New features and customer reported issues fixed in RAD Studio 12.1

RAD Studio™ is the ultimate RAD environment for quickly building high-performance native cross-platform applications in Delphi and modern C++ using integrated toolchains loved by developers.

> ### Note:
>
>   - *New features and customer reported issues fixed in RAD Studio 12.0*

RAD Studio 12.1 has a strong focus on quality improvements. Key quality focus areas include:

  - C++ Clang Toolchain
  - Split Editor
  - IDE
  - Debugger
  - Android Target API level 34
  - VCL
  - VA
  - Delphi Compiler
  - Other Libraries

Please visit the 12 Athens - Release 1 page for a detailed list of new features.

Publicly reported bugs fixed in 12.1

RAD Studio 12.1 Athens release includes over 400 quality and performance enhancements for publicly reported bugs.

Summary	Components	ExternalID
32 bit Lib fails building ("mtbcc32" exited with code 1) with 11.3 (worked fine with 11.0)	3rd Party	RSP-42213 (https://quality.embarcadero.com/browse/RSP-42213)
bcc64 compilation not emmitting any warnings	Compiler, Compiler\C++	RSP-43564 (https://quality.embarcadero.com/browse/RSP-43564)
__MT__ define not set when using -tWM	Compiler, Compiler\C++	RSP-42803 (https://quality.embarcadero.com/browse/RSP-42803)
bcc64x lacks -q compiler option	Compiler, Compiler\C++	RSP-43024 (https://quality.embarcadero.com/browse/RSP-43024)
[REGRESSION] Wrong codegen when accessing record fields from aliased generic type	Compiler, Compiler\Delphi	RSP-44299 (https://quality.embarcadero.com/browse/RSP-44299)
Bug in MOD operation for Win64 Release configuration	Compiler, Compiler\Delphi	RSP-44063 (https://quality.embarcadero.com/browse/RSP-44063)
[REGRESSION] Wrong codegen when passing empty open array to operator overload	Compiler, Compiler\Delphi	RSP-43656 (https://quality.embarcadero.com/browse/RSP-43656)
F2084 Internal Error: AV00000000(61060000)-W00000000-8	Compiler, Compiler\Delphi	RSP-43435 (https://quality.embarcadero.com/browse/RSP-43435)
Wrong Delphi code optimization for integer div/mod	Compiler, Compiler\Delphi	RSP-43418 (https://quality.embarcadero.com/browse/RSP-43418)
Access violation occurs when assigning Default(T) to Custom managed record	Compiler, Compiler\Delphi	RSP-43409 (https://quality.embarcadero.com/browse/RSP-43409)
Arithmetic operations on record fields return incorrect results in certain cases if the "Optimization" compiler option is enabled	Compiler, Compiler\Delphi	RSP-43274 (https://quality.embarcadero.com/browse/RSP-43274)
Internal compiler error F2084	Compiler, Compiler\Delphi	RSP-43007 (https://quality.embarcadero.com/browse/RSP-43007)
Memory leak when returining interface from inlined method	Compiler, Compiler\Delphi	RSP-42907 (https://quality.embarcadero.com/browse/RSP-42907)
Combination of code breaks debugging of the whole project. Again. (x64 only)	Compiler, Compiler\Delphi, Debugger	RSP-43535 (https://quality.embarcadero.com/browse/RSP-43535)

DBGrid displays an extra row that is not data-bound.	Data	RSP-41718 (http s://quality.embarca dero.com/browse/ RSP-41718)
TField of type ftFMTBcd. EbcdException when DecimalSeparator changed	Data, Data\ADO	RSP-42120 (http s://quality.embarca dero.com/browse/ RSP-42120)
SQL command parsing in ADODB.pas	Data, Data\ADO	RSP-41503 (http s://quality.embarca dero.com/browse/ RSP-41503)
TDBNavigator is disable when we compile a project in Delphi 12 which was created in Delphi 11.2	Data, Data\DBCtrls	RSP-44036 (http s://quality.embarca dero.com/browse/ RSP-44036)
TDBNavigator fails to enable after disable.	Data, Data\DBCtrls	RSP-44017 (http s://quality.embarca dero.com/browse/ RSP-44017)
Regression: Vcl.DBCtrls - TCustomDBLookupComboBox.WMKillFocus no longer call CloseUp	Data, Data\DBCtrls	RSP-44001 (http s://quality.embarca dero.com/browse/ RSP-44001)
PopUpMenu not visible in a DBRichEdit	Data, Data\DBCtrls	RSP-43508 (http s://quality.embarca dero.com/browse/ RSP-43508)
TDBNavigator: edit or extend default hints	Data, Data\DBCtrls	RSP-43337 (http s://quality.embarca dero.com/browse/ RSP-43337)
OnValidate Fails to update NewValue when there is more than one record	Data, Data\DBRtl	RSP-44081 (http s://quality.embarca dero.com/browse/ RSP-44081)
Blob reading is broken for 64-bit platforms in dbExpress	Data, Data\DBX	RSP-43326 (http s://quality.embarca dero.com/browse/ RSP-43326)
FireDac ConnectionDefs are not fully Thread Safe	Data, Data\FireDAC	RSP-44235 (http s://quality.embarca dero.com/browse/ RSP-44235)
Regression/error in TFDPhysCommandGenerator.GenerateCreateTable	Data, Data\FireDAC	RSP-44247 (http s://quality.embarca dero.com/browse/ RSP-44247)
Using ftAutoInc leads to exception with Firebird and Interbase during table creation (VCL)	Data, Data\FireDAC	RSP-43927 (http s://quality.embarca dero.com/browse/ RSP-43927)
D12 Firedac - Error with filter property with TFDTABLE or TFDQUERY	Data, Data\FireDAC	RSP-43527 (http s://quality.embarca dero.com/browse/ RSP-43527)
TFDQBE causes an exception with TFDTable	Data, Data\FireDAC	RSP-43457 (http s://quality.embarca

