

New features and customer reported issues fixed in RAD Studio 10.3.1

Abstract: List of new features and customer reported issues fixed in RAD Studio 10.3 Rio - Release 1.

10.3 Rio - Release 1 (also known as 10.3.1) is an update of Delphi 10.3 Rio, C++Builder 10.3 Rio, and RAD Studio 10.3 Rio available for any active Update Subscription customer. 10.3 Rio - Release 1 consists of new features, enhancements, and bug fixes.

Release 1 also includes the enhancements from the [C++ Toolchain Hotfix \(https://cc.embarcadero.com/item/30872\)](https://cc.embarcadero.com/item/30872) (released on January 21st, 2019), the [RAD Server Database Migration Patch \(https://cc.embarcadero.com/item/30871\)](https://cc.embarcadero.com/item/30871) (released on December 14th, 2018), the [IDE Patch \(https://cc.embarcadero.com/item/30870\)](https://cc.embarcadero.com/item/30870) (released on December 14th, 2018), and the [Missing Files Patch \(https://cc.embarcadero.com/item/30869\)](https://cc.embarcadero.com/item/30869) (released on December 5th, 2018).

RAD Studio 10.3.1 consists of new features, enhancements, and bug fixes.

Key RAD Studio 10.3.1 New Features

- Expanded support for iOS 12 and iPhone X series devices.
- RAD Server Console UI redesign and migration to the Ext JS framework.
- Improved FireDAC support for Firebird 3.0.4 and Firebird embedded.
- HTTP and SOAP Client Library Enhancements on Windows.
- Two new IDE productivity tools: Bookmarks and Navigator.
- 15 new custom VCL Windows and Multi-Device FireMonkey styles.

List of publicly reported bugs fixed in 10.3.1

This release also includes additional enhancements throughout various product areas and fixes for over 150 publicly reported bugs.

Summary	Component/s	QP/QC
[Regression] Conditional noexcept for Template Member Function is evaluated differently(?)	Compiler, Compiler\C++	RSP-23297 (https://quality.embarcadero.com/browse/RSP-23297)
C++ 10.3 bcc32c, AV when std::map with try/ __finally	Compiler, Compiler\C++	RSP-22988 (https://quality.embarcadero.com/browse/RSP-22988)
[bcc64] Compiler version predefined macros are not updated	Compiler, Compiler\C++	RSP-21704 (https://quality.embarcadero.com/browse/RSP-21704)
bcc32c parallel compilation fails to work!	Compiler, Compiler\C++	RSP-21657 (https://quality.embarcadero.com/browse/RSP-21657)
Memory display unable to show padded extended from bcc32c	Compiler, Compiler\C++	RSP-21609 (https://quality.embarcadero.com/browse/RSP-21609)
[Clang 5] Problem with Ansi character constant encoding	Compiler, Compiler\C++	RSP-22339 (https://quality.embarcadero.com/browse/RSP-22339)
binary encoding/decoding of float fails with bcc32c release mode	Compiler, Compiler\C++	RSP-19313 (https://quality.embarcadero.com/browse/RSP-19313)
std::chrono::steady_clock::now() returns time_point instead of time_point	Compiler, Compiler\C++, Compiler\C++\CLANG	RSP-18752 (https://quality.embarcadero.com/browse/RSP-18752)
[C++][CLANG32][EH] Exception rethrow causes a crash in BCC32C	Compiler, Compiler\C++, Compiler\C++\CLANG	RSP-13219 (https://quality.embarcadero.com/browse/RSP-13219)
bcc32c compiler crashes due compilation	Compiler, Compiler\C++, Compiler\C++\CLANG, Compiler\C++\CLANG\Back End	RSP-19918 (https://quality.embarcadero.com/browse/RSP-19918)
Datasnap - linker errors on new ISAPI dll project	Compiler, Compiler\C++, Data\DataSnap	RSP-21805 (https://quality.embarcadero.com/browse/RSP-21805)
FireDac TFDStoredProc input parameter mismatch	Compiler, Compiler\C++, Data\FireDAC	RSP-23121 (https://quality.embarcadero.com/browse/RSP-23121)
Debugger] With bcc32c some variables are not evaluated correctly by the debugger	Compiler, Compiler\C++, Debugger	RSP-19834 (https://quality.embarcadero.com/browse/RSP-19834)
C++ 10.3 bcc32c, try __finally, Internal compiler error: 0 @ 00000000	Compiler, Compiler\C++, VCL	RSP-23418 (https://quality.embarcadero.com/browse/RSP-23418)
Clang: __finally block contains corrupt class members and local objects	Compiler, Compiler\C++, VCL	RSP-21824 (https://quality.embarcadero.com/browse/RSP-21824)

