

# R:BASE 11

for Windows

## Feature Highlights





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*by R:BASE Technologies, Inc.*

*Welcome to R:BASE 11 for Windows!*

*R:BASE 11 is the innovative release from R:BASE Technologies offering the latest relational database elements to create function-rich and visually appealing applications.*

*The must-have powerful and flexible features give users an extended range of dashboard controls encompassing simplicity without sacrificing elegance.*

*Providing crucial data protection, that is also reliable and secure, R:BASE 11 delivers a versatile environment for building robust systems for real time data analysis and essential business management.*

# R:BASE 11 - Feature Highlights

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First Edition

## 1 R:BASE 11 Highlights

1. Updated GUI for latest operating systems
2. New database stored static variables
3. Enhanced **NOTE** data type to hold up to 10,000 characters
4. New Table Wizard (32 available business/personal templates)
5. Trace Prompt toolbar where any R:BASE command may be executed from the Trace Debugger
6. Added **EXCEPT** clause for the **SELECT ALL** command, to exclude a subset of columns from a query
7. New Aztec Code 2-Dimensional Barcode type added to Report/Label Designer
8. Added **CREATE INDEX** support for NOT NULL (partial) indexes, where the index is populated with references to rows where the column value is not NULL
9. Added support to import OpenOffice spreadsheet (.ods) files
10. New **RANKAVG** statistical function to return the statistical rank of a given value
11. The Print Preview includes an optional Report Outline for quickly referencing data in large reports
12. New **CVAL('LAST\_MOD')** function to return the date and time stamp (text) for the last modification made to the database data
13. Enhanced Data Browser Update Query utility with a Query History to retain table queries
14. Redesigned Data Dictionary utility
15. Added "Save" button when searching for text in EEPs, object properties, and expressions, where each module may be saved individually
16. New **FISHER** statistical function to return the Fisher transformation
17. New Find in list Filter to search for items within the Database Explorer work space
18. New database comments
19. Added ability to roll back unwanted changes to variable definitions (one variable at a time) in the Expression Builder
20. Enhanced **PROJECT** command with **EXCEPT** parameter support to specify columns that will not be included in the projected table
21. Added multi-selection (click and drag lassoing) with group moving of tables/views in the Query Wizard
22. Added "Save EEP To Folder" menu option for Forms, Reports, Labels, and External Forms where the EEP code for the selected objects may be saved to a folder
23. Enhanced Font dialog for designers, with font type preview and color customization
24. New **EXPLAIN** command which outputs the optimizer selections for the specified query
25. Support for local variables within MDI forms
26. New **RANKEQ** statistical function to return the statistical rank of a given value
27. Enhanced Color Editor dialog for background/foreground colors, object properties, and in other areas where a color may be selected
28. New **CVAL('LAST\_SCHEMA\_MOD')** function to return the date and time stamp (text) for the last modification made to the database schema
29. Added support to export data to OpenOffice Text Document (.odt) files
30. Enhanced Existing tab of the Form Designer Object List toolbar to list the control hierarchy according to the tab order
31. New **DBCONE** command which displays all applications (application, path, and file name) with connections to the connected database
32. Added Database Explorer column for Views, listing the table/view source that each view is comprised of
33. Support to directly edit a stored procedure's code from the Database Explorer
34. Enhanced **SELECT... LISTOF(ColName)** function to support up to 10,000 characters
35. Improved Form Designer Tab Order settings window in tabular format
36. New **RESET** command to retain the date/time for tables and views when generating structure information with the UNLOAD command
37. Added support to edit a view in R:BASE Editor from the Database Explorer, where a tab opens in R:BASE Editor for any changes to be implemented by running the .vie command file
38. Enhanced results when searching for text in EEPs, object properties, and expressions, where the date and time stamp and version are displayed next to the object name

