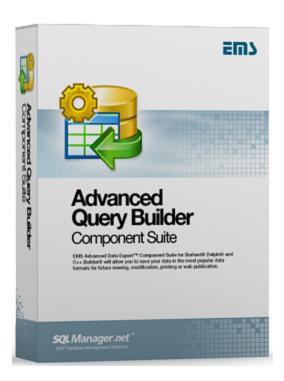


Advanced Query Builder for RAD Studio VCL User's Manual

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Advanced Query Builder for RAD Studio VCL User's Manual

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Document generated on: 15.01.2025

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Part

1 Welcome to Advanced Query Builder for RAD Studio VCL!

1.1 Overview

EMS Advanced Query Builder for RAD Studio VCL is a component for Delphi and C++ Builder intended for visual building SQL statements for the SELECT, INSERT, UPDATE and DELETE clauses. It allows you to build new queries visually and/or graphically represent the existing queries in your own applications. The suite includes components for working with standard SQL and a number of dialects used in most popular RDBMS. Advanced Query Builder enables users to make up large and complicated SQL queries with unions and subqueries for different servers even without any knowledge of the SQL syntax.

Key features

- Support for 64-bit Windows target platform
- Standard SQL, InterBase/Firebird, MySQL, PostgreSQL, SQL Server, Oracle, and DB2 support
- Detailed help system and a demo application for quicker mastering the product
- Powerful component and property editors which admit to setting many query building parameters at the design-time easily
- High productivity even on slow computers
- Powerful SQL parser which allows you to represent complicate SQL statements visually
- Creating TxxxQueryBuilder components for working with the specified server easily
- Full customization of font colors, object appearance, etc.
- Delphi 2010, XE-XE8, 10 Seattle, 10.1 Berlin, 10.2 Tokyo, 10.3 Rio, 10.4 Sydney, 11 Alexandria, 12 Athens, and C++ Builder 2010, XE-XE8, 10 Seattle, 10.1 Berlin, 10.2 Tokyo, 10.3 Rio, 10.4 Sydney, 11 Alexandria, 12 Athens support

Product information

Homepage https://www.sqlmanager.net/products/tools/querybuilder

Support Ticket System https://www.sqlmanager.net/support

Register on-line at https://www.sqlmanager.net/products/tools/querybuilder/buy

1.2 What's new

Version Release date

Advanced Query Builder for RAD Studio VCL 3.14

January 19, 2024

What's new in Advanced Query Builder for RAD Studio VCL 3.14?

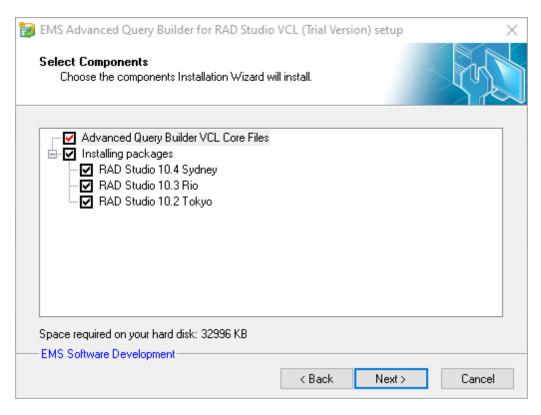
- Support for RAD Studio 12 Athens implemented.
- Fixed parsing of parameters in the expression with IN operator.
- Fixed removal of table alias in CASE expression.
- TcxScrollBar in DevExpress version of components.
- Fixed duplicated columns in SELECT query.
- Fixed building components with {\$T+} compiler option enabled.
- Fixed parsing of CASE operator.
- Fixed hang on parsing GROUP BY clause.
- Parentheses in JOIN clauses are optional for MS SQL Server/MS Access now.
- Fixed parsing of LEFT JOIN clause for MS SQL Server.
- Fixed paths for 32-bit Clang compiler in RAD Studio options.
- Other minor fixes.

1.3 Installation

To install the **trial version** of **Advanced Query Builder for RAD Studio VCL** onto your system:

- download the distribution package of Advanced Query Builder for RAD Studio VCL from the <u>download page</u> available at our website;
- unzip the downloaded file to any local directory, e.g. C:\unzipped;
- close all currently opened Delphi and/or C++ Builder IDEs, if any;
- run the executable setup file from the local directory and follow the instructions of the installation wizard.

During the installation you will need to select the packages to install.



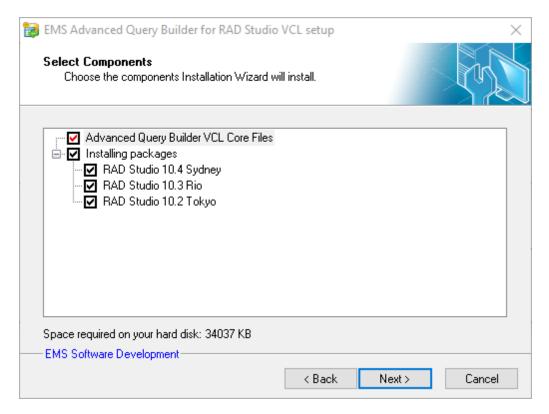
When you are done, you can finish installation of the **trial version** of **Advanced Query Builder for RAD Studio VCL**.

To install the **full version** of **Advanced Query Builder for RAD Studio VCL** onto your system:

- download the distribution package of Advanced Query Builder for RAD Studio VCL from the <u>download page</u> available at our website;
- unzip the downloaded file to any local directory, e.g. C:\unzipped;
- close all currently opened Delphi and/or C++ Builder IDEs, if any;
- run the executable setup file from the local directory and follow the instructions of the installation wizard.

Enter valid registration information in the appropriate boxes: **Registration name** and **Registration Key**. See <u>details</u> on getting this information.

During the installation you will need to select the packages to install.



When you are done, you can finish installation of the **full version** of **Advanced Query Builder for RAD Studio VCL**.

Note: If the above given instructions have been insufficient for successful installation of the component suite, please refer to the *readme.1st* file distributed with the product.

1.4 Registration

All purchases are provided by **PayPro Global** registration service. The **PayPro Global** order process is protected via a secure connection and makes on-line ordering by credit/debit card quick and safe.