		m/browse/RSP-21824)
F2084 Internal Error: C2527	Compiler, Compiler\Delphi	RSP-21806 (https://quality.embarcadero.com/browse/RSP-21806)
F2084 Erreur interne : C21846	Compiler, Compiler\Delphi	RSP-22285 (https://quality.embarcadero.com/browse/RSP-22285)
ObjC linker flag appears to be broken when targeting iOS 11.x	Compiler, Compiler\Delphi	RSP-20728 (https://quality.embarcadero.com/browse/RSP-20728)
When linking static libraries (*.a) inside an ios project i have warning: unknown dwarf DW_FORM_strp	Compiler, Compiler\Delphi	RSP-19759 (https://quality.embarcadero.com/browse/RSP-19759)
TEdit: Disturbing full screen input in landscape orientation on Android	Compiler\Delphi, FireMonkey	RSP-23442 (https://quality.embarcadero.com/browse/RSP-23442)
"[FireDAC][Phys][IB]cannot attach to password database" on second launch of iOS app	Data	RSP-23012 (https://quality.embarcadero.com/browse/RSP-23012)
TFDJSONDataSet	Data	RSP-22781 (https://quality.embarcadero.com/browse/RSP-22781)
TClientDataSet stores date wrong	Data, Data\ADO	RSP-21937 (https://quality.embarcadero.com/browse/RSP-21937)
It should be possible to construct TAmazonStorageService with empty account key	Data, Data\Cloud	RSP-23173 (https://quality.embarcadero.com/browse/RSP-23173)
TAmazonStorageService.GetBucketLocation() returns amzrUSEast1 in case an authentication error occurs.	Data, Data\Cloud	RSP-23165 (https://quality.embarcadero.com/browse/RSP-23165)
Empty dataset returned from DataSnap Server causes "Argument out of range" error in client	Data, Data\DataSnap	RSP-23217 (https://quality.embarcadero.com/browse/RSP-23217)
Datasnap REST memory leak in client on internal server error exception	Data, Data\DataSnap	RSP-23100 (https://quality.embarcadero.com/browse/RSP-23100)
DataSnap Server (Service Application) miss Vcl.SvcMgr unit	Data, Data\DataSnap	RSP-21728 (https://quality.embarcadero.com/browse/RSP-21728)
DataSnap REST Application only allows 1 user	Data, Data\DataSnap	RSP-20216 (https://quality.embarcadero.com/browse/RSP-20216)
function TDataSet.CopyFields does not copy field values of a nested dataset	Data, Data\DBRtl	RSP-22946 (https://quality.embarcadero.co

