DP2 Cumulative Changes up to v21.1.11

This document lists the fixes, changes, and/or enhancements found in each build of DP2 version 21.1.

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 The issue is generally that the machine has fallen out of date with respect to Microsoft's updates.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).
    - Copy Crop => F10
    - Paste Crop => F11
    - Clear Crop => F12
    - Retouch => Control and R
    - Zoom in on thumbnails within 'Order Images' => Control and +
    - Zoom out on thumbnails within 'Order Images' = Control and -
    - 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

Cumulative from v20.3.100 to 20.3.113

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.

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General Enhancements

- Changed the pattern editor's Open button to default to the Patterns directory

- Improved the way dropdowns from gridviews that display an unfiltered list of items work. This significantly improves the usability of those dropdown when they list a large number (i.e. thousands) of items.

- Provide macros for workers to be able to access the data field in the work queue

- Added a built-in Action to update any field in an Order

- Created a sample email template for sending printer failure notifications in a text message friendly format

- Changed the default timeout for sending email from 20 to 100 seconds to better accommodate large emails (such as emails with attachments)

- Added a warning to the provided generic email templates encouraging the lab to make copies of the samples instead of editing and using them directly. (Changing and using the provided samples is not recommended! They can be over written during future installs of DP2.)

- Created a new built-in action for handling zipping and deletion of images generated after exporting images

- Enabled the Save As button in the HTML previewer

- Made improvements to the handling of certain jpeg files with header errors (jpeg files that aren't strictly compliant to the spec due to errors in the header). Improved the retry and failover mechanism (including removing some memory leaks).

- Added routines to cmds.txt for modifying an existing Order Item (EditOrderItemJob() and EditOrderItemJobsForOrder())

- Changed "Failure()" in Cmds.txt so it percolates error messages up to the work queue when running in a worker

- Made several improvements to the DP2 help around HTML templates, text messages, printer errors, and notification handling in general.

Bug Fixes

- Fixed an error when creating a new email template from the Test -> Send Email window

- Fixed a problem in Send Mail from a work queue item where the data field is empty

- Fixed a problem where the HTML Assistant documentation web page was not "selecting" properly in certain browsers

- Fixed a problem where View Order Images for an order could return images from null orders

- Fixed a problem where in certain OS and network configurations the DP2 installer doesn't update all the files. This looks to be related to a file/directory permission issue and is usually seen with the Scripts folder in the shared directory. The installer now uses a slightly different mechanism that is more tolerant of permission problems.

- Changed GetGenConAsXML() to remove tildes from the data. We saw a case where a customer had this and it caused issues capturing the XML for a gencon for an event.

Cumulative from v20.3.87 to 20.3.99

General Enhancements

- Added new built-in Events that are triggered automatically by printer errors. (PrinterBatchError and PrinterResponseError). There is also a new sample email template included for this, plus a new built-in Action that can be registered to the new events which will send the printer error email.

- Added a few general email improvements to handle multiple recipients on To, CC, or BCC's as well as the ability to send attachments.

- Added several things to facilitate sending emails as text messages. There's a new Generic Text Message Sample template that shows using a non-HTML based email as well as a new "Is Text" column on the Email Templates table that can be used to achieve cleaner looking text messages being delivered through most providers. Also included is a new Text Messages tab on the Email Manager to provide some guidance.

- Added a check at startup to confirm the workstation's Shared Directory setting matches the server's setting. Intermittent issues can be caused when multiple workstations use different paths (or UNC's) even if they actually resolve to the same directory. This new check will present a warning if the server and workstation don't match. (The correct way to setup DP2 is to have all workstations and the server to use exactly the same Shared Directory setting.) Also, on startup the workstation will log its current setting for the Shared Directory to the workstation settings table, providing an easy place to see if some workstations seem to be mis-configured.

- Improved the URL Parameter parsing in the HTML Preview window for Email Templates. It will now deduce more things (like CustomerID) instead of requiring them to be entered manually.

- Added Edit Data and Load Data buttons to the Remote Work Queue (and fixed a problem with the Debug button).

- Added tooltips to the Debugger's Step buttons

- Removed the automatic creation of the "rDP2" Work Queue (wasn't breaking anything, and it won't delete it if it is already there – but it was causing confusion when it kept being created).

Bug Fixes

- Fixed an un-initialized memory read problem in the KPL parser. (It had been there for a long time, was pretty obscure to get to, but did cause a problem when creating new email actions for an event when running a VS2017 build of DP2).

- Fixed a problem where the Export Images Setup wasn't handling a blank EventID properly.

- Removed Group Picture from the task list. (That functionality had been removed earlier, but this task list button was overlooked.)

- Fixed a problem with "Remove KC2 Templates From ...." in the DP2 Email Templates window. It was displaying "Not Implemented".

- Fixed a problem where "View Images for This Product" wasn't working correctly for composites and packages.