		dero.com/browse/ RSP-43457)
TSQLTimeStampOffset problems with Firebird 4	Data, Data\FireDAC	RSP-43311 (http s://quality.embarca dero.com/browse/ RSP-43311)
FiredDAC Connection editor - Data Mapping rules	Data, Data\FireDAC	RSP-43251 (http s://quality.embarca dero.com/browse/ RSP-43251)
FireDAC Connection editor	Data, Data\FireDAC	RSP-43247 (http s://quality.embarca dero.com/browse/ RSP-43247)
TFDTable with SQLite and filtering with upper or lower	Data, Data\FireDAC	RSP-43018 (http s://quality.embarca dero.com/browse/ RSP-43018)
SavePoint / RestorePoint fail with a cloned TFDMemTable	Data, Data\FireDAC	RSP-42423 (http s://quality.embarca dero.com/browse/ RSP-42423)
TFDScript - comment after command	Data, Data\FireDAC	RSP-41512 (http s://quality.embarca dero.com/browse/ RSP-41512)
ClientDataSet removes decimal values (the value after the decimal point) when retrieving the value of numeric fields from PostgreSQL	Data, Data\FireDAC, Data\MIDAS	RSP-43379 (http s://quality.embarca dero.com/browse/ RSP-43379)
Editing tIBDataSet.SelectSQL - add shortcut key to OK, add "Code Editor..." button	Data, Data\IBX	RSP-20211 (http s://quality.embarca dero.com/browse/ RSP-20211)
Object Serilization generate AV	Data, Data\REST	RSP-43659 (http s://quality.embarca dero.com/browse/ RSP-43659)
JSON serialization of typed object fails	Data, Data\REST	RSP-43488 (http s://quality.embarca dero.com/browse/ RSP-43488)
TRESTRequest Resource-Parameters get encoded twice	Data, Data\REST	RSP-43450 (http s://quality.embarca dero.com/browse/ RSP-43450)
Regression: TRestRequest.AddParameter double escapes '%' in Query parameters	Data, Data\REST	RSP-43047 (http s://quality.embarca dero.com/browse/ RSP-43047)
TMultipartContentParser treats every part with ContentType as File	Data, Data\REST	RSP-39623 (http s://quality.embarca dero.com/browse/ RSP-39623)
FMX.Listview and FDmemTable : Deleting records	Data, FireMonkey	RSP-43892 (http s://quality.embarca dero.com/browse/ RSP-43892)

Event OnValidate fails when the dbgrid is full - AGAIN!	Data, IDE, VCL	RSP-43494 (http s://quality.embarca dero.com/browse/ RSP-43494)
Officially support Firebird 5.0 in FireDAC	Data\FireDAC	RSP-44284 (http s://quality.embarca dero.com/browse/ RSP-44284)
Ability to change username of RAD Server users	Data\RADServer	RSP-41163 (http s://quality.embarca dero.com/browse/ RSP-41163)
The 64 bit debugger incorrectly evaluates open arrays	Debugger	RSP-43445 (http s://quality.embarca dero.com/browse/ RSP-43445)
Debug visualizer for TArray<string> shows garbage	Debugger	RSP-41549 (http s://quality.embarca dero.com/browse/ RSP-41549)
11.2: Please ship debug visualizers for generic and template types (STL for C++)	Debugger	RSP-39561 (http s://quality.embarca dero.com/browse/ RSP-39561)
Run debugger does not work if FinalOutputDir contains $(MSBuildProjectName)	Debugger	RSP-38952 (http s://quality.embarca dero.com/browse/ RSP-38952)
Accept $(SanitizedProjectName) in EXE path when debugging	Debugger, IDE	RSP-40475 (http s://quality.embarca dero.com/browse/ RSP-40475)
bluetooth_connect permission error Android 13	Demos	RSP-40501 (http s://quality.embarca dero.com/browse/ RSP-40501)
[12.0 Regression] No event OnCameraDidFinishTaking for TTakePhotoFromCameraAction	Demos, FireMonkey, FireMonkey\Runtime	RSP-43515 (http s://quality.embarca dero.com/browse/ RSP-43515)
Canvas.Clear problem on OSX when Canvas.Offset is set	FireMonkey	RSP-44114 (http s://quality.embarca dero.com/browse/ RSP-44114)
TEdit font size not work in style on Android	FireMonkey	RSP-44085 (http s://quality.embarca dero.com/browse/ RSP-44085)
Bug in FMX ListBox	FireMonkey	RSP-44067 (http s://quality.embarca dero.com/browse/ RSP-44067)
Android TEdit Focus: Java.lang.indexOutofBoundsException	FireMonkey	RSP-43943 (http s://quality.embarca dero.com/browse/ RSP-43943)
ClipParent property of a parent control can prevent caret from showing in TEdit	FireMonkey	RSP-43901 (http s://quality.embarca

