DP2 Cumulative Changes up to v21.3.5

This document lists the fixes, changes, and/or enhancements found in each build of DP2 version 21.

Cumulative from v21.2.34 to v21.3.5

NOTE: This version of DP2 requires Windows 7 or later. If you need to install on an older platform submit a help request through service desk.

General Enhancements

- Changed the Open Order window of the Digital Analyzer to have separate buttons for Open Images Order and Open Entered Order to allow user to open the images order or the reorder

- Added support in Adjust Images for using the mouse scroll wheel to make slider adjustments

- Added a render effect to create a very substantial blur in an image plus a way to optionally leave some regions unaffected (RadicalBlurExceptNodes())

- Added support for larger roll and frame values for customers wanting to override the default lengths. There's also now a script call (UpdateSQLCHARFieldLength()) to help customers correctly (and completely) change all the needed database field definitions for Roll and Frame. (The lengths can now be expanded up to about 220 to 230 characters depending on environmental conditions. Contact DP2 support for more information.)

- Enlarged the Duplicate Products window to see longer Product IDs

- There is a new Layout Helper called Nodes. It lists the nodes in the order item (or product) where they can be selected with corresponding nodes in the order item selected in sync. The user can set different node parameters through the helper such as No Render or No Print, or change the layering order of the nodes. It also allows filtering the list by image or text nodes, custom named nodes, countable nodes, or nodes that contain macros or don't contain macros.

- Layout Helpers will now treat settings as "sticky" across multiple close and opens of the window

- Added a new script call (ExportImagesForOrderID()) which works like ExportImagesForOrderID() but handles a SQL Where clause

- Script calls to MessageBox() now support all the OS options for icons (to allow differentiation between info, warning, and error for example)

- Added a NoWhiteSpace macro modifier

- Added support for a new Microsoft SQL Server OleDB driver that supports network environments which prohibit TLS 1.0.

- Changed Run Selected OrderItems to accept CRLF in the input, enabling barcode scanners to feed the items list

- Created a new job population script for two-product packages. This script will use one page for the first product and add any needed pages (including a blank one if necessary) to ensure the total is an even number of pages (as might be needed for a book's pages, for example).

- Added a new feature to open an Order along with All Related Image Orders. Roughly speaking, "related orders" are orders sharing commonality in the Image Orders field plus the original order. These related orders all show up as separate tabs in the opened window. (See DP2's help for more details.)

- Added a count to the tab name (in parenthesis) for the Order Images and Order Items windows

CaptureLife Enhancements

- Added support for CaptureLife "Premium" products. (This can be used for such things as uploading chroma-keyed images where consumers can choose a background.)

- Added support to specify a Catalog ID for CaptureLife uploads. (This can be used for such things as specifying a set of backgrounds available to a consumer, for example.)

- Added better reporting back from CaptureLife under error conditions

- Made changes to end-customer notification requests to match with a change on the CaptureLifeback end

Bug Fixes

- Fixed broken keyboard shortcuts in the Order Notification window

- Fixed a problem where certain mixed version DP2 environments would have trouble with composites

- Fixed a problem setting CaptureLife notification flags in cases where the lab wasn't pre-loading their access token (which is probably not the typical way of running)

- Fixed a problem with the included CaptureLifeAR.txt sample product (wrong FileType)

- Fixed a problem with certain OS's not properly launching an external "Retouching" application from Order Images, Digital Analyzer, Navigate Order, and Manage Images

- Fixed a problem with KPARS Credit purchasing not working with the VS2008 build

- Fixed a bug where the Calendar Layout Helper would crash when inserting a month into a node while the Initial Year Node is blank

Cumulative from v21.1.17 to v21.2.33

NOTE: This version of DP2 requires Windows 7 or later. If you need to install on an older platform submit a help request through service desk.

General Enhancements

- Added the ability to publish images to CaptureLife for digital file delivery to end consumers. Labs must establish a master account with CaptureLife first, then contact dp2 technical support (submit a Service Desk ticket) to enable this feature.

- Added the ability to trigger events for each subject when doing an order export

- Added ability to specify Trim Marks (sometimes called Cut or Crop Marks). See the Trim Marks tab in Image Node Properties for all the parameters: color; length; thickness; offset (to pull the marks inside or away from the node); and control over separating the marks, crossing them, or inverting them.

- Render Engine will no longer display a pop-up error dialog when the printer gives a "-6" error. We found cases where this error code was being repeatedly sent to DP2, and since the only "problem" is the momentary status message in the dialog not being updated the actual error dialog was causing more disruption than added value. A session log message is still recorded.

- Added a new option off the Order Data view called Batch Delete Selected Orders. This will use a DP2 worker to delete the orders in the background.

