

New Version 21.0 - 5/20/21

Designer

- new Designer.AutoSave boolean property
- new Designer Win 10 per monitor High DPI improvements
- new TextFileName property editor to use DefaultFileDeviceType

Enhanced High DPI - v2 Per Monitor DPI

- Windows 10 / Latest Delphi
- Virtual Image List (scaleable images)
- Form/Dialog save/load state
- Toolbars/ToolWindows

RCL

- new PDFComponent
 - embed PDF documents in reports (similar to section subreport)
- * requires PDFReader plug-in: PDFium or WPViewPDF
- new BarCode 128 - GS1 improvement
 - AutoEncode, CodeSet C must encode only pairs of 0-9, exclude FNC1
- new 2DBarcode, Rotation support (90 degree increments)
- new QRCode, Exclude UTF8 BOM (Byte Order Mark) property
- new Checkbox, FieldTitle property (PDF form fields)
- new DBImage, Automatically load image from URL DB value
- new \$Desktop file path variable support
- new RichText support for Superscript, Subscript
 - new RichText.CharFormat: TppTextAttributes property
 - new TppTextAttributes.YOffset: TppCharYOffsetType property
 - new TppCharYOffsetType = (coNormal, coSuperscript, coSubscript)
 - new RichText Editor SuperScript, Subscript toolbar buttons
 - new RAP RTTI for RichText.CharFormat

RAF Merge Utility

- new TppRAFMerge, utility for merging archive files
- new TppArchiveDevice.MergeUtility: TppRAFMerge public property

DataPipeline

- - new Editing boolean property returns true if in editing state

Preview

- new Scrollable Page Preview support for main or background thread
 - PreviewFormSettings/Viewer UseBackgroundThread boolean property
- new Multi email plugin support

Email

- new Multiple email plugin support (Single SMTP plugin + multiple cloud plugins)
- new Email ConnectionSettings property group
- new Stand-alone TppEmail object can be used to send emails without a report
- new Loopback HTTP OAuth2 verification
 - Default browser now used to authenticate
- Decoupled all Mail REST API from RB
- new SMTPOutlook plug-in, SetModal class function to control Outlook client

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Output Devices

- new ImageDevice, for single page do not append _PageNo suffix
- new Xlsx, XlsSettings CacheToFile, Optionally use MemoryStream rather than FileStream
- new Xlsx/Xls, ensure memo lines map to same col
- new Xlsx/Xls, keep columns aligned when some values empty
- new Xlsx/Xls, shape rendering to support for alternating gray bar style detail
- new PDF, Digital Signatures
 - * requires OpenSSL library
- new PDF, Custom PDF Metadata
- new PDF, Document-level Javascript
- new PDF, ZUGFeRD 2.x support
- new PDF, ZUGFeRD AutoParse property
- new PDF, Page Layout control (i.e. Single Page, Continuous, Two-Up, etc.)
- new PDF, Page Mode control (i.e. Thumbnails, Attachments, Outline, etc.)
- new PDF, PrintScaling property
- new PDF, Transparent image processing enhancements
- new PDF, Support for large Metafile to Bitmap conversions
- new PDF, Built-in MIME type detection
- new RTF, RichText content exported to a single TextBox

Cloud Drive

- new Directory Support
- new Built-in cloud drive directory explorer
- new Loopback HTTP OAuth2 verification
 - Default browser now used to authenticate
- new Support for uploading large files
- new Login information properties
- new Decoupled all Cloud REST API from RB
- new Updated documentation to match latest API versions
- new Google Drive, added support for "Desktop Application" registration
- new DropBox, added EdgeBrowser verification support

ReportExplorer

- new Save logic, added check for DataPipeline.Editing

DADE

- new QueryDesigner Search, ... button to launch SQL editor for SQL Expression
- new SQL Search Criteria support for :ParamName resolution within a SQL SubSelect
- new Magic SQL linking support for case where Criteria Value contains field name reference
- DADE Collation/Magic SQL linking
 - new TppCustomDataPipeline.RegisterCompareStringHook class procedure for case where DB collation <> RB built-in collations

