R:BASE 11
for Windows

Feature Highlights

R:BASE 11 for Windows

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by R:BASE Technologies, Inc.

Welcome to R:BASE 11 for Windows!

R:BASE 11 is the new major release from R:BASE Technologies showcasing the latest advances for your databases and applications.

R:BASE 11 combines pure performance and high-tech features with a practical interface for users of all levels. R:BASE 11 users can achieve peak productivity to overachieve, outperform, and over-deliver on data management goals.

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. New 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 for temporary tables that are stored in memory, instead of a temporary file. In memory tables may be created with the **CREATE TABLE**, **INTERSECT**, **JOIN**, **PROJECT**, **SUBTRACT**, and **UNION** commands.
10. Added support to import OpenOffice spreadsheet (.ods) files
11. New **NULLSET** command to set variable values to NULL for individual variables, or a variable list
12. Print Preview includes an optional Report Outline for quickly referencing data in large reports
13. New **CVAL('LAST_MOD')** function to return the date and time stamp (text) for the last modification made to the database data
14. Enhanced Data Browser Update Query utility with a Query History to retain table queries
15. Redesigned Data Dictionary utility
16. Added "Save" button when searching for text in EEPs, object properties, and expressions, where each module may be saved individually
17. Enhanced RBTI_TIMEOUT variable functionality to execute a routine in the form of a command file, **RUN SELECT**, or **CALL** to a stored procedure when a TIMEOUT occurs
18. New **FISHER** statistical function to return the Fisher transformation
19. New Find in list Filter to search for items within the Database Explorer work space
20. Enhanced **INSERT** and **LOAD** commands with the ability to enable rebuilding of non-constraint indexes "after" rows are added, rather than row-by-row
21. New Value toolbar where a control's caption/text can be edited directly from the toolbar
22. New database comments
23. Added ability to roll back unwanted changes to variable definitions (one variable at a time) in the Expression Builder
24. Enhanced **PROJECT** command with **EXCEPT** parameter support to specify columns that will not be included in the projected table
25. Added multi-selection (click and drag lassoing) with group moving of tables/views in the Query Wizard
26. New **RANKAVG** statistical function to return the statistical rank of a given value
27. Increased size limit to 30,000 characters (was 10,000) for the **SELECT...LISTOF** function return value
28. 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
29. Enhanced Font dialog for designers, with font type preview and color customization
30. Added image support for the Advanced Rich Text control's Mail Merge feature in reports/labels
31. Enhanced column name search where a specific column may be filtered within a list, to quickly locate the column name
32. Enhanced **RBBEDIT** command to support editing BLOB data directly from a SELECT query
33. Support for local variables within MDI forms
34. New **PARSESEMI** setting which controls the parsing of semi colon characters in the processing of ampersand variables
35. Enhanced Color Editor dialog for background/foreground colors, object properties, and in other areas were a color may be selected
36. New **CVAL('LAST_SCHEMA_MOD')** function to return the date and time stamp (text) for the last modification made to the database schema