- Added ability to view the Order Items for Images by Workflow

- Added a filter to the Digital Analyzer which allow it to (optionally) only show images that are used in Order Items

- Added ability to apply a style to an order item with EditOrderItemJob() or CreateOrderItemAndJob()

- Added macro modifiers for AppendUnlessNullOr(), PrependUnlessNullOr(), and ReplaceCRLFWithBlanks()

- Added a new KPL method for the ImageCorrections class: GetProfilePathFromName()

- Increased the max size allowed for a script called via ExecuteContentsOf() from 2048 to 8192 bytes

- Order reports and emails will now allow the Order record to have a specified customerID even if that customerID doesn't exist in the Customer table

- Migrated the Digital Analyzer help into the main DP2 help system, and reorganized some of the DP2 help topics

- Removed the Help… Auto Retouch menu item

- Added more diagnostic information when reading jpeg files (and to a lesser extent Raw and Tiff files)

- Added a button to the Trace dialog that can dump a heap summary to the session log for diagnostic purposes

- Added extra diagnostics if a workstation has a problem reading license tracking data

- Added DeleteListItems() to ScannerUGencon to allow deleting all the children of a Gencon without deleting the UList

- Added the ability to view and edit the Response field in the remote work queue window

- Selecting Export Images from the Select Order window will now open a separate window each time (the legacy behavior is available by holding the Control key while selecting)

- Added ExportImagesCmds.txt to allow scripting of export images capabilities

- In the Composite Layout Helper there is now a checkbox to force staff and countable nodes to be kept the same size during repositioning. (Note repositioning happens when "Reposition" is clicked as well as when "Create From Selected Layout" in the Manage tab is used.)

- In the Composite Layout Helper's Selected Node section, it is no longer required to click the Set button for the checkbox or dropdown controls to have the changes take effect. (Note the Set button is still required for the text entry fields, and this does not eliminate the need to "Save" changes in general.)

- Queries from the UI which will open a large number of records (300+) will now display a warning about potential time and memory usage, how many records will actually be returned, and prompt the user to confirm moving forward

- More speed improvements to the display of Order Item, Image, and Product thumbnails

- Improved the speed of data grids with large numbers of rows by roughly 10x

- Added the ability to log font information. (To engage this, hold down the Control key while opening the Text Node Properties dialog. It will log the information for all the fonts the system presented as available for DP2.)

- Allow CreateOrderItemAndJob() to find the next non-null node number for any keyword

- Selecting Close All Windows will now leave the DP2 Workers running

- Improved the built-in example Action for FTP'ing an image. There's now an option to add host and credentials system settings, which then allows for a fully functioning example Action.

Improvements to the Events and Email capabilities

- Added a sample Email template that references SubjectInfo data

- If an Email Type is changed the template file will automatically be moved to the correct (new) location

- When doing Send Email… from the Order Data table the displayed choices are now filtered to only include those with "Order" in the category name

- Added ability to email a zip file containing multiple images

- The email macros that use GetOrderRelatedData() will now take a blank CustomerID to skip looking up the Customer record

- Fixed a problem where Send Test Email was failing to get the correct email address when pulling from a SubjectInfo table

- Fixed a problem where SubjectInfo emails were failing due to an incorrect query for the InfoType and the OrderID.

Bug Fixes

- Removed option to Add Field names to the Macro Assistant because it was causing a crash

- Allow composite layouts that have no product for its corresponding number of nodes to still open

- Fixed a bug where a Yearbook Export may not trigger its selected Event

- GetOriginalOrderIDsForSubjectInfo() will now handle ImagesOrder = '' (empty string)

- Fixed a problem where it was possible to have one render engine thread briefly overwhelm another thread with messages during start up (permanently hanging that render engine)

- To prevent the rare cases where a worker stops looking for new work due to windows not delivering a message, there is now an extra a wake-up message being sent every two minutes

- Fixed a problem where KPL Thread calls that unlock a critical section would go after more parameters (which are no longer valid)

- Changed the BaseImporter to only send wakeup messages to the importer thread if the thread is idle

- Fixed a missing warning message when doing export images with a different profile specified in the export images embedded profile settings and the printer queue

- Fixed a problem with the DB Restore Tool when the DB filename contains certain characters (plus, minus, etc.)

- Fixed a problem where duplicating a product did not duplicate the workflow

- Fixed a problem where GetNodeValue() did not resolve delayed macros when a NodeName was used (instead of a NodeNumber)

- Fixed a problem where the DP2 Startup Window would intermittently reflect the wrong state for running in Large Memory Mode or not

- Fixed multiple intermittent problems where saved Order Items did not properly refresh their thumbnails in the Order Items window

- Fixed a problem where Queuing an Event would prematurely resolve some macros in the Action

- Fixed a problem with intermittent Gen Con debug window crashes

- Fixed a problem where selecting Run Selected Order Items fails when with "View As Data" or "View Icons"

Cumulative from v21.1.12 to v21.1.16

NOTE: Version 21.1.11 had some significant fixes to crashes introduced in recent releases. We highly recommend anyone running a v20.3 or v21.0 release to upgrade ASAP to v21.1.16.