RAP

- new conversion functions:
 - StrToDateDef, StrToDateTimeDef, StrToTimeDef, StrToCurrDef, StrToIntDef, StrToInt64Def, TryStrToDate, TryStrToDateTime, TryStrToTime, TTryStrToCurr, TryStrToInt, TryStrToInt6
- new CodeModule DataPipeline references optimization
 - build list of DataPipeilnes used by RAP code used by engine and compiler/run-time
- new RichText.Paragraph RAP RTTI for
 - TabCount, GetTab(liIndex), SetTab(aIndex, aTabPos)
 - NumberingStyle
 - LineSpacing
 - RTLReading

New Version 20.0 - 7/31/19

Preview

- new Export to File toolbar button
- new Cloud Drive toolbar button
- new Thumbnail Size control options
 - Small, Medium, Large options added to popup menu
 - ThumbnailSize property added
 - Thumbnail auto size option
- new ThumbnailMousewheel support
- new ThumbnailEnhanced resolution for small sizes
- new PageIncrement limit decreased to 20

Output Devices

- new PDF, 256 bit AES encryption
- new PDF, Attachment description support
- new PDF, Attachment streaming support
- new PDF, Form field password (hidden character) option
- new PDF, Form field multi-line support
- new PDF, Form field character separator option
- new PDF, PDF/A-3 ZUGFeRD auto metadata processing
- new PDF, RichText embedded image support (Infopower)
- new PDF, NeedsAppearances property
- new PDF, PDF/A Checkbox support
- new PDF, PDF/A Symbol font support
- new Xlsx, export shapes as cell range formatting (border, fill)
- new Xlsx, export lines as cell range formatting (border)
- new Xlsx, only skip empty strings when AutoSize False
- new Email, Outlook plug-in, show modal Outlook Client
- new FileDevice.Cancel, delete file logic
- new Viewer, OnCancel event

RCL

- new DBCheckbox, support for Boolean and String field datatypes
- new Image, enhanced rendering for transparent bitmap scaling
- new HyperlinkHint property for Text, Image components

Archiving

- new RAF file support > 4GB
 - ArchiveDevice, write 64-bit page entries (new archives)
 - ArchiveReader, check file signature and read 32 or 64 page entries
 - ArchiveReader.ArchivePageCount
 - return ArchivePagecount without calling Print (prop getter)

REST

- new DocumentService, enhanced Format property to support:
 - File extension: PDF, Xlsx, etc.
 - DeviceName: XlsReport, XlsData, etc.

DADE

- new File | Merge From File... menu option (Designer)
- new SQL validation optimization
 - use Limit 0 rather than where 'c' <> 'c'
- new Query Designer, auto-join suggestion data-type checkin
- new Query Designer, prompt user when SelectedFields = 0
- new SQL error description, enhanced to include SQL statement

New Version 20.0 - 7/31/19

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New Version 20.0 Enhancements Continued...

RAP

- new RAP System Constants plug-in architecture
 - enables registering constants to RAP Code Toolbox
- new Compiler, support constants for enum types
- new RTTI for TBrush, TPen classes

Server

- new WebTier, retrieve PDFSettings stored w/report definition
- new ClientReport, GetPDFSettings method to retrieve report PDFSettings
- new TPersistentWriter/Reader (used by Server streaming)
- new WebTier, ErrorPage to show exception stack trace
 - requires Delphi 10.2 and later
 - requires JCLDebug or similar add-on that implements SysUtils hooks

*features may vary by ReportBuilder Edition and Delphi version

New Version 19.0 - 2/16/18

Designer

- new AutoSave / Recovery for report layout
 - periodically autosave to AppData\Local\RBUILDER\Report_autosave.rtm
 - clear on close of designer, but if crash the file remains
 - check for file when designer opens, prompt user to recover
 - RBUILDER.ini Designer Preferences for AutoSave, AutoSaveInterval
- new View | Margins for workspace
 - display page margins for layout workspace
 - store ShowMargins preference to RBUILDER.ini
- new Sort DataPipelines in DataTree
 - right-mouse on DataTree to Sort
- new set Report.SaveAsTemplate True for TppDesigner Show/ShowModal