39. Enhanced R:Calculator plugin with history (persisted between sessions)
40. Enhanced **BROWSE** and **EDIT** commands with **EXCEPT** parameter support to specify columns that will not be included in the Data Browser
41. New "Open Table WHERE..." and "Open View WHERE..." options added to the Database Explorer group bar
42. Enhanced **GRANT** user privileges allowing CREATE privileges on TEMPORARY TABLES to be separate from CREATE privileges on permanent tables
43. Added Plugins button to the main toolbar
44. Enhanced WHERE Builder where **ARRANGE BY** parameters may be specified
45. Added Report Designer guidelines to assist users when placing/moving objects
46. The Print Preview window includes the "Report Outline" and "Find Text" buttons by default
47. Enhanced display of variable values within Form Designer property editors and other areas for variable based controls, to help differentiate between variables
48. New **CMDHIST** setting to control the "Update Command History"
49. Added display of slave tables when selecting to run a form or print a report/label from the main toolbar
50. Added support to directly edit stored procedure code from the Data Designer Triggers area
51. Enhanced **DEBUG** setting variable debugging feature where a warning will display if a variable declaration is executed when the variable already exists and the variable type changes
52. Enhanced Report/Label Designer Edit toolbar with the display of variable values within the variable list, to help differentiate between variables
53. Enhanced Form Designer right click context menu for actions/objects to include the underlying Custom EEP options
54. Added "Defaults" button for the R:BASE Startup Options
55. New **CVAL('DBCOMMENT')** function to retrieve the comments for a connected database
56. Added "On Form Activate" and "On Form Deactivate" EEPs, which fire when the form receives focus, and when focus is moved to another form
57. Enhanced **LIST** command which displays the last data modification date/time stamp, and the last schema modification date/time stamp, and comment for the connected database
58. Added right click menu option for when running a command file/EEP in Trace Debugger, to insert a highlighted command into R> Prompt Command History
59. Enhanced navigation in the Print Preview with zoom and scrolling with the mouse wheel; [Ctrl]+Wheel = Zoom in/out, [Ctrl]+[Shift]+Wheel = Scroll left/right within page
60. Added history for stored procedure searches
61. Added Split View form control property to alter the separator line color
62. Enhanced **LIST VIEWS** which shows the tables/views that are used in each view
63. Enhanced Favorite Commands selection of multiple commands, where the result is concatenated for execution as a group
64. Enhanced **DIALOG** and **PAUSE** commands where the WINDOWS icon image will vary based upon the operating system
65. Added display for the current INSERT/OVERWRITE status in the R:BASE status bar
66. New **TJOURNAL** setting to optionally generate a transaction processing journal file to track database changes associated with each COMMIT or ROLLBACK
67. Enhanced display for form Pop-up Menus where zebra stripes can be enabled
68. Enhanced **LIST** command which includes the number of views, stored procedures, forms, reports, and labels
69. New Data Designer menu options to create NOT Null Index definitions
70. New Enhanced DB Navigator "Image Style" sets (Flat Gray, Flat Blue, Cute, Office, and Infographic) for use with new operating systems
71. Enhanced **UNLOAD DATA** command to specify custom quote and delimiter character values for ASCII/CSV formats
72. Ability to review and edit the text attributes for the R:BASE Editor Syntax Scheme in use (based upon the cursor position), when the [F6] hot key is pressed
73. Additional "align text within borders" options added to the Report/Label Designer Format toolbar
74. Added ability to switch between Delphi or HTML RGB Hex notation for Custom Colors
75. Enhanced Data Designer default column value capabilities, where static and global variable can be used (value must be dotted) , which works well in combination with static variables
76. Added Hint Expressions to form List View and List Box controls to display a hint for the current mouse hovered row