NOTE: DP2 ships with sample data which is occasionally updated (new sample images and subject info, new sample products, sample orders, etc.). The old sample data is overridden with the new data when this happens. If you've made changes to the old sample data, your changes will be overwritten.

NOTE: This version of DP2 requires Windows 7 or later. If you need to install on an older platform submit a help request through service desk.

General Enhancements

- Added GetFileContents() into the macro assistant

- Added even more shortcut keys for Adjust Images (see the previous v21.1 changes below for details on the other shortcut keys)
    - Export Images => Ctrl+E
    - Copy Balance => F8
    - Paste Balance => F9

- [This feature is currently in beta] Added the ability to trigger events for each subject when doing an order export

Bug Fixes

- Fixed a problem where the content (the body) is being stripped out of emails sent from DP2 (the emails were going out blank)

- Fixed a problem where using long paths with a layout could cause a crash

Cumulative from v21.0.37 to v21.1.11

NOTE: This version has some significant fixes to crashes introduced in recent releases. We highly recommend anyone running a v20.3 or v21.0 release to upgrade ASAP to v21.1.11.

NOTE: This version has updated sample data (new sample images and subject info, new sample products, sample orders, etc.). The old sample data is overridden with the new data. If you've made changes to the old sample data, your changes will be overwritten!

NOTE: This version of DP2 requires Windows 7 or later. If you need to install on an older platform submit a help request through service desk.

General Enhancements

- The DP2 installer now attempts to confirm various prerequisite components installed have been installed successfully, and if it suspects they were not it alerts the user. We've seen many cases where DP2 failed to install these Microsoft libraries. The issue is generally that the machine has fallen out of date with respect to Microsoft's updates. If you see messages about missing DLL's when you launch DP2, this is likely the problem. The solution is to bring the machine up to date with Microsoft updates and then re-run the DP2 installer.

- The relative image crop tool now has a dropdown for selecting specific nodes to save a crop to. (Previously, the crop was only able to be saved to the first node.)

- Added a great deal of capability for controlling the crop and head alignment box colors. The colors can be specified through RGB values or with a color picker and there is support for temporary and retained settings as well. See the DP2 help for details.

- The choice for what color the grid is displayed in can now be saved (it's sticky)

- Added more shortcut keys for Adjust Images. These also work for the Images window (if it is open) and the Manage Images window (if it is open, and the Images window is not).
  - o Copy Crop => F10
  - o Paste Crop => F11
  - o Clear Crop => F12
  - o Retouch => Control and R
  - o Zoom in on thumbnails within 'Order Images' => Control and +
  - o Zoom out on thumbnails within 'Order Images' = Control and -
  - o Select ALL => Control and A
  - o Deselect ALL => Shift and Control and A

- Added the ability to submit work from Manage Images to a Remote Worker Queue

- Added an example event handler to run all the items of certain products on an order. (This is one way of accomplishing an "Auto Run" solution for triggering certain orderitems to render when an event occurs such as order received.)

- Added a new Event tab to the Product Info dialog to trigger an event upon completion of rending an orderItem

- Added a feature to the Event Manager that allows an action to be delayed from running some amount of time after it has been triggered. There is now a "When" column in the Event Manager which can be filled in with the number of seconds the action should be held off before being executed. (An example usage of this would be to delay sending an email for an hour after the event was triggered.)

- Added the ability to trigger an event when a Yearbook export occurs (set on the Output tab)

- The Set Status window can now be collapsed/un-collapsed using a new chevron control or Alt-Z

- Made a speed improvement when multiple calls to the AdjacentOrderItemNodeValue() macro are made

- Allowed for customers to expand their BackgroundIDForImage database field beyond the previously supported 127 characters. (The DP2 buffer is now 1024.)

- Added a new macro modifier called AppendUnlessNull(aString) which will append a string to the macro result unless the macro result was null

- Added a new macro called SubjectRowNumberForNode(Node,OrderByFields) that can return a row number in the subject info based on an order by clause. It's in the Lookup category of the macro assistant.