User Interface

- new ThemeManager, use Default theme when no RBUILDER.ini
- new RichText double-click to launch RTF Editor
- new Subscription reminder at Delphi design-time
- new Update serial number from within About Box

International

- new Right-to-Left language support
 - new RTLReading Boolean for Text, Memo, Crosstab, RichText.Paragraph
 - output device support for screen, printer, pdf, html

Email

- new IndySMTP.UseTLS boolean property
 - uses port 587 and TLS/SSL required for GMail, Office365 etc.

New Version 19.0 - 2/16/18

Output Devices

- new Xlsx architecture to optimize performance and minimize memory
 - optimized for exporting big data (large number of pages/rows)
- new Xlsx support for Title, subject, Author, etc.
- new Xlsx hyperlink support for text and images
- new Html font family fallback support
 - only convert text to images for symbol fonts (wingdings,..)
- improved Printer, use GetDefaultPrinterName instead of GetProfileString API
- new PDF form button support added
 - Submit and Reset button options added
 - Submit option sends form field info over HTTP via POST or GET
 - Submit option supports executing Adobe supported JavaScript
- new PDF form field settings property (FormFieldSettings)
 - new PDF form field character limit property (FieldMaxLength)
 - new PDF form field Read-Only property (FieldReadOnly)
 - new PDF form field field title property (FieldTitle)
 - new PDF form field form submit info property including JavaScript, SubmitMethod, and URL properties.
- new PDF right-to-left text support
- new PDF file attachment support
 - Attach external files to exported PDF files
- new PDFFormat property to define which PDF/A standard to use.
- new PDF/A-2B, PDF/A-3B, and PDF/A-3B ZUGFeRD support
 - new PDF/A2, PDF/A3, and PDF/A3-ZUGFeRD file devices
- improved PDF/A now supports embedded font subsets with Unicode encoding
- improved PDF SetMapMode support added for PDF metafile reader

Engine

- optimized component SaveOrder calc, when exporting to XlsData, Delimited file
- new left to right columns support for toggling Band.Visible

DataPipeline

- new DataPipeline FieldLink.IgnoreTrailingSpaces boolean

Preview

- new Thumbnail Viewer highlight current page
- new AccessoryToolbar (Outline, Thumbnail, Text Search) .ini support

RCL

- new TableGrid undo support, improved Undo architecture
- new Border.Padding property (margin) and implement in DrawInfo (ppCtrls)
- improved accuracy for diagonal lines (screen, preview, PDF)
- improved RichText performance (speed) and stability for scrollable page preview
- new Viewer.AbsolutePageCount property
- new ArchiveReader support for file path variables such as (\$MyDocuments)
- new PreviewFormSettings.SaveWindowPlacement property, default True
- new Rotated Wrapped Text support for Labels (increments of 90 degrees)
- new Aztec Code barcode support
- new QRCode ECI support for multiple binary charsets

DADE

- new Dade FieldLink.IgnoreTrailingSpaces based on database type

New Version 19.0 Enhancements Continued...

ReportExplorer

- new Cut, Copy, Paste options added to the Report Explorer
- tool buttons, menu options, and popup menu options added

RAP

- new RAP Code Editor copy/paste option to include procedure/function declaration
- new RAP RTTI for TStringList.Delimiter, DelimitedText, QuoteChar
- new run-time error checking for missing parameter value in program call

REST and Mobile

- enhanced to force nbBlankReport for no data condition
- enhanced viewer to work around WebBrowser bug on Windows platform.

*features may vary by ReportBuilder Edition and Delphi version

*RB 18 includes support for Delphi versions:

Delphi 10.2 Tokyo, D10.1 Berlin, D10 Seattle, XE8, XE7, XE6,
XE5, XE4, XE3, XE2, XE, D2007, D7