PayPro Global is a global e-commerce provider for software and shareware sales via the Internet. It accepts payments in US Dollars, Euros, Pounds Sterling, Japanese Yen, Australian Dollars, Canadian Dollars or Swiss Franks by Credit Card (Visa, MasterCard/EuroCard, American Express, Diners Club), Bank/Wire Transfer.

If you want to review your order information, or you have questions about ordering or payments please visit our <u>PayPro Global Shopper Support</u>, provided by **PayPro Global**.

Please note that all of our products are delivered via ESD (Electronic Software Delivery) only. After purchase you will be able to immediately download the registration keys. Also you will receive a copy of registration keys by email. Please make sure to enter a valid email address in your order. If you have not received the keys within 2 hours, please, contact us at sales@sglmanager.net.

Product distribution	PayPro Global
Advanced Query Builder for RAD Studio VCL Component Full version (with sources)*	Register Now!
Advanced Query Builder for RAD Studio VCL Component Trial version	Download Now!

*EMS Maintenance Program provides the following benefits:

- Free software bug fixes, enhancements, updates and upgrades during the maintenance period
- Free unlimited communications with technical staff for the purpose of reporting Software failures
- Free reasonable number of communications for the purpose of consultation on operational aspects of the software

After your maintenance expires you will not be able to update your software or get technical support. To protect your investments and have your software up-to-date, you need to renew your maintenance.

You can easily reinitiate/renew your maintenance with our on-line, speed-through Maintenance Reinstatement/Renewal Interface. After reinitiating/renewal you will receive a confirmation e-mail with all the necessary information.

1.5 How to register Advanced Query Builder

To register your newly purchased copy of **EMS Advanced Query Builder for RAD Studio VCL**, perform the following steps:

- receive the notification letter from **Digital River** with the registration info;
- enter the **Registration Name** and the **Registration Key** from this letter while <u>installing</u> the **full version** of the product.

See also:

Registration

1.6 Other EMS Products

Quick navigation



MySQL



Microsoft SQL

Server











Tools & components

MySQL



SQL Management Studio for MySQL

EMS SQL Management Studio for MySQL is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



<u>SQL Manager for MySQL</u> Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



Data Export for MySQL

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more.



Data Import for MySQL

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



Data Pump for MySQL

Migrate from most popular databases (MySQL, PostgreSQL, Oracle, DB2, InterBase/Firebird, etc.) to MySQL.



Data Generator for MySQL

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



DB Comparer for MySQL

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



DB Extract for MySQL

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



SQL Query for MySQL

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



Data Comparer for MySQL

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

Scroll to top

Microsoft SQL Server



SQL Management Studio for SQL Server

EMS SQL Management Studio for SQL Server is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



EMS SQL Backup for SQL Server

Perform backup and restore, log shipping and many other regular maintenance tasks on the whole set of SQL Servers in your company.



SQL Administrator for SQL Server

Perform administrative tasks in the fastest, easiest and most efficient way. Manage maintenance tasks, monitor their performance schedule, frequency and the last execution result.



SQL Manager for SQL Server

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



Data Export for SQL Server

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more



Data Import for SQL Server

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



Data Pump for SQL Server

Migrate from most popular databases (MySQL, PostgreSQL, Oracle, DB2, InterBase/Firebird, etc.) to Microsoft® SQL Server $^{\text{TM}}$.



<u>Data Generator for SQL Server</u>

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



DB Comparer for SQL Server

 $\label{lem:compare} \begin{tabular}{ll} Compare and synchronize the structure of your databases. Move changes on your development database to production with ease. \end{tabular}$



DB Extract for SQL Server

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



SQL Query for SQL Server

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



Data Comparer for SQL Server

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

Scroll to top

PostgreSQL



SQL Management Studio for PostgreSQL

EMS SQL Management Studio for PostgreSQL is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



EMS SQL Backup for PostgreSQL

Creates backups for multiple PostgreSQL servers from a single console. You can use automatic backup tasks with advanced schedules and store them in local or remote folders or cloud storages



SQL Manager for PostgreSQL

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



Data Export for PostgreSQL

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more



Data Import for PostgreSQL

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



Data Pump for PostgreSQL

Migrate from most popular databases (MySQL, SQL Server, Oracle, DB2, InterBase/Firebird, etc.) to PostgreSQL.



Data Generator for PostgreSQL

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



DB Comparer for PostgreSQL

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



DB Extract for PostgreSQL

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



SQL Query for PostgreSQL

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



Data Comparer for PostgreSQL

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

Scroll to top

InterBase / Firebird



SQL Management Studio for InterBase/Firebird

EMS SQL Management Studio for InterBase and Firebird is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



SQL Manager for InterBase/Firebird

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



Data Export for InterBase/Firebird

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more



Data Import for InterBase/Firebird

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



<u>Data Pump for InterBase/Firebird</u>

Migrate from most popular databases (MySQL, SQL Server, Oracle, DB2, PostgreSQL, etc.) to InterBase/Firebird.



Data Generator for InterBase/Firebird

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



DB Comparer for InterBase/Firebird

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



DB Extract for InterBase/Firebird

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



SQL Query for InterBase/Firebird

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



Data Comparer for InterBase/Firebird

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

Scroll to top

Oracle



SQL Management Studio for Oracle

EMS SQL Management Studio for Oracle is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



SQL Manager for Oracle

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



Data Export for Oracle

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more.



Data Import for Oracle

Import your data from MS Access, MS Excel and other popular formats to database tables via

user-friendly wizard interface.



Data Pump for Oracle

Migrate from most popular databases (MySQL, PostgreSQL, MySQL, DB2, InterBase/Firebird, etc.) to Oracle



Data Generator for Oracle

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



DB Comparer for Oracle

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



DB Extract for Oracle

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



SQL Query for Oracle

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



Data Comparer for Oracle

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

Scroll to top

IBM DB2



SQL Manager for DB2

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



Data Export for DB2

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more.



Data Import for DB2

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



Data Pump for DB2

 $\label{eq:migrate} \mbox{Migrate from most popular databases (MySQL, PostgreSQL, Oracle, MySQL, InterBase/Firebird, etc.) to DB2$



Data Generator for DB2

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



DB Extract for DB2

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



SQL Query for DB2

Analyze and retrieve your data, build your queries visually, work with query plans, build charts

based on retrieved data quickly and more.

