DP2 Cumulative Changes up to v21.0.33

This document lists the fixes, changes, and/or enhancements found in each build of DP2 version 20.3.

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.

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 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.