		dero.com/browse/ RSP-43901)
Regression: Tab Transition Displays wrong after transition	FireMonkey	RSP-43591 (http s://quality.embarca dero.com/browse/ RSP-43591)
TEdit text is not correctly displayed when placed in a Scrollbox.	FireMonkey	RSP-43588 (http s://quality.embarca dero.com/browse/ RSP-43588)
FMX TAction.SecondaryShortCuts have no effect	FireMonkey	RSP-43587 (http s://quality.embarca dero.com/browse/ RSP-43587)
Change in default TStringGrid cell selection	FireMonkey	RSP-43534 (http s://quality.embarca dero.com/browse/ RSP-43534)
Regression: On Mac systems, scaling on Sonoma is returning 1, and ignoring the system scaling	FireMonkey	RSP-43471 (http s://quality.embarca dero.com/browse/ RSP-43471)
Wrong color for glyph in BindNavigator	FireMonkey	RSP-43475 (http s://quality.embarca dero.com/browse/ RSP-43475)
TEdit.FilterChar crash app on Android	FireMonkey	RSP-43459 (http s://quality.embarca dero.com/browse/ RSP-43459)
change firemonkey form.fullScreen to raise exception	FireMonkey	RSP-43400 (http s://quality.embarca dero.com/browse/ RSP-43400)
Crash in FMX UpdateStyleBook on program termination	FireMonkey	RSP-43397 (http s://quality.embarca dero.com/browse/ RSP-43397)
using arrow keys to navigate tabs brings exception	FireMonkey	RSP-43385 (http s://quality.embarca dero.com/browse/ RSP-43385)
Delphi 12 Android TEdit error	FireMonkey	RSP-43383 (http s://quality.embarca dero.com/browse/ RSP-43383)
macOS "Close" calls "OnCloseForm" twice	FireMonkey	RSP-43372 (http s://quality.embarca dero.com/browse/ RSP-43372)
Skia does not seem to respect WordWrap (false) for autosized TText	FireMonkey	RSP-43371 (http s://quality.embarca dero.com/browse/ RSP-43371)
InputQuery with multiple values on windows not displayed correct	FireMonkey	RSP-43370 (http s://quality.embarca dero.com/browse/ RSP-43370)

[iOS] TListView set searchvisible to True, the system will crash when clicking into the search area.	FireMonkey	RSP-43362 (http s://quality.embarca dero.com/browse/ RSP-43362)
iOS: Tap method is never called	FireMonkey	RSP-43325 (http s://quality.embarca dero.com/browse/ RSP-43325)
Incorrect ShortCut in TActionList	FireMonkey	RSP-43318 (http s://quality.embarca dero.com/browse/ RSP-43318)
"TCommonCustomForm.KeyDown" does not set reference parameters "Key" and "KeyChar" to 0 and #0 if the result of "DispatchDialogKey" is "true"	FireMonkey	RSP-43313 (http s://quality.embarca dero.com/browse/ RSP-43313)
TScrollBox without ContentLayout has incorrect clip rect	FireMonkey	RSP-43308 (http s://quality.embarca dero.com/browse/ RSP-43308)
Small bug in positioning TEdit selection handles	FireMonkey	RSP-43301 (http s://quality.embarca dero.com/browse/ RSP-43301)
Crash on exit when using loupe service on Android	FireMonkey	RSP-43300 (http s://quality.embarca dero.com/browse/ RSP-43300)
TFlowLayout exception when all its elements are set to invisible	FireMonkey	RSP-43299 (http s://quality.embarca dero.com/browse/ RSP-43299)
TreeView crash	FireMonkey	RSP-42682 (http s://quality.embarca dero.com/browse/ RSP-42682)
Major bug in FMX.ActnList.TCustomAction.IsDialogKey.IsSameShortCut	FireMonkey	RSP-42550 (http s://quality.embarca dero.com/browse/ RSP-42550)
TFlowLayout Center Justification Broke	FireMonkey	RSP-42862 (http s://quality.embarca dero.com/browse/ RSP-42862)
TTreeview crashes when scrolling in iOS	FireMonkey	RSP-42657 (http s://quality.embarca dero.com/browse/ RSP-42657)
The size of the Runtime FireMonkey Form is different from the size in Designtime.	FireMonkey	RSP-42885 (http s://quality.embarca dero.com/browse/ RSP-42885)
Regression: Grid Beep problem when tabbing between columns	FireMonkey	RSP-42992 (http s://quality.embarca dero.com/browse/ RSP-42992)
FMX TListBox List Index Out OF Bounds	FireMonkey	RSP-42860 (http s://quality.embarca