Scroll to top

Tools & components



Advanced Data Export for RAD Studio VCL

Advanced Data Export for RAD Studio VCL allows you to save your data in the most popular office programs formats.



Advanced Data Export .NET

Advanced Data Export .NET is a component for Microsoft Visual Studio .NET that will allow you to save your data in the most popular data formats for the future viewing, modification, printing or web publication. You can export data into MS Access, MS Excel, MS Word (RTF), PDF, TXT, DBF, CSV and more! There will be no need to waste your time on tiresome data conversion - Advanced Data Export will do the task quickly and will give the result in the desired format.



Advanced Data Import for RAD Studio VCL

Advanced Data Import for RAD Studio VCL will allow you to import your data to the database from files in the most popular data formats.



Advanced PDF Generator for RAD Studio

Advanced PDF Generator for RAD Studio gives you an opportunity to create PDF documents with your applications written on Delphi or C++ Builder.



Advanced Query Builder for RAD Studio VCL

Advanced Query Builder for RAD Studio VCL is a powerful component for Delphi and C++ Builder intended for visual building SQL statements for the SELECT, INSERT, UPDATE and DELETE clauses.



Advanced Excel Report for RAD Studio

Advanced Excel Report for RAD Studio is a powerful band-oriented generator of template-based reports in MS Excel.



Advanced Localizer for RAD Studio VCL

Advanced Localizer for RAD Studio VCL is an indispensable component for Delphi for adding multilingual support to your applications.

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Part III

2 Advanced Query Builder

EMS Advanced Query Builder for RAD Studio VCL represents a set of tools for efficient query building.

From a programmer's point of view the suite represents a homomorphic hierarchy of classes with the common ancestor TCustomQueryBuilder. It contains properties and methods which are common for all the descendant classes. Beside the basic properties, methods and events, some specific characteristics are included in descendant classes.

Advanced Query Builder for RAD Studio VCL provides a collection of the following components:

Component	Brief description
<u>TCustomQueryBuilder</u>	Common component for query building
TFullQueryBuilder	Represents complex SQL query. It holds collection of TCustomQueryBuilder components representing single SELECT queries
<u>TSQLQueryBuilder</u>	Provides building queries with standard SQL syntax
<u>TInterBaseQueryBuilder</u>	Provides building queries for InterBase/FireBird
<u>TMySQLQueryBuilder</u>	Provides building queries for MySQL
<u>TPgSQLQueryBuilder</u>	Provides building queries for PostgreSQL
<u>TMSSQLQueryBuilder</u>	Provides building queries for Microsoft® SQL Server™
TDB2QueryBuilder	Provides building queries for DB2
<u>TDBIQueryBuilder</u>	Provides building queries for DBISAM

2.1 TCustomQueryBuilder

2.1.1 TCustomQueryBuilder Reference

Unit **QBWindow**

Description

The *TCustomQueryBuilder* component is the basic component of the collection. It contains properties, methods and events that are common for all its descendants.

2.1.2 Properties

<u>Aggregates</u> **---Functions Images** • • <u>Keywords</u> <u>Operators</u> • **Options** • **Predicates** • **Quantifiers** • **Palette ---**<u>Parser</u> <u>SQL</u> • Style • <u>TabHeight</u> • **VisibleTabs**

2.1.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.1.2.2 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.1.2.3 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.1.2.4 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The Operators property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.1.2.5 Options

Applies to

TCustomQueryBuilder component

Declaration

type

 ${\tt TQBOptions = \textbf{set of}(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldTelection)} \\$

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.1.2.6 Quantifiers

Applies to

TCustomQueryBuilder component

Declaration

property Quantifiers: TStrings;

Description

The *Quantifiers* property contains the list of the SQL quantifiers, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Operators property
Predicates property

2.1.2.7 Predicates

Applies to

TCustomQueryBuilder component

Declaration

property Predicates: TStrings;

Description

The *Predicates* property contains the list of the SQL predicates, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Operators property
Quantifiers property

2.1.2.8 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.1.2.9 Parser

Applies to

TCustomQueryBuilder component

Declaration

property Parser: TQBSelectParser;

Description

The *Parser* property is used for parsing the SELECT statement, assigned to the <u>SQL</u> property, for defining different objects (tables, fields, conditions, etc.) used in the query. This property is read-only.

See also:

SQL property

2.1.2.10 SQL

Applies to

TCustomQueryBuilder component

Declaration

property SQL: string;

Description

The SQL property contains the result SQL statement to be executed on the server.

See also:

Parser property

2.1.2.11 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.1.2.12 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.1.2.13 VisibleTabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDat TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.1.3 Methods

🛶 Key methods

DoAddRemoveLinkDoAddRemoveTable

BeginReload

EndReload

2.1.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.1.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.1.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.1.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.1.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.1.4 Events

Key events

OnAddRemoveLink
 OnAddRemoveTable
 OnEnterProc Parameter
 OnGetTableFields
 OnParserError

2.1.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.1.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.1.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPTable; Description of the property OnEnterProcParameter: TenterProcParameter;
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.1.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.1.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

2.2 TFullQueryBuilder

2.2.1 TFullQueryBuilder Reference

Unit **QBWindow**

Description

The *TFullQueryBuilder* component representing complex SQL query. It holds collection of <u>TCustomQueryBuilder</u> components representing single SELECT queries.

2.2.2 Properties

▶ Run-time only Key properties **TypeQuery ---OnlySelect** <u>UnionAllByDefault</u> • • **QueryBuilders** <u>Aggregates</u> **Functions Keywords Operators Predicates Quantifiers Options** Palette **QuoteIdentifiers Style** <u>TabHeight</u> **VisibleTabs**

2.2.2.1 TypeQuery

Applies to

TFullQueryBuilder component

Declaration

type

```
TQBTypeQuery = (tqSelect, tqInsert, tqUpdate, tqDelete);
property TypeQuery: TQBTypeQuery;
```

Description

The *TypeQuery* property determines SQL statement represented by the component. There are SELECT, INSERT, UPDATE and DELETE statements available for building.

See also:

OnlySelect property
UnionAllByDefault property

2.2.2.2 OnlySelect

Applies to

TFullQueryBuilder component

Declaration

property OnlySelect: Boolean;

Description

The *OnlySelect* property restricts building INSERT, UPDATE and DELETE SQL statements being set to True.