		m/browse/RSP-22946)
FireDAC master/detail Relation, detail Query not updating when inserting new master Record	Data, Data\FireDAC	RSP-23260 (https://quality.embarcadero.com/browse/RSP-23260)
[REGRESSION] [FireDAC][Phys][FB]invalid transaction handle (expecting explicit transaction start)	Data, Data\FireDAC	RSP-23176 (https://quality.embarcadero.com/browse/RSP-23176)
IOS Iblite Interbase not licensed	Data, Data\FireDAC	RSP-23175 (https://quality.embarcadero.com/browse/RSP-23175)
Duplicate records when opening a TFDQuery with index on an Internalcalc field	Data, Data\FireDAC	RSP-22867 (https://quality.embarcadero.com/browse/RSP-22867)
FireDAC - Firebird 3 Embedded Connection	Data, Data\FireDAC	RSP-21940 (https://quality.embarcadero.com/browse/RSP-21940)
SchemaAdapter ApplyUpdates	Data, Data\FireDAC	RSP-21939 (https://quality.embarcadero.com/browse/RSP-21939)
FireDAC RefreshRecord	Data, Data\FireDAC	RSP-20857 (https://quality.embarcadero.com/browse/RSP-20857)
FireDAC TFUpdateSQL MySQL Code generator BUG: The SQL script code Generated for FetchRow is wrong when Primary Key is an AutoInc Field	Data, Data\FireDAC	RSP-20734 (https://quality.embarcadero.com/browse/RSP-20734)
Error with master-detail using FireDac with the detail with only 1 record. Error in cache updates	Data, Data\FireDAC	RSP-20237 (https://quality.embarcadero.com/browse/RSP-20237)
FireDAC re-queries already retrieved empty detail dataset	Data, Data\FireDAC	RSP-18739 (https://quality.embarcadero.com/browse/RSP-18739)
Firemonkey app crash when using sqlite on a particular phone	Data, Data\FireDAC, FireMonkey	RSP-21875 (https://quality.embarcadero.com/browse/RSP-21875)
FireDAC crashes in 10.3	Data, Data\FireDAC, Install	RSP-21677 (https://quality.embarcadero.com/browse/RSP-21677)
Opening a large TDataModule derived form is very slow	Data, Data\LiveBindings, IDE	RSP-19465 (https://quality.embarcadero.com/browse/RSP-19465)
Can not upgrade EMS database with EMS Upgrade Wizard	Data, Data\MEAP	RSP-21676 (https://quality.embarcadero.com/browse/RSP-21676)
TClientDataset ApplyUpdates returns error count of 1 with no error message	Data, Data\Midas	RSP-20330 (https://quality.embarcadero.co

		m/browse/RSP-20330)
TRestRequest builds the request URL wrong	Data, Data\REST	RSP-23318 (https://quality.embarcadero.com/browse/RSP-23318)
10.3 Rio datasnap using JSONReflect is not compatible with 10.2. "Field FstrBuffer cannot be found in type TJSONString"	Data, RTL, RTL\Delphi, RTL\Delphi\Other	RSP-21867 (https://quality.embarcadero.com/browse/RSP-21867)
Certificate pinning impossible with TSQLConnection/THTTIClient	Data, RTL\Delphi\Net	RSP-21236 (https://quality.embarcadero.com/browse/RSP-21236)
RAD Server doubles endpoints in inheritance	Data\MEAP	RSP-21801 (https://quality.embarcadero.com/browse/RSP-21801)
macOS Mojave 10.14.1 with XCode 10.1 breaks OS X debugger	Debugger	RSP-21961 (https://quality.embarcadero.com/browse/RSP-21961)
Can't set breakpoint in runtime package if it included in installed design-time package	Debugger, IDE	RSP-22906 (https://quality.embarcadero.com/browse/RSP-22906)
TSpinBox shows empty box	FireMonkey	RSP-23518 (https://quality.embarcadero.com/browse/RSP-23518)
Error on scrolling with wheel mouse	FireMonkey	RSP-23315 (https://quality.embarcadero.com/browse/RSP-23315)
On Android decimal numbers in TNumberbox not possible	FireMonkey	RSP-23298 (https://quality.embarcadero.com/browse/RSP-23298)
TWebBrowser isn't covered by MultiView drawer	FireMonkey	RSP-23047 (https://quality.embarcadero.com/browse/RSP-23047)
TMapView "cut" when align=client	FireMonkey	RSP-23036 (https://quality.embarcadero.com/browse/RSP-23036)
FMX.TWebBrowser component drawing error on Samsung Galaxy S8	FireMonkey	RSP-23017 (https://quality.embarcadero.com/browse/RSP-23017)
Detected problem with API compatibility on Android 9	FireMonkey	RSP-23008 (https://quality.embarcadero.com/browse/RSP-23008)
iOS 12.1 SDK and device requirement for submitting to App Store	FireMonkey	RSP-22985 (https://quality.embarcadero.com/browse/RSP-22985)
TWebbrowser bug!!!	FireMonkey	RSP-22928 (https://quality.embarcadero.co

