
After storing RTF text into database blob fields, you can still have access to InfoPower's powerful database searching and filtering capabilities.
- **User-definable speed buttons:**
Developer can add their own speedbuttons to the pop-up richedit dialog to integrate other 3rd-party tools such as RTF spell checkers.
- **Find/Replace dialog support.**
- **Extensive pop-up menu support:**
Right-click this component to see an example.
- **Design-time support for entering rich-edit text and OLE into the control.**
Delphi's version cannot store formatted text into the a control during design time.
- **Seamless integration**
Easily embed into InfoPower's RecordView components or attach to a TwwDBGrid to allow the end-user to use the popup wordprocessor to edit RTF fields in the database. The grid will display the unformatted text inside the grid cell.
- **Supports Transparency and Framing effects.**
The richedit control can now be displayed transparently when it does not have the focus. Disable the control and set some of the framing properties and you can use this control as a RichEdit label.



- **User highlighting of text.**

The end-user can now set the background color of selected text. This allows certain text to stand out. User highlighting is integrated as a new button in the word processor.

- **Word processor supports bitmapped menus.**
The word processor has updated the appearance of its menu by displaying bitmaps next to certain menu selections.
- **New events to customize the menus in the word processor.**
You can now more easily change the behavior of the common menu selections from the word processor with the introduction of the following new events: OnMenuLoadClick, OnMenuPrintClick, OnMenuSaveAndExitClick, & OnMenuSaveAsClick.
- **Integration with Microsoft Office's Spell & Grammar Checker (not supported for C++ Builder)**



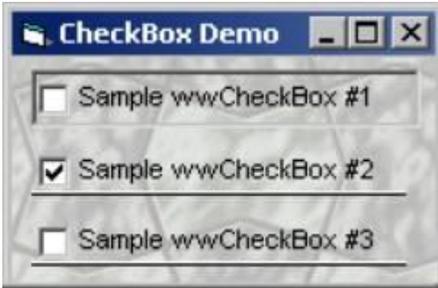
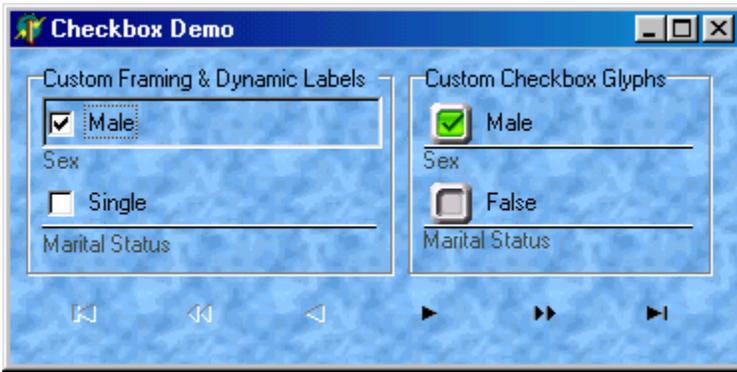
12. RichEditBar component:

The RichEditBar component allows you to have a full word-processor attached and embedded into your own form. While the TwwDBRichEdit can bring up a pop-up word processor, the RichEditBar differs in that the word processing capabilities are available directly from your own form. This outstanding component gives you precise control over each richedit property setting.

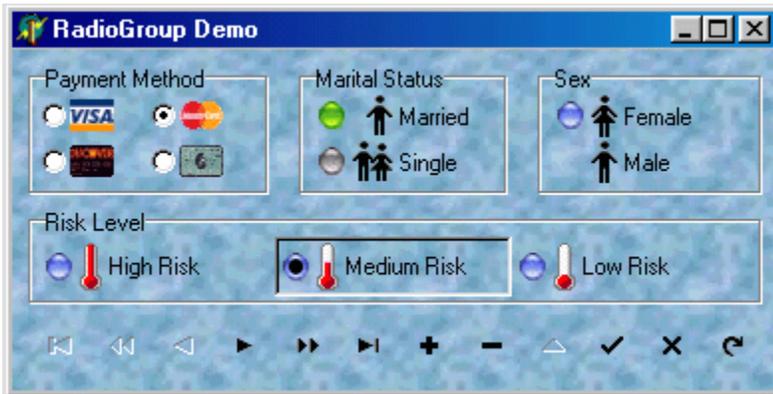
13. Flexible Checkbox Control

InfoPower integrates a versatile new checkbox control into its suite.