See also:

TypeQuery property
UnionAllByDefault property

2.2.2.3 UnionAllByDefault

Applies to

TFullQueryBuilder component

Declaration

property UnionAllByDefault: Boolean;

Description

The *UnionAllByDefault* property specifies type of combining results of two joined SELECT statements. While set to True the default type is UNION ALL, otherwise - UNION.

See also:

OnlySelect property
TypeQuery property

2.2.2.4 QueryBuilders

Applies to

TFullQueryBuilder component

Declaration

property QueryBuilders: TQueryBuilders;

Description

The *QueryBuilders* property is collection of <u>TQueryBuilder</u> components. Each item in this collection represents single SELECT SQL statement.

See also:

AddQureyBuilder method
DeleteQuueryBuilder metod
SetActiveQureyBuilder method
OnAddQuuery event

2.2.3 Methods

Key methods

AddQueryBuilder

DeleteQueryBuilder

SetActiveQueryBuilder

DoAddRemoveLink DoAddRemoveTable

BeginReload

Clear

EndReload

2.2.3.1 AddQueryBuilder

Applies to

TFullQueryBuilder component

Declaration

function AddQueryBuilder(AddUnion: Boolean): TCustomQueryBuilder;

Description

Call AddQueryBuilder method to create new TQueryBuilder component representing single SELECT SQL statement. Set AddUnion parameter to True if you want to add union subquery. Set AddUnion to False if you want to add derived subquery.

See also:

QueryBuilders property
DeleteQuueryBuilder metod
SetActiveQureyBuilder method
OnAddQuuery event

2.2.3.2 DeleteQueryBuilder

Applies to

TFullQueryBuilder component

Declaration

procedure DeleteQueryBuilder(AName: String);

Description

Call DeleteQueryBuilder method to remove existing TQueryBuilder component representing single SELECT SQL statement. AName parameter is the Name property of removed component.

See also:

QueryBuilders property
AddQureyBuilder method
SetActiveQureyBuilder method
OnAddQuuery event

2.2.3.3 SetActiveQueryBuilder

Applies to

TFullQueryBuilder component

Declaration

procedure SetActiveQueryBuilder(AName: String);

Description

Call SetActiveQueryBuilder method to display particular TQueryBuilder component representing single SELECT SQL statement. AName parameter is the Name property of displayed component.

See also:

QueryBuilders property
AddQureyBuilder method
DeleteQuueryBuilder metod
OnAddQuuery event

2.2.4 Events

Key events

OnAddQuery

<u>OnAddRemoveLink</u>

<u>OnAddRemoveTable</u>

<u>OnEnterProcParameter</u>

OnGetTableFields

OnParseError

2.2.4.1 OnAddQuery

Applies to

TFullQueryBuilder component

Declaration

property OnAddQuery: TNotifyEvent;

Description

The <code>OnAddQuery</code> event takes place when a new TQueryBuilder component is added to the <code>QueryBuilders</code> collection.i

See also:

QueryBuilders property
AddQureyBuilder method
DeleteQuueryBuilder metod
SetActiveQureyBuilder method

2.3 TSQLQueryBuilder

2.3.1 TSQLQueryBuilder Reference

Unit

QBWindow

Description

The *TSQLQueryBuilder* component is intended for creating SELECT statements based on the standard SQL syntax (ANSI 92). It can be used, for example, for working with BDE objects.

2.3.2 Properties

- Aggregates
 Functions
 Keywords
 Operators
 Predicates
 Quantifiers
 Options
 Palette
- QuoteIdentifiers
- StyleTabHeightVisibleTabs

2.3.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.3.2.2 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.3.2.3 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.3.2.4 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The Operators property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.3.2.5 Options

Applies to

TCustomQueryBuilder component

Declaration

type

 ${\tt TQBOptions = \textbf{set of}(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldTelection)} \\$

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.3.2.6 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.3.2.7 Quoteldentifiers

Applies to

<u>TSQLQueryBuilder</u> component

Declaration

property QuoteIdentifiers: boolean;

Description

If property *QuoteIdentifiers* is true, then all the identifiers are quoted when the script is generated.

2.3.2.8 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.3.2.9 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.3.2.10 VisibleTabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDag
TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.3.3 Methods

🛶 Key methods

DoAddRemoveLinkDoAddRemoveTable

BeginReload

<u>EndReload</u>

2.3.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.3.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.3.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.3.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.3.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.3.4 Events

Key events

OnAddRemoveLink
 OnAddRemoveTable
 OnEnterProc Parameter
 OnGetTableFields
 OnParserError

2.3.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction; TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.3.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.3.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPTable; Description of the property OnEnterProcParameter: TenterProcParameter;
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.3.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.3.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

2.4 TInterBaseQueryBuilder

2.4.1 TInterBaseQueryBuilder Reference

Unit

QBIBWindow

Description

The *TInterBaseQueryBuilder* component is intended for creating queries from InterBase/FireBird tables.

2.4.2 Properties

Aggregates
Functions
Keywords
Operators
Options
Palette
SQLDialect
SQLServer
Style
TabHeight
VisibleTabs

2.4.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.4.2.2 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.4.2.3 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.4.2.4 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The Operators property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.4.2.5 Options

Applies to

TCustomQueryBuilder component

Declaration

type

TQBOptions = **set of**(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldT

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.4.2.6 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.4.2.7 SQLDialect

Applies to

TInterBaseQueryBuilder component

Declaration

```
type
```

```
TQBSQLDialect = (qibDialect1, qibDialect3);
property SQLDialect: TQBSQLDialect;
```

Description

The *SQLDialect* property defines, which SQL dialect - Dialect 1 or Dialect 3 should be used.

See also:

SQLServer property

2.4.2.8 SQLServer

Applies to

TInterBaseQueryBuilder component

Declaration

```
type
```

```
TQBIBSQLServer = (qssInterBase, qssFireBird);
property SQLServer: TQBIBSQLServer;
```

Description

The SQLServer property defines which database server is used - InterBase or Firebird.