37. Added Data Dictionary incremental search when pressing the forward slash key [/] to display the Find dialog
38. Added "EEP Quick Edit" menu option for Forms, Reports, Labels, and External Forms where the object's EEPs may be reviewed and modified without having to open the object in the designer
39. Added support to export data to OpenOffice Text Document (.odt) files
40. Enhanced Existing tab of the Form Designer Object List toolbar to list the control hierarchy according to the tab order
41. New **NUMROUND** setting which rounds any excess scale digits for numeric data types
42. Added right click menu option to copy highlighted text while debugging code in the Trace Debugger
43. New **DBCONN** command which displays all applications (application, path, and file name) with connections to the connected database
44. Added nesting support for R:BASE Editor for Custom EEPs and actions allowing editing/browsing of other EEPs without leaving the current editor session
45. Added Database Explorer column for Views, listing the table/view source that each view is comprised of
46. Support to directly edit a stored procedure's code from the Database Explorer
47. Enhanced **SELECT... LISTOF(ColName)** function to support up to 10,000 characters
48. Improved Form Designer Tab Order settings window in tabular format
49. New **RESET** command to retain the date/time for tables and views when generating structure information with the UNLOAD command
50. Added notification icon to report/label bands to inform the user that code exists in the band
51. New **RANKEQ** statistical function to return the statistical rank of a given value
52. Enhanced **SELECT** command functions (MIN, MAX, LISTOF, etc.) will now use up to the first 2,000 characters (was 80) for each NOTE value
53. Enhanced **TINFO** function to specify a USER name for the first parameter to return those permissions
54. Added Data Designer "Find Column" search utility within the Columns area where a specific column may be located quickly in a large list of column names
55. New Find Panel in the Data Browser Tree Grid mode to provide fast record filtering
56. New ability to save/load an R:BASE Editor Session File (*.rbsf) where a list of command files are opened from a prior session
57. Enhanced Property Bar with an additional panel where the number of selected/highlighted objects is displayed
58. New **EXPLAIN** command which outputs the optimizer selections for the specified query
59. Added support to edit a view in R:BASE Editor from the Database Explorer, where a tab opens in the editor for changes to be implemented by running the .vie file
60. Enhanced password edit fields where an "eye" button is available to toggle between hidden and visible characters
61. Enhanced results when searching for text in EEPs, object properties, and expressions, where the date and time stamp and version are displayed
62. Enhanced R:Calculator plugin with history (persisted between sessions)
63. Enhanced selection highlighting in the Data Browser View as Grid mode where the entire row is highlighted
64. Enhanced **BROWSE** and **EDIT** commands with **EXCEPT** parameter support to specify columns that will not be included in the Data Browser
65. New "Open Table WHERE..." and "Open View WHERE..." options added to the Database Explorer group bar
66. Enhanced **GRANT** user privileges allowing CREATE privileges on TEMPORARY TABLES to be separate from CREATE privileges on permanent tables
67. Added Plugins button to the main toolbar
68. Enhanced WHERE Builder where **ARRANGE BY** parameters may be specified
69. Enhanced Startup Options to specify the window/tab order when R:BASE is launched
70. Added Report Designer guidelines to assist users when placing/moving objects
71. Added EXTRA_SHEETS parameter for the **GATEWAY** EXPORT XLSW option, which specifies whether blank sheets are included in the workbook
72. Enhanced PDF Annotation object to accept a variable in (.VariableName) format for the Title and Contents properties

73. Enhanced Data Dictionary where double click is supported to paste the table name, column name, etc. value
74. New Find Column in Table/View group bar options include a search utility to locate column names in tables and views
75. The Print Preview window includes the "Report Outline" and "Find Text" buttons by default
76. Enhanced display of variable values within Form Designer property editors and other areas for variable based controls, to help differentiate between variables
77. New **CMDHIST** setting to control the "Update Command History"
78. Added display of slave tables when selecting to run a form or print a report/label from the main toolbar
79. Added support to directly edit stored procedure code from the Data Designer Triggers area
80. Enhanced Tile Menu control's Action Bar with "Duplicate" and "Edit Custom EEP" buttons to easily reuse and modify Action Bar items
81. Enhanced Tab Order Settings with added Auto-Arrange buttons to arrange a group of controls based upon their coordinates
82. Added "Default Font" menu to the R:BASE Editor Display settings to assign a font type and size to all word types (comments, strings, numbers, identifiers, keywords)
83. New Report Designer "Prevent Orphans" breakpoint setting which specifies whether group headers/footers can print alone at the bottom/top of the page
84. 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
85. Enhanced Report/Label Designer Edit toolbar with the display of variable values within the variable list, to help differentiate between variables
86. Enhanced Form Designer right click context menu for actions/objects to include the underlying Custom EEP options
87. Added "Defaults" button for the R:BASE Startup Options
88. New **CVAL('DBCOMMENT')** function to retrieve the comments for a connected database
89. Added "On Form Activate" and "On Form Deactivate" EEPs, which fire when the form receives focus, and when focus is moved to another form
90. Enhanced **LIST** command which displays the last data modification date/time stamp, last schema modification date/time stamp, and comment for the database
91. Check box support implemented for the Tree View and DB Tree View form controls
92. 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
93. 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
94. Added "Unload ... Multi-file" menu option for Views, Stored Procedures, Forms, Reports, and Labels where several selected items are unloaded into separate files
95. Added history for stored procedure searches
96. Added "Remember Current Session" setting to restore a group of commands that were opened in the prior session
97. Added Soft Touch Objects setting where the Touch function will only update the date/time stamp of the form/report/label
98. Enhanced **LIST VIEWS** which shows the tables/views that are used in each view
99. Enhanced Favorite Commands selection of multiple commands, where the result is concatenated for execution as a group
100. Enhanced File List Box providing File Type options for attributes to include/exclude from the list box: Read Only, Hidden, System, Directory, Archive, Normal
101. Enhanced **DIALOG** and **PAUSE** commands where the WINDOWS icon image will vary based upon the operating system
102. Added "Show Check Box" setting to the Enhanced Group Box form control, which specifies if the group box content is enabled/disabled
103. Improved default tab logic for the BLOB Editor when launched with the **RBBEDIT** command
104. Added Query Builder/Wizard option to insert the continuation character (+) at the end of each line to easily recycle SQL code
105. Enhanced BLOB Editor where the file being edited is displayed in the title bar
106. Enhanced **SFIL** function which can fill a NOTE data type value to the maximum size limit of 10,000 characters (was 4,092)