		dero.com/browse/ RSP-42860)
TRectAnimation does not calculate StartRect value at StartFromCurrent	FireMonkey	RSP-42408 (http s://quality.embarca dero.com/browse/ RSP-42408)
TListBox Sort behaves strangely	FireMonkey	RSP-42319 (http s://quality.embarca dero.com/browse/ RSP-42319)
Unnecessary FreeAndNil on local variable in FMX.Ani	FireMonkey	RSP-42902 (http s://quality.embarca dero.com/browse/ RSP-42902)
Superfluous code in TAnimationDestroyer.DoAniFinished	FireMonkey	RSP-43086 (http s://quality.embarca dero.com/browse/ RSP-43086)
Visual Binding get's Update command after OnClick Event	FireMonkey	RSP-42074 (http s://quality.embarca dero.com/browse/ RSP-42074)
FMX printing of textfile is internally broken in PrnOpen	FireMonkey	RSP-41883 (http s://quality.embarca dero.com/browse/ RSP-41883)
IOS TEdit & Password = True dont use FMX.Platform.iOS.pas -> setAutocapitalizationType	FireMonkey	RSP-40631 (http s://quality.embarca dero.com/browse/ RSP-40631)
FMX Bitmap fails loading with WIC (JPEG XR format)	FireMonkey	RSP-39598 (http s://quality.embarca dero.com/browse/ RSP-39598)
TDialogService.ShowMessage() not blocking in TDialogService.InputQuery() callback on Windows	FireMonkey	RSP-32429 (http s://quality.embarca dero.com/browse/ RSP-32429)
Resizing Firemonkey TListView removes custom added TListViewItem at runtime	FireMonkey	RSP-24668 (http s://quality.embarca dero.com/browse/ RSP-24668)
Block the use of the Hardware Back Button in FMX Android	FireMonkey, FireMonkey\Actions, FireMonkey\Runtime	RSP-44238 (http s://quality.embarca dero.com/browse/ RSP-44238)
Segmentation fault in "TAndroidPhoneDialerService.Stop" when closing the app	FireMonkey, FireMonkey\Runtime	RSP-43707 (http s://quality.embarca dero.com/browse/ RSP-43707)
TMemo component control type changing problem	FireMonkey, IDE	RSP-44113 (http s://quality.embarca dero.com/browse/ RSP-44113)
Property of TLabel TextSettings.Trimming=Character cannot be saved.	FireMonkey, IDE	RSP-43374 (http s://quality.embarca dero.com/browse/ RSP-43374)

"generer un nouveau style personnalisé" button does nothing	FireMonkey, IDE	RSP-39455 (https://quality.embarcadero.com/browse/RSP-39455)
missing UNNotificationPresentationOptionList / UNNotificationPresentationOptionBanner in iOSapi.UserNotifications	FireMonkey, RTL, RTL\Delphi	RSP-43500 (https://quality.embarcadero.com/browse/RSP-43500)
Erro Value NumberBox no OnExit	FireMonkey, RTL, RTL\Delphi, VCL	RSP-43951 (https://quality.embarcadero.com/browse/RSP-43951)
Support Android API Level 34	FireMonkey\Runtime, IDE\Build System, Install\GetIt	RSP-42477 (https://quality.embarcadero.com/browse/RSP-42477)
Fix a short link redirection to arcade game post from GitHub repository	Help and Doc	RSP-41769 (https://quality.embarcadero.com/browse/RSP-41769)
Code completion prevents intended typing	IDE	RSP-44318 (https://quality.embarcadero.com/browse/RSP-44318)
Collection Editor does not react to IDE Theme changes	IDE	RSP-43971 (https://quality.embarcadero.com/browse/RSP-43971)
SVG can NOT be added as a resource	IDE	RSP-43958 (https://quality.embarcadero.com/browse/RSP-43958)
Issue with TURI.Query Changed adding an equal sign to the URL ends with ?WSDL	IDE	RSP-43568 (https://quality.embarcadero.com/browse/RSP-43568)
Save desktop saves the position of the second edit window wrongly	IDE	RSP-43433 (https://quality.embarcadero.com/browse/RSP-43433)
RAD Studio splash screen with trial components	IDE	RSP-43429 (https://quality.embarcadero.com/browse/RSP-43429)
VA stops showing members, sometimes	IDE	RSP-43416 (https://quality.embarcadero.com/browse/RSP-43416)
Floating tool docks do not allow "mosaic" panels and make invisible panels	IDE	RSP-43394 (https://quality.embarcadero.com/browse/RSP-43394)
Docked floating panel becomes invisible	IDE	RSP-43376 (https://quality.embarcadero.com/browse/RSP-43376)
Impossible to type new code inside nested type in an inherited frame	IDE	RSP-43360 (http s://quality.embarca