- Support for your own custom bitmaps for the checkbox glyphs
- Support for 3 states including integration with the InfoPower grid, record-view components, and data inspector.
- Dynamic caption support – The text of the checkbox can change to reflect the underlying value or mapped value.
- Custom framing and transparency support for a consistent look with other InfoPower edit controls



14. Custom Radio group Control



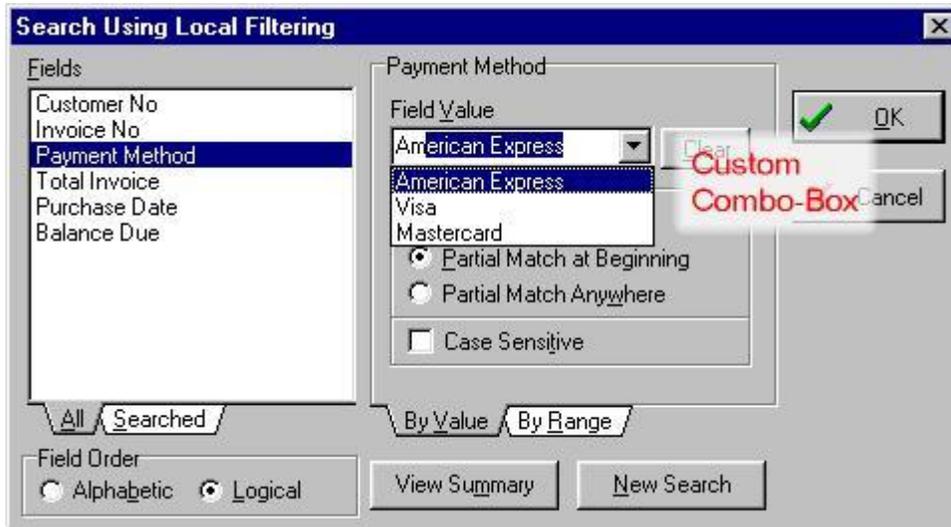
InfoPower integrates a versatile radio-group control into its suite.

- Support for your own custom bitmaps radio-button glyphs
- Support for additional glyph for each radio item
- Integration with the InfoPower grid, record-view components, and data inspector.
- Custom framing and transparency support for a consistent look with other InfoPower edit controls

15. Fast Search and Filtering Components and Dialogs

Visual Filtering

InfoPower's elegant `TwwFilterDialog` is one of the most useful end-user components as it enables them with the ability to visually filter a dataset, modify the where clause of an existing SQL query, or even filter records in Delphi's `TClientDataSets`.



Simple for the end-user to use:

Even though the dialog is capable of sophisticated SQL generation, the dialog is simple to use as it completely hides the filtering and SQL details from the end-user.

- **Unmatched filtering power:**
Your end-users can specify a search value, or a range, for any number of fields contained within the dataset.
- **Wildcard Filtering within Fields**
Select a specific type of data match to be performed within the field, such as "From beginning of field", "Anywhere within the field", and "Exact match".
- **Special customizable keywords**
Specify keywords such as "AND", "OR", "NULL" to specify multiple filter criteria for each field, such as... John OR Paul. InfoPower also allows the end-user to easily see all non-matching records.
- **Filter even on memo fields, or blob fields containing Rich Text Format**
- **Fast performance**
Support for filtering on the server side for fast performance! When using the component with a TQuery object, you can have the back-end perform determine which records should be included in the view.
- **Automatic Aliases for user entered text**
You can now map user-entered text to a specific database value. This can allow the enduser to filter based on some more meaningful text even if that text is not stored in the database. For instance if the database was storing the codes 1, 2, 3, and they respectively represented the strings 'Visa', 'Mastercard', 'American Express', you could allow the user to enter the string 'Visa' instead of '1' to find all customers who used a visa card.

TwvKeyCombo

If your end-users want a way to sort or incrementally search on other fields, then just drop our database sort component onto your application.

- **Automatically displays all available indexes**
The drop-down selection list is populated with the DisplayNames of all indexes available for the table that it is assigned to.
- **Support for all fields of a ClientDataSet or ADODataset**
You can incrementally search or sort-by any field in datasets that support local mode.