107. New Opacity setting for PDF Annotation labels to specify the amount of visibility for the annotation
108. Added Report Designer right click context menu options to easily convert rich text objects to "advanced" rich text objects
109. Added display for the current INSERT/OVERWRITE status in the R:BASE status bar
110. New **TJOURNAL** setting to optionally generate a transaction processing journal file to track database changes associated with each COMMIT or ROLLBACK
111. Enhanced display for form Pop-up Menus where zebra stripes can be enabled
112. Added "Enforce MDI Mode" setting to specify that the Data Browser is opened in MDI mode by default
113. Enhanced **LIST** command which includes the number of views, stored procedures, forms, reports, and labels
114. New Data Designer menu options to create NOT Null Index definitions
115. New Enhanced DB Navigator "Image Style" sets (Flat Gray, Flat Blue, Cute, Office, and Infographic) for use with new operating systems
116. Added Scratch Pad utility [Ctrl+F11] support when reviewing the form, report, and label "Find in..." search results
117. Enhanced **UNLOAD DATA** command to specify custom quote and delimiter character values for ASCII/CSV formats
118. 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
119. Additional "align text within borders" options added to the Report/Label Designer Format toolbar
120. Added annotation types (Check, Checkmark, Circle, Cross, Cross Hairs, Right Arrow, Right Pointer, Star, Up Arrow, Up Left Arrow) to the PDF Annotation object
121. Added ability to switch between Delphi or HTML RGB Hex notation for Custom Colors
122. 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
123. Enhanced **AUTOCHK** command to check an index in descending order
124. Added Query Wizard field selection dialog, with filter, for tables with many columns (drag field to the table name)
125. Enhanced File List Box control to optionally include the file Size, Creation Time, Last Access Time, and Last Write Time values
126. Added Hint Expressions to form List View and List Box controls to display a hint for the current mouse hovered row
127. Added Report/Label Designer encoding types (ASCII, C40, Text, X12, EDIFACT, Binary, ASCII Manual, Auto) for 2D Barcode Data Matrix labels
128. Enhanced File Gateway Export tab, where the Tables/Views combo box can be limited to tables, views, or both
129. Enhanced Show Column and Hide Column dialogs with a filter field, to quickly locate column name
130. Enhanced **PRINT... OPTION SCREEN** with additional parameters to disable the Find Text and Report Outline buttons, just like other enabled/disable buttons parameters
131. Enhanced table/view alignment with snap to grid in the Query Wizard
132. 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
133. Added "On Form Move" EEP, which fires when the form is moved
134. New "Grow to Height" and "Grow to Width" Options for Report/Label Designer Size toolbar
135. Added "Copy Number" and "Copy Number Description" options to the report/label System Variable control, which appear on copies of the output
136. Added column-level SHOWEDITOR property to launch the BLOB Editor for a specific column within forms
137. Enhanced **CTXT** function to support capturing VARCHAR data to a TEXT string
138. Enhanced Find in Print Preview search with a "Whole Word" option to locate text that is contained within a whole word
139. Enhanced BLOB Editor to support the standard keyboard shortcut [Ctrl+Z] to undo a change