		dero.com/browse/ RSP-43360)
The multi-line string editor has a less than ideal keyboard interface	IDE	RSP-43282 (http s://quality.embarca dero.com/browse/ RSP-43282)
New Edit WIndow changes position on any change of Layout	IDE	RSP-43276 (http s://quality.embarca dero.com/browse/ RSP-43276)
HTTP Requests Do Not Work	IDE	RSP-43265 (http s://quality.embarca dero.com/browse/ RSP-43265)
Structure view and Search for a method box no longer populated	IDE	RSP-43235 (http s://quality.embarca dero.com/browse/ RSP-43235)
[Regression] - IDE TitleBar content misaligned in maximized state	IDE	RSP-42951 (http s://quality.embarca dero.com/browse/ RSP-42951)
VA is showing members of non existence objects	IDE	RSP-42856 (http s://quality.embarca dero.com/browse/ RSP-42856)
Pressing escape switches to another application	IDE	RSP-42755 (http s://quality.embarca dero.com/browse/ RSP-42755)
Toolbars are broken after High DPI	IDE	RSP-42835 (http s://quality.embarca dero.com/browse/ RSP-42835)
VA LSP don't work for C++ third party libraries	IDE	RSP-42972 (http s://quality.embarca dero.com/browse/ RSP-42972)
Ctrl-j - invoke template don't work	IDE	RSP-42692 (http s://quality.embarca dero.com/browse/ RSP-42692)
C++ Builder - VA looks confusing	IDE	RSP-43150 (http s://quality.embarca dero.com/browse/ RSP-43150)
Quick Button Configuration Dialog displayed in fixed position	IDE	RSP-42897 (http s://quality.embarca dero.com/browse/ RSP-42897)
Code Completion/LSP Failed on interface property	IDE	RSP-42396 (http s://quality.embarca dero.com/browse/ RSP-42396)
AV in RTL280 when opening a project	IDE	RSP-42348 (http s://quality.embarca dero.com/browse/ RSP-42348)

C++ Builder VA - Cannot see property type for most properties	IDE	RSP-42843 (http s://quality.embarca dero.com/browse/ RSP-42843)
set delphi libary path issue	IDE	RSP-42094 (http s://quality.embarca dero.com/browse/ RSP-42094)
After Adding Library Path, Delphi loses focus	IDE	RSP-41324 (http s://quality.embarca dero.com/browse/ RSP-41324)
Editing Compiler Options Hides Rad Studio	IDE	RSP-41316 (http s://quality.embarca dero.com/browse/ RSP-41316)
Markdown preview reports error when referencing images	IDE	RSP-41270 (http s://quality.embarca dero.com/browse/ RSP-41270)
Object inspector shows duplicated name entries	IDE	RSP-40739 (http s://quality.embarca dero.com/browse/ RSP-40739)
Incorrect "XML Data Binding"	IDE	RSP-40386 (http s://quality.embarca dero.com/browse/ RSP-40386)
TwineCompile communication with RAD Studio IDE is super slow	IDE	RSP-40053 (http s://quality.embarca dero.com/browse/ RSP-40053)
StyleLookup icons covnerted to Label in the IDE interface	IDE	RSP-39923 (http s://quality.embarca dero.com/browse/ RSP-39923)
Searching for expressions	IDE	RSP-39819 (http s://quality.embarca dero.com/browse/ RSP-39819)
Split the code editor, one unit on the left, another on the right	IDE	RSP-39758 (http s://quality.embarca dero.com/browse/ RSP-39758)
$(SanitizedProjectName) doesn't work from Base configration	IDE	RSP-39731 (http s://quality.embarca dero.com/browse/ RSP-39731)
Slightly strange hint on inactive code blocks	IDE	RSP-39406 (http s://quality.embarca dero.com/browse/ RSP-39406)
GUI bug on setting/removing breakpoints with mouse	IDE	RSP-38906 (http s://quality.embarca dero.com/browse/ RSP-38906)
IDE desktop work area becomes smaller and smaller while toolbar header taller yet blank	IDE	RSP-39104 (http s://quality.embarca