		m/browse/RSP-22928)
TWebBrowser-Change in 10.3 leads to an error	FireMonkey	RSP-21877 (https://quality.embarcadero.com/browse/RSP-21877)
AV when try to paste to a TEdit If clipboard is empty	FireMonkey	RSP-21876 (https://quality.embarcadero.com/browse/RSP-21876)
Undocumented change of TMemo.SelectWord possible Bug	FireMonkey	RSP-21865 (https://quality.embarcadero.com/browse/RSP-21865)
Splash screen hangs when using 9-patch image	FireMonkey	RSP-21863 (https://quality.embarcadero.com/browse/RSP-21863)
MainActivity.registerIntentAction fails under RAD 10.3 (Rio)	FireMonkey	RSP-21841 (https://quality.embarcadero.com/browse/RSP-21841)
TNumberBox don't show text if value is 0	FireMonkey	RSP-21820 (https://quality.embarcadero.com/browse/RSP-21820)
External exception 87A at finalization of FMX	FireMonkey	RSP-21817 (https://quality.embarcadero.com/browse/RSP-21817)
Button with caption: "Done" appears when Edit/Memo has focus with device in landscape mode	FireMonkey	RSP-21811 (https://quality.embarcadero.com/browse/RSP-21811)
The text in TComboTrackBar is not updated after changing value at runtime.	FireMonkey	RSP-21784 (https://quality.embarcadero.com/browse/RSP-21784)
Native control of WebBrowser can not call WebBrowser.Navigate method	FireMonkey	RSP-21730 (https://quality.embarcadero.com/browse/RSP-21730)
GetIt pack Radiant Shapes shows v1.1.3 but installs 1.1.2	FireMonkey	RSP-22070 (https://quality.embarcadero.com/browse/RSP-22070)
Listview and Listbox unusable with Camera component	FireMonkey	RSP-21988 (https://quality.embarcadero.com/browse/RSP-21988)
TTrackbar - dragging thumb doesn't work right if Tracking is set to False on Android	FireMonkey	RSP-22231 (https://quality.embarcadero.com/browse/RSP-22231)
ImageList changes Filenames w/ leading zeroes (File01.jpg -> File1.jpg)	FireMonkey	RSP-22284 (https://quality.embarcadero.com/browse/RSP-22284)
Repopulating a StringGrid with less rows can cause a crash	FireMonkey	RSP-22260 (https://quality.embarcadero.com/browse/RSP-22260)

		m/browse/RSP-22260)
TFloatAnimation causes segmentation fault on Android	FireMonkey	RSP-21990 (https://quality.embarcadero.com/browse/RSP-21990)
[FMX] Android TListView Item Text only shows on first item with Android 10" Tablet	FireMonkey	RSP-22280 (https://quality.embarcadero.com/browse/RSP-22280)
Android TEdit using ControlType=Platform too visible	FireMonkey	RSP-22024 (https://quality.embarcadero.com/browse/RSP-22024)
TExpander broken	FireMonkey	RSP-22041 (https://quality.embarcadero.com/browse/RSP-22041)
Changes to FMX.Memo.Style.pas	FireMonkey	RSP-22406 (https://quality.embarcadero.com/browse/RSP-22406)
Android app non functional on Samsung Galaxy XCover 3	FireMonkey	RSP-22127 (https://quality.embarcadero.com/browse/RSP-22127)
Argument Out of Range Error Multiview	FireMonkey	RSP-20902 (https://quality.embarcadero.com/browse/RSP-20902)
[Android] VirtualKeyboardShown event fired when keyboard is closed	FireMonkey	RSP-20826 (https://quality.embarcadero.com/browse/RSP-20826)
Redundant scrollbar condition in FMX.ExtCtrls	FireMonkey	RSP-20806 (https://quality.embarcadero.com/browse/RSP-20806)
TButton With StyleLookup speedbuttonstyle Inside TEdit Breaks Out Of Align Size	FireMonkey	RSP-20530 (https://quality.embarcadero.com/browse/RSP-20530)
Since Tokyo 10.2.2 the Android project won't run on Android 4.4.2 Exception EContext3DException	FireMonkey	RSP-19738 (https://quality.embarcadero.com/browse/RSP-19738)
After Updating delphi from 10.2.1 to 10.2.2 Application no longer runs on LineageOS 13	FireMonkey	RSP-19694 (https://quality.embarcadero.com/browse/RSP-19694)
Problem when editing on a TEdit	FireMonkey	RSP-18449 (https://quality.embarcadero.com/browse/RSP-18449)
FMX.StdCtrls.TExpander is broken in Delphi Tokyo	FireMonkey	RSP-18155 (https://quality.embarcadero.com/browse/RSP-18155)
Some Android Keyboard Issues (IMEs) + Solution included	FireMonkey	RSP-16895 (https://quality.embarcadero.co