See also:

SQLDialect property

2.4.2.9 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.4.2.10 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.4.2.11 VisibleTabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDag
TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.4.3 Methods

www.Key methods

DoAddRemoveLinkDoAddRemoveTable

BeginReload

EndReload

2.4.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.4.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.4.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.4.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.4.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.4.4 Events

Key events

OnAddRemoveLink
 OnAddRemoveTable
 OnEnterProc Parameter
 OnGetTableFields
 OnParserError

2.4.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction; TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.4.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.4.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPToperty OnEnterProcParameter: TEnterProcParameter;
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.4.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.4.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

2.5 TMySQLQueryBuilder

2.5.1 TMySQLQueryBuilder Reference

Unit

QBMyWindow

Description

The TMySQLQueryBuilder component is used for creating queries from the MySQL tables.

2.5.2 **Properties**

▶ Run-time only Key properties

<u>Aggregates</u>

Functions

Keywords

Operators

<u>Options</u>

<u>Palette</u>

QuoteIdentifiers

Style TabHeight

VisibleTabs

2.5.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.5.2.2 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.5.2.3 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.5.2.4 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The Operators property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.5.2.5 Options

Applies to

TCustomQueryBuilder component

Declaration

type

TQBOptions = **set of**(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldT

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.5.2.6 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.5.2.7 Quoteldentifiers

Applies to

<u>TSQLQueryBuilder</u> component

Declaration

property QuoteIdentifiers: boolean;

Description

If property *QuoteIdentifiers* is true, then all the identifiers are quoted when the script is generated.

2.5.2.8 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.5.2.9 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.5.2.10 VisibleTabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDag
TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.5.3 Methods

www.Key methods

DoAddRemoveLinkDoAddRemoveTable

<u>BeginReload</u>

EndReload

2.5.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.5.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.5.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.5.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.5.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.5.4 Events

Key events

OnAddRemoveLink
 OnAddRemoveTable
 OnEnterProc Parameter
 OnGetTableFields
 OnParserError

2.5.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction; TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.5.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.5.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPTable; Description of the property OnEnterProcParameter: TenterProcParameter;
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.5.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.5.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

2.6 TPgSQLQueryBuilder

2.6.1 TPgSQLQueryBuilder Reference

Unit

QBPgWindow

Description

The *TPgSQLQueryBuilder* component is used for creating queries from the PostgreSQL tables.

2.6.2 Properties

<u>Aggregates</u>

Functions

Keywords

Operators

<u>Options</u>

<u>Palette</u>

<u>Style</u>

TabHeight

<u>UseNamespaces</u>

<u>VisibleTabs</u>

2.6.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.6.2.2 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.6.2.3 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.6.2.4 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The *Operators* property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.6.2.5 Options

Applies to

TCustomQueryBuilder component

Declaration

type

 ${\tt TQBOptions = \textbf{set of}(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldTelection)} \\$

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.6.2.6 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.6.2.7 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.6.2.8 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.6.2.9 UseNamespaces

Applies to

<u>TPgSQLQueryBuilder</u> component

Declaration

property UseNamespaces: boolean;

Description

If the *UseNamespaces* property is true, namespaces are used in building and parsing SQL statements. Use this for working with PostgreSQL v7.3 and higher.

2.6.2.10 VisibleTabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDag
TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.6.3 Methods

www.Key methods

DoAddRemoveLinkDoAddRemoveTable

BeginReload

EndReload

2.6.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.6.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.6.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.6.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.6.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.6.4 Events

Key events

OnAddRemoveLink
OnAddRemoveTable
OnEnterProcParameter
OnGetTableFields
OnParserError

2.6.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction; TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.6.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.6.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPTable; Description of the property of the procedure of t
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.6.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.6.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

2.7 TMSSQLQueryBuilder

2.7.1 TMSSQLQueryBuilder Reference

Unit

QBMSWindow

Description

The TMSSQLQueryBuilder component is used for creating queries from the Microsoft SQL tables.

2.7.2 Properties

Aggregates
AlterQuotes
Functions
Keywords
Operators
Options
Palette
Style
TabHeight

VisibleTabs

2.7.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.7.2.2 AlterQuotes

Applies to

TMSSQLQueryBuilder component

Declaration

property AlterQuotes: boolean;

Description

If the *AlterQuotes* property is True, then the "" characters are used for quoting identifiers instead of [] characters.

2.7.2.3 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.7.2.4 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.7.2.5 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The Operators property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.7.2.6 Options

Applies to

TCustomQueryBuilder component

Declaration

type

 ${\tt TQBOptions = \textbf{set of}(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldTelection)} \\$

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.7.2.7 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.7.2.8 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.7.2.9 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.7.2.10 VisibleTabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDat TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.7.3 Methods

🛶 Key methods

DoAddRemoveLinkDoAddRemoveTable

<u>BeginReload</u>

EndReload

2.7.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.7.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.7.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.7.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.7.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.7.4 Events

Key events

OnAddRemoveLink OnAddRemoveTable OnEnterProcParameter OnGetTableFields OnParserError

2.7.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction; TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.7.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.7.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPTable; Description of the property OnEnterProcParameter: TenterProcParameter;
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.7.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.7.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

2.8 TDb2QueryBuilder

2.8.1 TDb2QueryBuilder Reference

Unit **QBDb2Window**

Description

The TDb2QueryBuilder component is used for creating queries from the IBM DB2 tables.

2.8.2 Properties

<u>Aggregates</u>

Functions

Keywords

Operators

<u>Options</u>

<u>Palette</u>

<u>Style</u>

TabHeight

<u>UseNamespaces</u>

<u>VisibleTabs</u>

2.8.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.8.2.2 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.8.2.3 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.8.2.4 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The Operators property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.8.2.5 Options

Applies to

TCustomQueryBuilder component

Declaration

type

TQBOptions = **set of**(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldT

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.8.2.6 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.8.2.7 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.8.2.8 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.8.2.9 UseNamespaces

Applies to

TDb2QueryBuilder component

Declaration

property UseNamespaces: boolean;

Description

If the *UseNamespaces* property is true, namespaces are used in building and parsing SQL statements

2.8.2.10 VisibleTabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDag
TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.8.3 Methods

www.Key methods

DoAddRemoveLinkDoAddRemoveTable

<u>BeginReload</u>

<u>Clear</u>

EndReload

2.8.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.8.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.8.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.8.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.8.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.8.4 Events

Key events

OnAddRemoveLink
OnAddRemoveTable
OnEnterProcParameter
OnGetTableFields
OnParserError

2.8.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction; TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.8.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.8.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPTable; Description of the property OnEnterProcParameter: TenterProcParameter;
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.8.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.8.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

2.9 TDbiQueryBuilder

2.9.1 TDbiQueryBuilder Reference

Unit **QBDbiWindow**

Description

The *TDbiQueryBuilder* component is used for creating queries from the DBISAM tables.