		dero.com/browse/ RSP-39104)
"Invalid class typecast" error is received after moving the mouse cursor over client area of an undocked Component Palette. [Component Toolbar]	IDE	RSP-38617 (http s://quality.embarca dero.com/browse/ RSP-38617)
RAD Studio toolbar menu spacings are strange in all layouts and DPI aware/unaware	IDE	RSP-39305 (http s://quality.embarca dero.com/browse/ RSP-39305)
Change Mouse cursor to crHourGlass while switching platforms	IDE	RSP-38474 (http s://quality.embarca dero.com/browse/ RSP-38474)
IDE Save Button does not reflect state	IDE	RSP-38001 (http s://quality.embarca dero.com/browse/ RSP-38001)
Window header resizing issues	IDE	RSP-37219 (http s://quality.embarca dero.com/browse/ RSP-37219)
[IDE MSBuild] - Some MSBuild variables are not consistently expanded inside IDE	IDE	RSP-37401 (http s://quality.embarca dero.com/browse/ RSP-37401)
MS-Windows auto split screen on hover over maximize button not appear - works in BCB2007	IDE	RSP-36759 (http s://quality.embarca dero.com/browse/ RSP-36759)
REST Debugger can't copy values from table cells	IDE	RSP-36257 (http s://quality.embarca dero.com/browse/ RSP-36257)
Improve New Edit Window usability	IDE	RSP-35934 (http s://quality.embarca dero.com/browse/ RSP-35934)
[dccosxarm64 Hint] H2596 ld: warning: directory not found for option '-LC:\Users\Mike the Coder God\Documents\Embarcadero\Studio\22.0\Imports'	IDE	RSP-35083 (http s://quality.embarca dero.com/browse/ RSP-35083)
View->Edit New Window hangs	IDE	RSP-35082 (http s://quality.embarca dero.com/browse/ RSP-35082)
Display ErrorInsight error message on exclamation mark icon in the gutter	IDE	RSP-35257 (http s://quality.embarca dero.com/browse/ RSP-35257)
Object inspector - hint does not show whole text	IDE	RSP-33350 (http s://quality.embarca dero.com/browse/ RSP-33350)
Component pallette raises "invalid class typecast" on undocking	IDE	RSP-33200 (http s://quality.embarca dero.com/browse/ RSP-33200)

[IDE UX Enhancement] - Enable docking of the new editor window	IDE	RSP-32730 (https://quality.embarcadero.com/browse/RSP-32730)
delete text icon has wrong style when search field has the focus on getit dialog box	IDE	RSP-32686 (https://quality.embarcadero.com/browse/RSP-32686)
New Edit Window - update	IDE	RSP-32687 (https://quality.embarcadero.com/browse/RSP-32687)
auto completion add "end" after parenthesis for anonymous methods	IDE	RSP-32667 (https://quality.embarcadero.com/browse/RSP-32667)
Copy/Paste in Component Palette	IDE	RSP-31105 (https://quality.embarcadero.com/browse/RSP-31105)
Code Insight (Option Auto invoke) fail (LSP)	IDE	RSP-29827 (https://quality.embarcadero.com/browse/RSP-29827)
RAD Studio changes focus to another app after dismissing File New Dialog	IDE	RSP-28532 (https://quality.embarcadero.com/browse/RSP-28532)
IDE Zen-mode layout	IDE	RSP-21408 (https://quality.embarcadero.com/browse/RSP-21408)
The IDE brings another window in front when a modal IDE dialog is closed	IDE	RSP-22150 (https://quality.embarcadero.com/browse/RSP-22150)
Splash screen just grows until it goes off the screen.	IDE	RSP-11309 (https://quality.embarcadero.com/browse/RSP-11309)
H2596 ld: warning: directory not found for option '-L	IDE, IDE\Build System	RSP-32812 (https://quality.embarcadero.com/browse/RSP-32812)
For android compilation, need to use aapt2 instead of aapt	IDE, IDE\Build System	RSP-27606 (https://quality.embarcadero.com/browse/RSP-27606)
Disabling Enable Structural Highlighting should disable Highlight single-line blocks checkbox too	IDE, IDE\Castalia	RSP-14579 (https://quality.embarcadero.com/browse/RSP-14579)
[class completion] WinAPI calling convention not recognized by IDE	IDE, IDE\Code Editor	RSP-31841 (https://quality.embarcadero.com/browse/RSP-31841)
Bug or new Feature code completition in C++ Builder with VCL Form	IDE, IDE\Code Insight	RSP-43015 (https://quality.embarca