		m/browse/RSP-16895)
TSelection property Proportional = true, the left bottom point of movement problems	FireMonkey	RSP-16061 (https://quality.embarcadero.com/browse/RSP-16061)
On iOS platform, edit controls stop working after showing and hiding other form (edited)	FireMonkey	RSP-13365 (https://quality.embarcadero.com/browse/RSP-13365)
Native resolution not supported on iPad Pro	FireMonkey	RSP-12931 (https://quality.embarcadero.com/browse/RSP-12931)
[10.2.3 Regression] AddImageToSavedPhotosAlbum() do not work	FireMonkey, FireMonkey\Runtime	RSP-21953 (https://quality.embarcadero.com/browse/RSP-21953)
ExecuteTarget method of TTakePhotoFromLibraryAction and TTakePhotoFromCameraAction no longer uses Target parameter	FireMonkey, FireMonkey\Runtime	RSP-18961 (https://quality.embarcadero.com/browse/RSP-18961)
TNotificationCenter.PresentNotification not working on iOS10 devices (for R1031)	FireMonkey, RTL	RSP-16762 (https://quality.embarcadero.com/browse/RSP-16762)
App uses non-SDK interfaces, Android 9.0 throws a warning toast	FireMonkey\Runtime, RTL, RTL\Delphi, RTL\Delphi\Header Translations	RSP-22046 (https://quality.embarcadero.com/browse/RSP-22046)
Provisioning - default values for Build Type = Windows XXbit - Application Store and Distribution type = Store	IDE	RSP-23180 (https://quality.embarcadero.com/browse/RSP-23180)
AV in dclbindcomp260.bpl	IDE	RSP-22990 (https://quality.embarcadero.com/browse/RSP-22990)
Delphi crash with error report	IDE	RSP-22910 (https://quality.embarcadero.com/browse/RSP-22910)
GetIt - Systools is still missing	IDE	RSP-22880 (https://quality.embarcadero.com/browse/RSP-22880)
GetIt - SynEdit and JCL/JVCL are missing	IDE	RSP-21923 (https://quality.embarcadero.com/browse/RSP-21923)
Rio 10.3 IDE missing Application sub options	IDE	RSP-21683 (https://quality.embarcadero.com/browse/RSP-21683)
CLANG compiled packages will not install the components	IDE	RSP-22100 (https://quality.embarcadero.com/browse/RSP-22100)
Deploying an App to the Windows Store fails	IDE	RSP-22123 (https://quality.embarcadero.com/browse/RSP-22123)