140. Added "Show Grid" property for the Enhanced Group Box form control to display a grid pattern on the box
141. Added application **PROPERTY** to alter Title casing behavior of hyphenated strings for form Edit/Memo controls
142. Enhanced DB Tree List control with additional properties for selecting a specific node
143. Added ability to assign an EEP or command file to a form Enhanced DB Navigator button
144. Added "Bring Forward" and "Send Backward" options to the Report/Label Designer Format toolbar and context menu
145. 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
146. New display setting to show the Report/Label Designer margins with a custom color
147. Added "Create INMEMORY Table" GATEWAY Import option to create a temporary in-memory table
148. Enhanced Report/Label Designer "Border" option to the Format toolbar (sides color, thickness, line style)
149. Enhanced DB Tree Grid properties to toggle what buttons may be displayed on the Navigator, including whether to display the button hints
150. 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
151. Enhanced Form/Report/Label conversion dialogs with an improved user interface added table name and comment
152. New "Column Balancing" setting added to the Report/Label Designer Page Setup > Layout tab, to minimize the number of rows displayed on the report
153. Added Database Explorer setting to toggle the display of tables/views for the Views area
154. 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
155. New Report/Label Designer zoom capability with a slider object
156. 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
157. New **CVAL('QUALKEYS')** function to return columns assigned as a QualKeys
158. Enhanced Find in Files utility supporting multiple folder searches (including multiple drive letters)
159. New "Add Variable Value to Command History" Trace Debugger menu option to add complex ampersand variable commands to R> Prompt Command History
160. New Report/Label Designer Gradient button on the Draw toolbar to define gradient coloring for shape objects
161. 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
162. Enhanced Trace Debugger Live Variable list sorting with ability to toggle the dynamic list in ascending, descending, and most-recent order
163. 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
164. Enhanced drop trigger flexibility, to optionally drop a before trigger, or after trigger, separately
165. Added User Privileges GUI ability to allow **CREATE** privileges on TEMPORARY TABLES, separate from CREATE privileges on permanent tables
166. Enhanced Form Designer lasso frame for highlighting and selecting multiple objects easier
167. Added Split View form control property to alter the separator line color
168. Enhanced Favorite Commands which interpret a double-click (equivalent to Run button), to efficiently run several commands in sequence
169. Added display of comments when running an external form from the main toolbar when no external form is selected
170. Enhanced **LIST** command to display QualKey columns
171. 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
172. New Default Form Settings tab to assign the default panes for Status Bar controls
173. Enhanced R> Prompt console fonts, where the font name, style, and size are independent for the input console and output console
174. Added progress dialog for the table save process in the Data Designer to keep the user informed

175. Added R:BASE Editor status bar pane showing the Syntax Scheme (R:BASE, Java, MS-DOS, etc.) in use
176. New **CVAL('QUALKEY TABLES')** function to return tables which contain a QualKey column
177. Added ability to sort the list of Query Wizard table/view objects
178. Added 2D Barcode Data Matrix label settings to specify the size of each module and rendered as square
179. Added "In-memory Table" Data Designer option to saves the table as a temporary in-memory table
180. 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
181. Enhanced **DIR** command to support sort ordering with ASC and DESC parameters
182. Added support for the classic report/label Print Preview, where output is located at the top left corner of the screen
183. Added Clear Selection button in the top left corner of the Report/Label Designer rulers to deselect any object
184. 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
185. 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
186. Enhanced **SHOW VARIABLE** command which supports wildcard characters for the variable name, even when the =w parameter is present
187. Added Report/Label Designer File Delimiter options for "Print to Text File Setup" utility; SemiColon and Space
188. 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 Database Explorer file selections
189. Enhanced Database Versions utility display with results matching the Hidden File and/or Hidden Folder criterion
190. Added right click menu on the Form Designer Tab Order listed items to allow quick editing of attributes or to show the property editor
191. Added BLOB Editor option to the "Tools" main menu bar drop-down
192. Enhanced file launch capability within the R:BASE Editor Compare by Content utility by double clicking the file content
193. Added sorted column background color within the Data Dictionary, to match the logic in the Database Explorer
194. Added Favorite Commands right click option to copy the selected command to the clipboard
195. Enhanced Database Versions utility supporting multiple folder searches (including multiple drive letters)