		dero.com/browse/ RSP-43015)
Ctrl+Shift+Up/Down cursor positions	IDE, IDE\Code Insight	RSP-33156 (https://quality.embarcadero.com/browse/RSP-33156)
Lib suffix $(Auto) doesn't work with TwineCompile	IDE, Linker	RSP-42045 (https://quality.embarcadero.com/browse/RSP-42045)
JSON Data Binding Wizard mistakenly converts string to integer	IDE, RTL, RTL\Delphi	RSP-43366 (https://quality.embarcadero.com/browse/RSP-43366)
Bug in TActionBarAccessibility.accHitTest	IDE, VCL	RSP-31852 (https://quality.embarcadero.com/browse/RSP-31852)
Pro edition installer offers Linux but doesn't install it	Install	RSP-43230 (https://quality.embarcadero.com/browse/RSP-43230)
During Installation Console Window opened with message missing *.pas	Install	RSP-43093 (https://quality.embarcadero.com/browse/RSP-43093)
INC files in source folders are not read-only	Install	RSP-39368 (https://quality.embarcadero.com/browse/RSP-39368)
Try to add a target platform macOS fails	Install	RSP-33150 (https://quality.embarcadero.com/browse/RSP-33150)
Uninstall / Install using Tools => Manage Platforms doesnt work	Install\GetIt	RSP-42919 (https://quality.embarcadero.com/browse/RSP-42919)
KSVC: TRzCheckBox bottom/right anchor problem with monitor DPI change and autosize	Konopka, VCL	RSP-40058 (https://quality.embarcadero.com/browse/RSP-40058)
Hint after compilation an empty project for macOS 64-bit or macOS ARM 64-bit	Linker	RSP-42840 (https://quality.embarcadero.com/browse/RSP-42840)
TImage->Picture->LoadFromStream from resource and svg graphic don't work/crashes with need to restart radstudio	RTL, RTL\C++	RSP-43619 (https://quality.embarcadero.com/browse/RSP-43619)
STL missing method	RTL, RTL\C++	RSP-43479 (https://quality.embarcadero.com/browse/RSP-43479)
Broken implementation of std::disjunction.	RTL, RTL\C++	RSP-40265 (https://quality.embarcadero.com/browse/RSP-40265)

Problem using readdir/opendir with bcc64	RTL, RTL\C++	RSP-39873 (https://quality.embarcadero.com/browse/RSP-39873)
Introduced bug into System.DateUtils.DecodeISO8601Date()	RTL, RTL\Delphi	RSP-44270 (https://quality.embarcadero.com/browse/RSP-44270)
FreeLibrary result on Linux is inverted, it reports false when should be true	RTL, RTL\Delphi	RSP-44047 (https://quality.embarcadero.com/browse/RSP-44047)
TXMLNode.DeclareNamespace, the test to see if the namespace node already exists is wrong	RTL, RTL\Delphi	RSP-43977 (https://quality.embarcadero.com/browse/RSP-43977)
Incorrect precision for extended stored in JSON objects in 64 bits	RTL, RTL\Delphi	RSP-43976 (https://quality.embarcadero.com/browse/RSP-43976)
THttpClient with Android and AuthEvent	RTL, RTL\Delphi	RSP-43939 (https://quality.embarcadero.com/browse/RSP-43939)
TStreamReader - Buffered Data can grow indefinitely	RTL, RTL\Delphi	RSP-43490 (https://quality.embarcadero.com/browse/RSP-43490)
StrToFloat returns wrong values (in Win64 but not Win32)	RTL, RTL\Delphi	RSP-43485 (https://quality.embarcadero.com/browse/RSP-43485)
JSON serialization error with scientific double notation	RTL, RTL\Delphi	RSP-43463 (https://quality.embarcadero.com/browse/RSP-43463)
Optimization for _UStrSetLength	RTL, RTL\Delphi	RSP-42508 (https://quality.embarcadero.com/browse/RSP-42508)
Removal of DivBy100 and DivBy100000000	RTL, RTL\Delphi	RSP-42608 (https://quality.embarcadero.com/browse/RSP-42608)
TArray.Copy<T> fail.	RTL, RTL\Delphi	RSP-42502 (https://quality.embarcadero.com/browse/RSP-42502)
TZipfile, ZIP64 Support broken (Invalid Zip Central Header signature)	RTL, RTL\Delphi	RSP-42478 (https://quality.embarcadero.com/browse/RSP-42478)
TJson.ObjectToJsonString to generate JSON avoid use listHelper on TObjectList data	RTL, RTL\Delphi	RSP-41929 (https://quality.embarcadero.com/browse/RSP-41929)
TZipFile FCurrentFile not set for Add of Stream or TBytes	RTL, RTL\Delphi	RSP-41720 (http://quality.embarca

		dero.com/browse/ RSP-41720)
Formatting with leading zeros	RTL, RTL\Delphi	RSP-41384 (http s://quality.embarca dero.com/browse/ RSP-41384)
RoundTo is not threadsafe (probably same for function like StrToFloat, etc.)	RTL, RTL\Delphi	RSP-39428 (http s://quality.embarca dero.com/browse/ RSP-39428)
TRect.Add and UnionF problem with Empty rectangles	RTL, RTL\Delphi	RSP-38757 (http s://quality.embarca dero.com/browse/ RSP-38757)
Bug in ExpandVolumeName (SysUtils)	RTL, RTL\Delphi	RSP-20184 (http s://quality.embarca dero.com/browse/ RSP-20184)
High cpu usage with TFileStream and TParallel	RTL, RTL\Delphi, RTL\Delphi\Threads	RSP-43540 (http s://quality.embarca dero.com/browse/ RSP-43540)
Error in parsing URL parameters without values in NetHttpClient	RTL\Delphi\Net	RSP-44150 (http s://quality.embarca dero.com/browse/ RSP-44150)
NetHttpClient parsing URL parameters is incorrect	RTL\Delphi\Net	RSP-43422 (http s://quality.embarca dero.com/browse/ RSP-43422)
MEMORY LEAKS IN MACOSX	RTL\Delphi\Net	RSP-33818 (http s://quality.embarca dero.com/browse/ RSP-33818)
Memory Leak in processing SOAP Response with attachments	SOAP	RSP-41924 (http s://quality.embarca dero.com/browse/ RSP-41924)
MDI with styles and	VCL	RSP-44308 (http s://quality.embarca dero.com/browse/ RSP-44308)
MDI menu merge D12 regression	VCL	RSP-44220 (http s://quality.embarca dero.com/browse/ RSP-44220)
TWICImage does not implement CanLoadFromStream() even though it can be loaded from a TStream	VCL	RSP-44115 (http s://quality.embarca dero.com/browse/ RSP-44115)
TCustomListView having virtual items loses items on RecreateWnd	VCL	RSP-44056]
Issue with Styles in MDI app	VCL	RSP-44044 (http s://quality.embarca dero.com/browse/ RSP-44044)
TImage cant load SVG from resource	VCL	RSP-43961 (http s://quality.embarca