		m/browse/RSP-22123)
Attach to process dialog does not show all processes	IDE	RSP-22192 (https://quality.embarcadero.com/browse/RSP-22192)
add ITSAAppUsesNonExemptEncryption key to info.plist for iOS	IDE	RSP-20636 (https://quality.embarcadero.com/browse/RSP-20636)
Add ability to specify iPad Pro 167px application icon	IDE	RSP-14635 (https://quality.embarcadero.com/browse/RSP-14635)
Tokyo Builder does not create IOS and Android Libraries	IDE, IDE\Projects	RSP-19602 (https://quality.embarcadero.com/browse/RSP-19602)
Installation System Path Warning Missing Knowledge Base Article	Install	RSP-14244 (https://quality.embarcadero.com/browse/RSP-14244)
ilink32: Unresolved external 'operator new(unsigned int, std::align_val_t)' and 'operator delete(void *, std::align_val_t)'	Linker	RSP-21658 (https://quality.embarcadero.com/browse/RSP-21658)
Firebase SDKs not linking	Linker	RSP-22154 (https://quality.embarcadero.com/browse/RSP-22154)
System.ZLib.o	Linker	RSP-22293 (https://quality.embarcadero.com/browse/RSP-22293)
[Regression] std::array initializer-list constructor removed	RTL, RTL\C++	RSP-23038 (https://quality.embarcadero.com/browse/RSP-23038)
[10.2.3 Regression] System.ZLib fails to link for Win64	RTL, RTL\C++	RSP-21653 (https://quality.embarcadero.com/browse/RSP-21653)
chrono::steady_clock is chrono::system_clock which is not steady	RTL, RTL\C++	RSP-20552 (https://quality.embarcadero.com/browse/RSP-20552)
Uncompliant definition of CLOCKS_PER_SECS	RTL, RTL\C++, RTL\C++\Date/Time	47730
JSON Serializer outputs empty array as null rather than []	RTL, RTL\Delphi	RSP-23352 (https://quality.embarcadero.com/browse/RSP-23352)
SOAP Basic Auth is broken	RTL, RTL\Delphi	RSP-23344 (https://quality.embarcadero.com/browse/RSP-23344)
System.JSON unable to handle NAN deserialization for doubles	RTL, RTL\Delphi	RSP-23338 (https://quality.embarcadero.com/browse/RSP-23338)

TAmazonStorageService.CopyObject() fails if the destination path contains a hash-tag	RTL, RTL\Delphi	RSP-23229 (https://quality.embarcadero.com/browse/RSP-23229)
Missing Soap.Win.CertHelper and public declarations	RTL, RTL\Delphi	RSP-23076 (https://quality.embarcadero.com/browse/RSP-23076)
TStringList.IndexOf ditches TStringList.CompareStrings by doing an own length comparison beforehand	RTL, RTL\Delphi	RSP-23072 (https://quality.embarcadero.com/browse/RSP-23072)
Bug in Copy() procedure	RTL, RTL\Delphi	RSP-23004 (https://quality.embarcadero.com/browse/RSP-23004)
MainActivity.registerIntentAction method causes a crash	RTL, RTL\Delphi	RSP-22877 (https://quality.embarcadero.com/browse/RSP-22877)
Wrong Null evaluation on System.JSON	RTL, RTL\Delphi	RSP-21894 (https://quality.embarcadero.com/browse/RSP-21894)
Attribute JsonSerialize is lost in descendants	RTL, RTL\Delphi	RSP-21787 (https://quality.embarcadero.com/browse/RSP-21787)
Win64 compiler generates incorrect asm code for loading const parameters into registers.	RTL, RTL\Delphi	RSP-21742 (https://quality.embarcadero.com/browse/RSP-21742)
TStringList.IndexOfName may not find a name that is in the list when Sorted = True	RTL, RTL\Delphi	RSP-21633 (https://quality.embarcadero.com/browse/RSP-21633)
TJSON.JsonToObject() doesn't work with a custom TJSONInterceptor defined via JSONReflect custom attribute	RTL, RTL\Delphi	RSP-21590 (https://quality.embarcadero.com/browse/RSP-21590)
iOS 11 Notifications never displayed	RTL, RTL\Delphi	RSP-19251 (https://quality.embarcadero.com/browse/RSP-19251)
FloatToStr does not work on Linux Apache Module	RTL, RTL\Delphi	RSP-17907 (https://quality.embarcadero.com/browse/RSP-17907)
System.Copy fails when copying Shortstring if second parameter exceeds length+1 in x64	RTL, RTL\Delphi	RSP-16704 (https://quality.embarcadero.com/browse/RSP-16704)
Exception "is not a valid ObjectiveC type"	RTL, RTL\Delphi, RTL\Delphi\Header Translations	RSP-18738 (https://quality.embarcadero.com/browse/RSP-18738)
Bug in System.Net.HttpClient.Win.pas	RTL, RTL\Delphi, RTL\Delphi\Net	RSP-21770 (https://quality.embarcadero.com/browse/RSP-21770)