TwvIncrementalSearch

TwvIncrementalSearch is a visual interface component that provides your end-users with a means to incrementally search for values. As the end-user enters characters into the edit box, the component performs a search operation based on the characters currently in the edit box, moving to the record that contains the closest match

- **Perform Quicken Style Searches**
Set ShowMatchText to true to have Quicken Style incremental searching by simultaneously searching and displaying the matching text in the search control.
- **Fast Performance**
Automatically uses any available index to enhance performance when doing the lookups.
- **Supports InfoPower's flexible picture masks.**
- **Framing and Transparency**
Set the EditFrame property to customize how the controls borders and background are painted.

TwwLocateDialog

The TwwLocateDialog component itself is non-visual but when executed it provides your end-users with a dialog box that allows them to search for a value within any field, including Memo fields.

- **Perform Case-Sensitive or Case Insensitive Exact or Partial Match Searches**
- **FindFirst and FindNext Methods**
The built-in FindFirst and FindNext methods can be executed under program control without displaying the dialog box. This lets the developer assign any end-user keyboard key, button or icon to these methods, allowing the user to repeat the last locate command or start over from the beginning of the table without having to re-display the dialog box or re-enter their search criteria.
- **Wildcard searching**
TwwLocateDialog provides your end-users with a dialog box that allows them to search or partial search for a value within any field, including Memo data type fields, calculated fields, and lookup fields.

TwwSearchDialog, TwwLookupDialog, etc.

InfoPower also includes other powerful and easy to use dialogs that are let your users find the data they are looking for. These dialogs support:

- Supports InfoPower's flexible picture masks.
- User Definable Buttons
Up to 2 user definable buttons are included in these dialogs for your own custom actions.
- **Useful events for further Customization**
Use the OnInitDialog or OnCloseDialog events or any of the other events to further customize how the dialog is used and displayed.

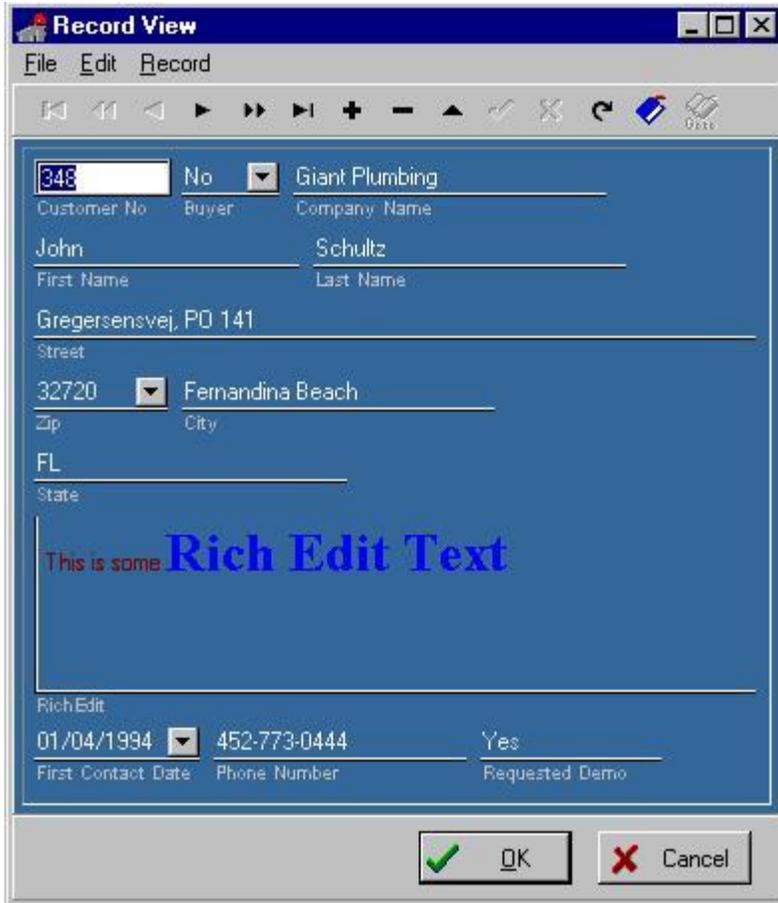
16. Date and Time Controls

TwwDBMonthCalendar

InfoPower's MonthCalendar control allows you to display a calendar to the end-user.

- Hide/Show the Week Numbers, Today String, and Today Circle in the Drop Down Month Calendar.
- Display one or more months of a year in a single InfoPower calendar control.
- Change the colors and fonts of the calendar.
- Supports configurable pop-up menus when clicking on either the year or the month
- Code-based determination of which dates should be displayed in bold. For instance bold-face weekends, holidays, and paydays.
- Use with or without a database.