2.9.2 Properties

Aggregates
Functions
Keywords
Operators
Options
Palette
Style
TabHeight
VisibleTabs

2.9.2.1 Aggregates

Applies to

TCustomQueryBuilder component

Declaration

property Aggregates: TStrings;

Description

The *Aggregates* property contains the list of all the Aggregate functions, available in the 'Grouping criterions' area for use in the query.

See also:

Functions property Keywords property Operators property Predicates property Quantifiers property

2.9.2.2 Functions

Applies to

TCustomQueryBuilder component

Declaration

property Functions: TStrings;

Description

The *Functions* property contains the list of the SQL functions, available for use in the query.

See also:

Aggregates property
Keywords property
Operators property
Predicates property
Quantifiers property

2.9.2.3 Keywords

Applies to

TCustomQueryBuilder component

Declaration

property Keywords: TStrings;

Description

The *Keywords* property contains the list of all the SQL keywords, available for use in the query.

See also:

Aggregates property
Functions property
Operators property
Predicates property
Quantifiers property

2.9.2.4 Operators

Applies to

TCustomQueryBuilder component

Declaration

property Operators: TQBOperators;

Description

The Operators property contains all the operators, available for use in the query.

See also:

Aggregates property
Functions property
Keywords property
Predicates property
Quantifiers property

2.9.2.5 Options

Applies to

TCustomQueryBuilder component

Declaration

type

TQBOptions = **set of**(qboRowSelect, qboDragFieldName, qboHideSelection, qboShowFieldT

property Options: TQBOptions;

Description

The *Options* property is a set of suboptions which define the following options of the component:

qboRowSelectselects the whole row in the 'Criteria' areaqboDragFieldNameshows the field name on dragging the fieldqboHideSelectionhides the selected items if the object is inactive

qboShowFieldTypes shows the field types by hint

qboClearTabsOnTypeCha indicates to clear 'Criterion' tabs when changing type of the

nge query (SELECT, INSERT, etc.)

See also:

Palette property

2.9.2.6 Palette

Applies to

TCustomQueryBuilder component

Declaration

property Palette: TQBPalette;

Description

The Pallete property defines various colors, used by the component.

See also:

Options property

2.9.2.7 Style

Applies to

TCustomQueryBuilder component

Declaration

property Style: TQBStyle;

Description

The *Style* property defines the appearance of the 'Criterions' area buttons and 'Buider' area objects.

See also:

TQBStyle class

2.9.2.8 TabHeight

Applies to

TCustomQueryBuilder component

Declaration

property TabHeight: Integer;

Description

The *TabHeight* property defines the height of the condition panels.

See also:

VisibleTabs property

2.9.2.9 Visible Tabs

Applies to

TCustomQueryBuilder component

Declaration

type

TQBVisibleTab = (qbtCriterions, qbtSelection, qbtGroupCriterions, qbtSorting, qbtDag
TQBVisibleTabs = set of TQBVisibleTab;

property VisibleTabs: TQBVisibleTabs;

Description

The *VisibleTabs* property defines which of the Advanced QueryBuilder tabs ('Criterions', 'Selection', Grouping Criterions', 'Sorting', 'Data') are visible.

See also:

TabHeight property

2.9.3 Methods

🛶 Key methods

DoAddRemoveLinkDoAddRemoveTable

BeginReload

EndReload

2.9.3.1 DoAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveLink(Link: TQBLink; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveLink</code> method to add or remove link to the work area. The Link parameter is the TQBLink object, which defines the properties of the link to add or remove. If Action is qbaAdd, then the link, specified by the Link parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveTable method

2.9.3.2 DoAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

type

```
TQBAction = (qbaAdd, qbaRemove);
```

function DoAddRemoveTable(Table: TQBTable; Action: TQBAction): Boolean;

Description

Use the <code>DoAddRemoveTable</code> method to add or remove table to the work area. The Table parameter is the TQBTtable object, which defines the properties of the table to add or remove. If Action is qbaAdd, then the table, specified by the Table parameter, is being added to the work area, otherwise it's being removed.

See also:

DoAddRemoveLink method

2.9.3.3 BeginReload

Applies to

TCustomQueryBuilder component

Declaration

procedure BeginReload; virtual;

Description

The *BeginReload* method prepares the 'Criterions' and 'Grouping Criterions' areas for making any changes. You must call this method each time you want to change the <u>Operators</u> property and call <u>EndReload</u> when all the changes are done.

See also:

Operators property EndReload method

2.9.3.4 Clear

Applies to

TCustomQueryBuilder component

Declaration

procedure Clear;

Description

The Clear method clears the work area and all the condition panels.

See also:

<u>DoAddRemoveLink method</u> <u>DoAddRemoveTable method</u>

2.9.3.5 EndReload

Applies to

TCustomQueryBuilder component

Declaration

procedure EndReload; virtual;

Description

The *EndReload* method should be called when the changes in the 'Criterions' panel, started by the <u>BeginReload</u> method are done.

See also:

Operators property BeginReload method

2.9.4 Events

Key events

OnAddRemoveLink
OnAddRemoveTable
OnEnterProcParameter
OnGetTableFields
OnParserError

2.9.4.1 OnAddRemoveLink

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveLinkEvent = procedure(Sender: TObject; Link: TQBLink; Action: TQBAction; TQBAction;
```

property OnAddRemoveLink: TAddRemoveLinkEvent;

Description

The OnAddRemoveLink event takes place when a link is added/removed to/from the component work area. The Link parameter defines the properties of the link to add/remove. Action defines if the link is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveTable event

2.9.4.2 OnAddRemoveTable

Applies to

TCustomQueryBuilder component

Declaration

```
type
```

```
TQBAction = (qbaAdd, qbaRemove);
TAddRemoveTableEvent = procedure(Sender: TObject; Table: TQBTable; Action: TQBAction
```

property OnAddRemoveTable: TAddRemoveTableEvent;

Description

The *OnAddRemoveTable* event takes place when a table is added/removed to/from the component work area. The Table parameter defines the properties of the table to add/remove. Action defines if the table is added or removed. Output parameter Accept allows you to forbid or permit action.

See also:

OnAddRemoveLink event

2.9.4.3 OnEnterProcParameter

Applies to

TCustomQueryBuilder component

Declaration

type