THttpClient should report Server Certificate error specifics	RTL, RTL\Delphi, RTL\Delphi\Net	RSP-19831 (https://quality.embarcadero.com/browse/RSP-19831)
HTML Decode can cause nulls in return value	RTL, RTL\Delphi, RTL\Delphi\Net	RSP-18007 (https://quality.embarcadero.com/browse/RSP-18007)
TISAPIRequest.TranslateURI does not work	RTL, RTL\Delphi, RTL\Delphi\Net	RSP-17838 (https://quality.embarcadero.com/browse/RSP-17838)
[10.2.3 Regression] LocationSensor does not work on iOS	RTL, RTL\Delphi, RTL\Delphi\Other	RSP-21834 (https://quality.embarcadero.com/browse/RSP-21834)
Scheduled notifications not appearing on Android	RTL, RTL\Delphi, RTL\Delphi\Other	RSP-22312 (https://quality.embarcadero.com/browse/RSP-22312)
THttpClient DoProcessStatus doesn't remove the Content-Length Header when redirecting	RTL\Delphi\Net	RSP-23341 (https://quality.embarcadero.com/browse/RSP-23341)
SOAP gzipped response is not unzipped, causes application crash	RTL\Delphi\Net	RSP-23225 (https://quality.embarcadero.com/browse/RSP-23225)
DataSnap authentication with firemoney client on Windows. UTF8 support for REST DataSnap authentication.	RTL\Delphi\Net	RSP-21547 (https://quality.embarcadero.com/browse/RSP-21547)
unit Soap.SOAPHTTPTrans procedure THTTPReqResp.DoNeedClientCertificate missing instruction	SOAP	RSP-23195 (https://quality.embarcadero.com/browse/RSP-23195)
THTTPReqResp.DoNeedClientCertificate(...) does not validate certificate correctly	SOAP	RSP-23177 (https://quality.embarcadero.com/browse/RSP-23177)
Property CertName doesn't exist in the component TClientCert	SOAP	RSP-23143 (https://quality.embarcadero.com/browse/RSP-23143)
THTTPReqResp returning the error "received content of invalid content-type setting text/html - soap expects text/xml" in Windows 10 (1809)	SOAP	RSP-23092 (https://quality.embarcadero.com/browse/RSP-23092)
THTTTPRIO->HTTPWebNode->ClientCertificate CertName and SerialNumber missing	SOAP	RSP-21907 (https://quality.embarcadero.com/browse/RSP-21907)
Property SerialNum doesn't exist in the component TClientCert	VCL	RSP-23132 (https://quality.embarcadero.com/browse/RSP-23132)
TRelativePanel - IDE crashes (and unjustified circular dependency)	VCL	RSP-22860 (https://quality.embarcadero.com/browse/RSP-22860)

Create an APPX file not working	VCL	RSP-21679 (https://quality.embarcadero.com/browse/RSP-21679)
TRichEdit displays text wrong in high dpi	VCL	RSP-22119 (https://quality.embarcadero.com/browse/RSP-22119)
PopupMenu wrong position if running on secondary monitor	VCL	RSP-21011 (https://quality.embarcadero.com/browse/RSP-21011)
IDE very slow when create new form or unit with large project	VCL	RSP-18066 (https://quality.embarcadero.com/browse/RSP-18066)
DPI scaling of frames may give inconsistent results	VCL	RSP-17966 (https://quality.embarcadero.com/browse/RSP-17966)

See Also

- [10.3 Rio - Release 1](#)

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