- Analyzer, Export Images, and Yearbook Export now create job paths with .txt on the end of it

Bug Fixes

- Cleaned up some stuff with the KASampleOrder relative to the Customer Background, Background ID, and Path columns

- Fixed a problem where the KASampleOrder was unable to run a yearbook export

- Fixed a bug splitting full paths into directories, filenames, and extensions that sometimes caused the application to crash

- Fixed a bug with the orders window where "Trigger Order Event for selected orders" would show all events instead of just the enabled events

- Fixed a problem where incorrect script calls to FormatStringArgs (or any translations) could cause crashes or undefined behavior if an incorrect number of variable parameters were passed in

- Fixed a bug where long emails could crash the application

- Fixed a bug where WorkData was not available during the parsing of email to send

- Fixed a bug where sending an image as an email attachment kept the image file held open

Cumulative from v21.0.34 to v21.0.36

NOTE: This version has updated sample data (new sample images and subject info, new sample products, sample orders, etc.). The old sample data is overridden with the new data. If you've made changes to the old sample data, your changes will be overwritten!

NOTE: This version of DP2 requires Windows 7 or later. If you need to install on an older platform submit a help request through service desk.

NOTE: This version of DP2 was not validated to be compliant with KC2. The last version of DP2 validated to be compatible with KC2 was v20.2.19.

General Enhancements

- When using a Staff Row, nodes are now checked for any non-white space data before determining if they should be hidden or not. Previously, if a text node contained no useful data after resolving all the macros but still contained a space character, for example, that node would not be hidden. (Note the special DP2 "join lines" character is considered white space for this as well.)

Bug Fixes

- Fixed an intermittent problem with upgrades where certain directories did not update properly (often this was the scripts folder).

- Fixed an intermittent problem where bringing up the Manage Images window could display a javascript error (typically when the machine was under heavy load).

Cumulative from v20.3.114 to v21.0.33

NOTE: This version has updated sample data (new sample images and subject info, new sample products, sample orders, etc.). The old sample data is overridden with the new data. If you've made changes to the old sample data, your changes will be overwritten!

NOTE: This version of DP2 requires Windows 7 or later. If you need to install on an older platform submit a help request through service desk.

NOTE: This version of DP2 was not validated to be compliant with KC2. The last version of DP2 validated to be compatible with KC2 was v20.2.19.

General Enhancements

- There are many significant improvements to Composites:
    - The new Composite Layout Helper allows you to visually & quickly design composites with backgrounds, students, staff, title, and other graphics
    - Design single composites or a series of composites based on the same design for any range of number of students. One (or more) staff rows can be defined separately from students.
    - Image and text size is automatically scaled. Control the layout by defining reserved areas with placeholders.
    - Composite population is supported with full access to macro's and subject information
    - Composite designs created in the DP2 Pattern Editor are compatible with the new Composite Layout Helper
    - Composite Job Generator allows specifying an additional keyword-value pair for named nodes
    - The Sample School Data included in the DP2 package has been expanded and a sample composite layout collection using the new layout method has been added

- Added ability to draw outlines around all of a calendar's "day boxes" even if that day doesn't occur in that month

- Added the ability to (programmatically) copy and modify an Order Item by way of optional parameters on the call

- The crop tool was enhanced so that holding the shift key will flip a locked aspect ratio to its opposite (so a 10x8 box flips to an 8x10 box)

- Added hot keys to copy, paste, and reset the crop (F10, F11, and F12) from the Images window

- Added hot keys to copy and paste the balance (F8, F9) from the Images window

- Added a SaveFileType choice to Export Order Items which will preserve the original file type of the SaveImage in the OrderItem

- Added the ability to edit the PostProcess keyword through the image node properties dialog (Coords tab)

- There are new calls for InsertProductIntoNode(), InsertOrderItemIntoNode(), InsertPathIntoNode() in Macros.txt. These are helpful for including an entire layout into the node of another layout. (This is somewhat like the dragging a layout into another layout's node and choose one of the "Copy Into…" menu choices, but better.)

- Added a new macro lookup a Subject field if two other fields are not null: IfBothSubjectFields(Node,FirstFieldName,SecondFieldName,ResultFieldName)

- Added a new field on the Composite Job Generator to allow specifying an additional keyword and value for named nodes (for example, PostProcess)

- Added a hot key to to Check/Uncheck the last correction (the letter "O") from Adjust Images

- Add a custom OnKeyDown hook into Adjust Images to make it easier for labs to fine tune custom hot keys

- Added logging of the CreationDate when files are dragged onto the cmd importer window

- Added SetKeywordForNode(1,Keyword,`Value`) to the Macro Assistant (for keywords that cannot take a string as an argument)

- Updated the sample school data and sample composite layout collection included in the DP2 package

- We've updated our DP2 development environment to ensure access to newer development toolsets and future compatibility with OS's and 3rd party libraries

Bug Fixes

- Fixed some problems with the Create New Product dialog where it wasn't generating and using paths correctly.

- Fixed some bugs that had to do with returning proper text descriptions on database errors

- Fixed a problem where creating a new style from the Products window was not setting style type correctly

- Fixed a problem with the macro "PkgProductsOrderedForSubject" not handling a program id of "*" correctly

- Fixed a problem in the Composite Job Generator where the Add buttons fails if there were no records defined