```
TEnterProcParameter = procedure(Sender: TObject; SProcedure: TQBTable; ListItem: TQPToperty OnEnterProcParameter: TEnterProcParameter;
```

Description

The *OnEnterProcParameter* event takes place before the procedure input parameter is added.

See also:

OnGetTableFields event

2.9.4.4 OnGetTableFields

Applies to

TCustomQueryBuilder component

Declaration

type

```
TGetTableFieldsEvent = procedure(const NameOfTable: string; var ADataSet: TDataSet;
property OnGetTableFields: TGetTableFieldsEvent;
```

Description

The OnGetTableFields event takes place, when you set the <u>SQL</u> property in run-time. Constant parameter NameOfTable is the table name, used in the SELECT ... FROM statement. Using parameter ADataSet you can define the dataset, containing data to select from, and using AParams you can define the dataset parameters.

See also:

<u>OnEnterProcParameter</u>

2.9.4.5 OnParserError

Applies to

TCustomQueryBuilder component

Declaration

property OnParserError: TQBParserErrorEvent;

Description

The *OnParserError* event takes place when parsing the <u>SQL property</u> causes an error in the TQBParser object. When error occurs, you receive the following information: error code, line number, line position and token.

See also:

Parser property
SQL property

Part IIII

3 Units

3.1 QBWindow unit

Components

TCustomQueryBuilder
TSQLQueryBuilder
TFullQueryBuilder
TQueryBuilders
TQueryBuilder

Objects

TOBPalette
TOBStyle
TOBObjectStyle

3.1.1 TQBPalette class

Unit

QBWindow

Description

The TQBPalette class contains properties defining various colors used by the descendant of the $\underline{\text{TCustomQueryBuilder}}$ component.

3.1.1.1 Properties

ActiveCondition

ProcClient

<u>TableClient</u>

<u>Field</u>

Group

Operation

<u>Predicate</u>

SubQuery

3.1.1.1.1 ActiveCondition

Applies to TQBPalette class

Declaration

property ActiveCondition: TColor;

Description

The ActiveCondition property defines the color of the active condition in the 'Criterions' area.

See also:

Proc Client property
Table Client property
Field property
Group property
Operation property
Predicate property
SubQuery property

3.1.1.1.2 ProcClient

Applies to TQBPalette class

Declaration

property ProcClient: TColor;

Description

The ProcClient property defines the procedure color the 'Builder' area.

See also:

ActiveCondition property
TableClient property
Field property
Group property
Operation property
Predicate property
SubQuery property

3.1.1.1.3 TableClient

Applies to TQBPalette class

Declaration

property TableClient: TColor;

Description

The ProcClient property defines the table color the 'Builder' area.

See also:

ActiveCondition property
ProcClient property
Field property
Group property
Operation property
Predicate property
SubQuery property

3.1.1.1.4 Field

Applies to TQBPalette class

Declaration

property Field: TColor;

Description

The Field property defines the color of the fields in the 'Criterions' area.

See also:

ActiveCondition property
ProcClient property
TableClient property
Group property
Operation property
Predicate property
SubQuery property

3.1.1.1.5 Group

Applies to TQBPalette class

Declaration

property Group: TColor;

Description

The Group property defines the color of the groups in the 'Criterions' area.

See also:

ActiveCondition property
ProcClient property
TableClient property
Field property
Operation property
Predicate property
SubQuery property

3.1.1.1.6 Operation

Applies to TQBPalette class

Declaration

property Operation: TColor;

Description

The Operation property defines the color of the operations in the 'Criterions' area.

See also:

ActiveCondition property
ProcClient property
TableClient property
Field property
Group property
Predicate property
SubQuery property

3.1.1.1.7 Predicate

Applies to TQBPalette class

Declaration

property Predicate: TColor;

Description

The Predicate property defines the color of the predicates and qualifiers in the 'Criterions' area.

See also:

ActiveCondition property
ProcClient property
TableClient property
Field property
Group property
Operation property
SubQuery property

3.1.1.1.8 SubQuery

Applies to TQBPalette class

Declaration

property SubQuery: TColor;

Description

The SubQuery property defines the color of the subqueries in the 'Criterions' area.

See also:

ActiveCondition property
ProcClient property
TableClient property
Field property
Group property
Operation property
Predicate property

3.1.2 TQBStyle class

Unit

QBWindow

Description

The TQBStyle class contains properties which define the appearance of the 'Criterions' area buttons and 'Buider' area objects.

3.1.2.1 Properties

ButtonStyle
ObjectStyle
TableStyle
OldStyleLook

3.1.2.1.1 OldStyleLook

Applies to TQBStyle class

Declaration

property OldLookStyle: Boolean;

Description

The OldStyleLook property defines the appearance of Query Builder. It allows to hide some extended visual feuatures of Query Builder (e.g. Subqueries tabs).

See also:

ObjectStyle property
TableStyle property

3.1.2.1.2 ButtonStyle

Applies to TQBStyle class

Declaration

type

```
TQBButtonStyle = (qbsUltraFlat, qbs3DLook, qbsFlat);
property ButtonStyle: TQBButtonStyle;
```

Description

The ButtonStyle property defines the appearance of the condition buttons on the 'Criterions' panel.

See also:

ObjectStyle property
TableStyle property

3.1.2.1.3 ObjectStyle

Applies to TQBStyle class

Declaration

property ObjectStyle: TQBObjectStyle;

Description

The ObjectStyle property defines the appearance of objects on the 'Builder' area.

See also:

ButtonStyle property
TableStyle property

3.1.2.1.4 TableStyle

Applies to TQBStyle class

Declaration

```
TQBTableStyle = (qtsStandard,qtsXPStyle);
property TableStyle: TQBTableStyle;
```

Description

The TableStyle property defines the XP style appearance of tables on the 'Builder' area.

See also:

ButtonStyle property
ObjectStyle property

3.1.3 TQBObjectStyle class

Unit

QBWindow

Description

The TQBObjectStyle class defines the appearance of objects on the 'Builder' area of $\underline{\mathsf{TCustomQueryBuilder}}$ descendant.

3.1.3.1 Properties

BorderKind

Flat

FlatButtons

3.1.3.1.1 BorderKind

Applies to TQBObjectStyle class

Declaration