		dero.com/browse/ RSP-43961)
Issue with TListView.Items.Clear	VCL	RSP-43907 (http s://quality.embarca dero.com/browse/ RSP-43907)
MDI Windows Tile Vertically/Horizontally does not work	VCL	RSP-43585 (http s://quality.embarca dero.com/browse/ RSP-43585)
When MDI form & Custom Styles are used together, the Process cannot be terminated.	VCL	RSP-43551 (http s://quality.embarca dero.com/browse/ RSP-43551)
New VisualManager feature causes crash in TCustomForm.WndProc() with Action=caFree	VCL	RSP-43547 (http s://quality.embarca dero.com/browse/ RSP-43547)
Screen flashing when using TFormTabsBar in maximized mode	VCL	RSP-42771 (http s://quality.embarca dero.com/browse/ RSP-42771)
Bad UI when using quick configuration for RadioGroup:	VCL	RSP-42697 (http s://quality.embarca dero.com/browse/ RSP-42697)
Immersive Dark Mode should check 20348 not 22000	VCL	RSP-43119 (http s://quality.embarca dero.com/browse/ RSP-43119)
TNumberBox doesn't accept input	VCL	RSP-42131 (http s://quality.embarca dero.com/browse/ RSP-42131)
TStackPanel cut off at high dpi	VCL	RSP-41964 (http s://quality.embarca dero.com/browse/ RSP-41964)
TTouchKeyboard contains empty layout	VCL	RSP-41925 (http s://quality.embarca dero.com/browse/ RSP-41925)
ProgressBar.State isn't supported under VCL Styles	VCL	RSP-41815 (http s://quality.embarca dero.com/browse/ RSP-41815)
Hidden buttons on TToolBar, unexpected behaviour	VCL	RSP-41413 (http s://quality.embarca dero.com/browse/ RSP-41413)
Bug in TActionBarAccessibility.accHitTest method	VCL	RSP-41319 (http s://quality.embarca dero.com/browse/ RSP-41319)
THeaderControl section reordering: Just rewrite the control from scratch	VCL	RSP-41252 (http s://quality.embarca dero.com/browse/ RSP-41252)

THeaderControl section reordering: section identity messed up	VCL	RSP-41250 (https://quality.embarcadero.com/browse/RSP-41250)
TStatusBar Font is incorrect on secondary monitors after system change	VCL	RSP-41192 (https://quality.embarcadero.com/browse/RSP-41192)
XE112: VCL: TToolbar Chevron button is missing when enabled VCLStyles	VCL	RSP-39967 (https://quality.embarcadero.com/browse/RSP-39967)
Tlistview still show scrollbars after visible=false if a style other than windows is used	VCL	RSP-39869 (https://quality.embarcadero.com/browse/RSP-39869)
Delphi 11.2 High DPI - TCategoryPanelGroup and TDBCtrlGrid scaling issues	VCL	RSP-39856 (https://quality.embarcadero.com/browse/RSP-39856)
TStyleManager.TrySetStyle fails when using PopupMode = pmExplicit in main form	VCL	RSP-39019 (https://quality.embarcadero.com/browse/RSP-39019)
Sort arrow not painted in ListView Columns header - When using a Style	VCL	RSP-37136 (https://quality.embarcadero.com/browse/RSP-37136)
TPopupMenu sub-items right arrow painted old style with ImageList and/or Style	VCL	RSP-37052 (https://quality.embarcadero.com/browse/RSP-37052)
Incorrectly scaling in HighDPI when using TRzSplitter	VCL	RSP-35777 (https://quality.embarcadero.com/browse/RSP-35777)
All TControllist predefined layouts have the same name	VCL	RSP-32628 (https://quality.embarcadero.com/browse/RSP-32628)
Component does not update when align is changed.	VCL	RSP-22327 (https://quality.embarcadero.com/browse/RSP-22327)

See Also

- New features and customer reported issues fixed in RAD Studio 12.0
- Release Notes
- 12 Athens - Release 1

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