77. Added Report/Label Designer encoding types (ASCII, C40, Text, X12, EDIFACT, Binary, ASCII Manual, Auto) for 2D Barcode Data Matrix labels
78. Enhanced File Gateway Export tab, where the Tables/Views combo box can be limited to tables, views, or both
79. Enhanced **PRINT... OPTION SCREEN** with additional parameters to disable the Find Text and Report Outline buttons, just like other enabled/disable buttons parameters
80. Enhanced table/view alignment with snap to grid in the Query Wizard
81. Enhanced **DEBUG** setting variable debugging feature where a warning will display if a variable declaration is executed when the variable already exists and the variable type changes
82. Added "On Form Move" EEP, which fires when the form is moved
83. New "Grow to Height" and "Grow to Width" Options for Report/Label Designer Size toolbar
84. Enhanced **CTXT** function to support capturing VARCHAR data to a TEXT string
85. Enhanced Find in Print Preview search with a "Whole Word" option to locate text that is contained within a whole word
86. Added application **PROPERTY** to alter Title casing behavior of hyphenated strings for form Edit/Memo controls
87. Added ability to assign an EEP or command file to a form Enhanced DB Navigator button
88. Added "Bring Forward" and "Send Backward" options to the Report/Label Designer Format toolbar and context menu
89. Added right click "Add to Code Templates" R:BASE Editor context menu for highlighted text, where a command, or command block, is easily added to the Code Templates utility
90. New display setting to show the Report/Label Designer margins with a custom color
91. Enhanced Report/Label Designer "Border" option to the Format toolbar (sides color, thickness, line style)
92. Enhanced form Bit Button and Push Button objects with Flat Face and Flat Shadow properties, for improved display in forms with backgrounds using darker colors
93. New "Column Balancing" setting added to the Report/Label Designer Page Setup > Layout tab, to minimize the number of rows displayed on the report
94. Added Database Explorer setting to toggle the display of tables/views for the Views area
95. Added ROWS\_PER\_FILE parameter for the **GATEWAY** exports where the records may be broken up into separate files based on the quantity of records in each file
96. New Report/Label Designer zoom capability with a slider object
97. Added Database Explorer support to edit a stored procedure declaration in R:BASE Editor, with the source in a .PRO file and the declaration to a .RMD file
98. New **CVAL('QUALKEYS')** function to return columns assigned as a QualKeys
99. Enhanced Find in Files utility supporting multiple folder searches (including multiple drive letters)
100. New "Add Variable Value to Command History" Trace Debugger menu option to add complex ampersand variable commands to R> Prompt Command History
101. New Report/Label Designer Gradient button on the Draw toolbar to define gradient coloring for shape objects
102. Added right click menu on the Form Designer Tab Order child items to filter the results by Read Only, Tab Stop, Enabled, and Component ID values
103. Added right click menu option for when running a command file/EEP in Trace Debugger, to insert a highlighted command into the R> Prompt Favorites
104. Enhanced drop trigger flexibility, to optionally drop a before trigger, or after trigger, separately
105. Added User Privileges GUI ability to allow **CREATE** privileges on TEMPORARY TABLES, separate from CREATE privileges on permanent tables
106. Enhanced Form Designer lasso frame for highlighting and selecting multiple objects easier
107. Enhanced Favorite Commands which interpret a double-click (equivalent to Run button), to efficiently run several commands in sequence
108. Added display of comments when running an external form from the main toolbar when no external form is selected
109. Enhanced **LIST** command to display QualKey columns
110. Improved ability to arrange tables/views with [Shift]+Drag functionality to move objects along 0, 90, 180, 270 degree drag paths in the Query Wizard
111. New Default Form Settings tab to assign the default panes for Status Bar controls
112. Enhanced R> Prompt console fonts, where the font name, style, and size are independent for the input console and output console

113. Added R:BASE Editor status bar pane showing the Syntax Scheme (R:BASE, Java, MS-DOS, etc.) in use
114. New **CVAL('QUALKEY TABLES')** function to return tables which contain a QualKey column
115. Added ability to sort the list of Query Wizard table/view objects
116. Added 2D Barcode Data Matrix label settings to specify the size of each module and rendered as square
117. Added R:BASE Editor right click "Add to R> Favorites" context menu for highlighted text, where a single command is easily added to the R> Prompt Favorite Commands utility
118. Enhanced **DIR** command to support sort ordering with ASC and DESC parameters
119. Added Clear Selection button in the top left corner of the Report/Label Designer rulers to deselect any object
120. Added ability to capture the Find in Files utility search results, where the file names can be copied, and also the file names, date/time modified value, and file size
121. Added [Ctrl+Page Down] and [Ctrl+Page Up] R> Prompt Command History key combinations to place the focus to the bottom or top of the list
122. Enhanced **SHOW VARIABLE** command which supports wildcard characters for the variable name, even when the =w parameter is present
123. Added Report/Label Designer File Delimiter options for "Print to Text File Setup" utility; SemiColon and Space
124. Added "Expand Selection" and "Shrink Selection" menu options to the Command Files group, where a custom file mask can be specified to include or limit what files are selected at Database Explorer
125. Enhanced Database Versions utility display with results matching the Hidden File and/or Hidden Folder criterion
126. Added right click menu on the Form Designer Tab Order listed items to allow quick editing of attributes or to show the property editor
127. Enhanced file launch capability within the R:BASE Editor Compare by Content utility by double clicking the file content
128. Added Favorite Commands right click option to copy the selected command to the clipboard
129. Enhanced Database Versions utility supporting multiple folder searches (including multiple drive letters)