```
type
```

```
TQBBorderKind = (qbkBump, qbkEtched, qbkRaised, qbkSunken);
```

property BorderKind: TQBBorderKind;

Description

The BorderKind property defines the appearance of the table and procedure borders in the 'Builder' area.

See also:

Flat property FlatButtons property 3.1.3.1.2 Flat

Applies to TQBObjectStyle class

Declaration

property Flat: boolean;

Description

The Flat property defines if the object on the 'Buidler' area is 'flat', i.e its borders are neither raised nor lowered.

See also:

BorderKind property
FlatButtons property

3.1.3.1.3 FlatButtons

Applies to TQBObjectStyle class

Declaration

property FlatButtons: boolean;

Description

The FlatButtons property defines the appearance of the header buttons of the object on the 'Builder' area. If FlatButtons is true, then button's borders aren't raised, until you drag a mouse over it.

See also:

BorderKind property Flat property

3.1.4 TQueryBuilder

Unit

QBWindow

Description

The TQueryBuilder is an item of $\underline{\text{TQueryBuilders}}$ collection representing a single SELECT SQL statement. TQueryBuilder stores the link to the $\underline{\text{TCustomQueryBuilder}}$ component.

3.1.4.1 Properties

3.1.4.1.1 Data

Applies to

TQueryBuilder component

Declaration

property Data: TCustomQueryBuilder;

Description

The Data property is the link to TCustomQueryBuilder object representing single SELECT SQL statement.

3.1.5 TQueryBuilders

Unit

QBWindow

Description

The TQueryBuilders is a collection of $\underline{\mathsf{TQueryBuilder}}$ components. Each item in this collection represents a single SELECT SQL statement.

3.1.5.1 Properties

3.1.5.1.1 Items

Applies to

TQueryBuilders component

Declaration

property Items[Index: Integer]: TQueryBuilder;

Description

The QueryBuilder property is a collection of <u>TQueryBuilder</u> components. Each item in this collection represents a single SELECT SQL statement.

Use the Items property to access individual items in a collection. The value of the Index parameter corresponds to the Index property of a collection item. It represents its position in the collection. Items are zero-based indexed. If the Index parameter value is negative or exceeds the maximum available index, an exception is raised. The last available item index is always one less than the Count property value.

See also:

Add method FindByName method

3.1.5.2 Methods

Key methods

<u>----</u>

<u>Add</u>

<u>FindByName</u>

3.1.5.2.1 Add

Applies to

TQueryBuilders component

Declaration

function Add: TQueryBuilder;

Description

Adds an item to the <u>TQueryBuilder</u> collection.

See also:

<u>Items property</u> <u>FindByName method</u>

3.1.5.2.2 FindByName

Applies to

TQueryBuilders component

Declaration

function FindByName(const Name: string): TQueryBuilder;

Description

Call FindByName to retrieve field information for a field given its name. Name is the name of an existing field. FindByName returns the TQueryBuilder component that represents the specified query builder.

See also:

Items property
Add metod

3.2 QBFloatTable unit

Objects TQBTable

3.2.1 TQBTable class

Unit

QBFloatTable

Description

The TQBTable class contains properties which describe the table object on the 'Builder' area.

3.2.1.1 Properties

• <u>Alias</u> Caption **---Expand** <u>Height</u> • <u>ItemHeight</u> **---**• <u>Left</u> • <u>TableName</u> Top Width **---**

3.2.1.1.1 Alias

Applies to TQBTable object

Declaration

property Alias: string;

Description

The Alias property is the alias of the table, which TQBTable object corresponds to.

See also:

<u>Caption property</u> <u>TableName property</u> 3.2.1.1.2 Caption

Applies to TQBTable object

Declaration

property Caption: string;

Description

The Caption property defines the table name, displaying on the top of the table object.

See also:

Alias property
TableName property

3.2.1.1.3 Expand

Applies to TQBTable object

Declaration

property Expand: Bool;

Description

If Expand property is true, the object is in its usual state, otherwise, only the object header is visible.

See also:

ItemHeight property

3.2.1.1.4 Height

Applies to TQBTable object

Declaration

property Height: Integer;

Description

The Hight property defines the object height.

See also:

Width property
ItemHeight property

3.2.1.1.5 ItemHeight

Applies to TQBTable object

Declaration

property ItemHeight: Integer;

Description

The ItemHeight property defines the height of the table fields.

See also:

Height property
Expand property

3.2.1.1.6 Left

Applies to TQBTable object

Declaration

property Left: Integer;

Description

The Left property is the outermost left coordinate of the object.

See also:

Top property

3.2.1.1.7 TableName

Applies to TQBTable object

Declaration

property TableName: string;

Description

The TableName property is the name of the table, which the object corresponds to.

See also:

Alias property
Caption property

3.2.1.1.8 Top

Applies to TQBTable object

Declaration

property Top: Integer;

Description

The Top property is the outermost top coordinate of the object.

See also:

Left property

3.2.1.1.9 Width

Applies to TQBTable object

Declaration

property Width: Integer;

Description

The Width property defines the object width.

See also:

Height property

3.3 QBIBWindow unit

Components

<u>TInterBaseQueryBuilder</u>

3.4 QBMyWindow unit

Components

<u>TMySQLQueryBuilder</u>

3.5 QBPgWindow unit

Components

TPgSQLQueryBuilder

3.6 QBMSWindow unit

Components

TMSSQLQueryBuilder

3.7 QBDb2Window unit

Components

TDb2QueryBuilder

3.8 QBDbiWindow unit

Components

TDbiQueryBuilder

Credits

Software Developers:

Alexey Butalov

Alex Paclin

Dmitry Ziborov

Ivan Plyusnin

Nikolay Chanov

Igor Brynskich

Vadim Vinokur

Technical Writers:

Dmitry Doni

Semyon Slobodenyuk

Olga Ryabova

Cover Designer:

Tatyana Makurova

Translators:

Anna Shulkina

Sergey Fominykh

Team Coordinators:

Alexey Butalov

Alexander Chelyadin

Roman Tkachenko