17. Dynamic Custom Record Viewing or Editing



TwwRecordViewDialog and TwwRecordViewPanel

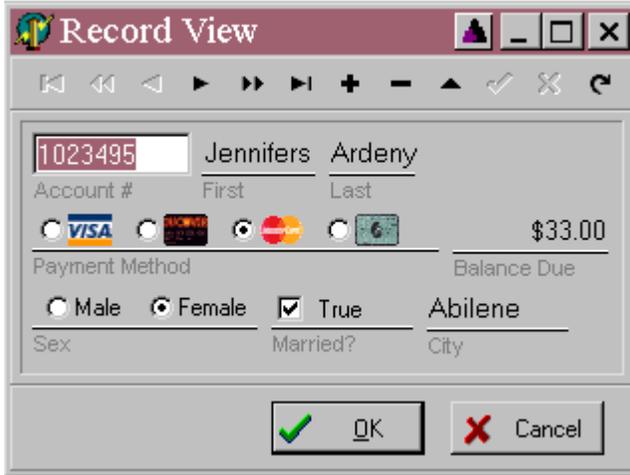
These InfoPower components provide a convenient way to view or edit a record's contents. The component dynamically creates a form based on your DataSet's field properties. It removes the necessity of building custom record editing forms or the need for using experts for each table. The main difference between these two components is that one is a popup modal/nonmodal dialog, while the other is a panel that can be embedded directly on your own form. Some of its features are:

- **Supports embedded controls**
The record-view will automatically use the TwwDBDateTimePicker control on date or time fields, and the TwwDBRichEdit control with RTF memo fields. It also contains support for embedding custom controls and 1stClass controls.
- **Flexible detailed display options**
InfoPower's recordview components come with a ton of property settings that allow you to:
 - Control the spacing between labels and controls for that consistent look and feel.
 - Choose from a vertical or horizontal layout for the fields.
 - In vertical display mode you can make all the edits have the same width.
 - Change a single property and you can display readonly fields in another color, hide readonly fields, hide calculated fields and much more.
 - You can also easily display background images using techniques listed on our tips page.
- **Picture mask support**
Set PictureMasks, add custom menus, grid integration and much more!
- **Labels beneath the controls**

Set the Options | `tvoLabelsBeneathControls` to true to place labels underneath their related edit control. See picture below for an example of this.

- **Framing and Transparency**

Set the `EditFrame` property to customize how the controls borders and background are painted. For instance, simply set the `EditFrame.Enabled` and `EditFrame.Transparent` properties to True to display the edit controls transparently. Put an image in the background for truly quick and amazing professional results.



InfoPower allows you to embed the checkbox and radio-group controls within the record-view components. In addition, the record-view also supports the new InfoPower framing styles.

18. Extendable and Flexible Database Navigator (Professional Version Only)



InfoPower includes an extendable DBNavigator component (database navigator to move through and manipulate the data in a dataset), which supports user-definable images and actions, integration with InfoPower's dialogs, flexible control over the layout, user-definable page sizes, and support for multiple rows of icons.

- **Extendable:**
Add additional speed buttons to the navigator to execute your own custom code.
- **Additional standard icons**
Contains built-in navigator buttons such as bookmarks, InfoPower dialogs, and PageUp/PageDown.
- **Display vertically or horizontally** or combine navigators to get just about any look you want.
- **4-State Custom Glyph Support**
Contains built-in support for animated icons when an enduser moves their mouse over the navigator button. Set `numglyphs` to 4 and store the Default, Disabled, Down, and MouseOver glyphs in the navigator's `ImageList`.
- **Flexible design tools and resource efficient.**
- **Supports Transparency**
The InfoPower navigator updates its appearance by allowing you to transparently display the navigator and its related buttons. This helps your applications present a very professional and polished look.
- **Action List Support**
To help ease the use of customizing the navigator's actions, action list support is now supported for each navigator button.

19. Custom style support

All of InfoPower visual controls now support custom styles. Delphi supports VCL styles, allowing you to create a professional and custom look and feel to your applications. Styles are applied to your existing InfoPower and 1stClass components so you can get a new elegant look without having to modify any of your source code. Delphi includes many professionally designed styles that you can immediately apply to your existing applications.



See <http://www.woll2woll.com/ordering.html> for further details on ordering InfoPower, and special upgrade pricing.