CentricSoftware™

Centric 8 Version 6.0
Service Pack 2 (SP2)

CentricSoftware™

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1. Summary

Centric 8 version 6.0 Service Pack 2 (SP2) includes all previously released updates for Centric 8 version 6.0. It has new features, general performance improvements and fixes for several issues reported in the field by our customers.

Version Number	
Centric 8	6.0 SP2 – C8_60_17MAY2017_cfaa685

2. New Features / Enhancements

Feature	Description
CENTRIC 8 BASE	Column Filters on Date/Time Attributes
	Sample create form supports custom quantity input
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2.1 CENTRIC 8 BASE

▪ **Column Filters on Date/Time Attributes**

Business Case

The most effective and easiest to use queries for attributes of types "**Date**" and "**Time**" are ranges. Many users prefer using ad-hoc column filters over defining filters for the custom view, so C8 has been enhanced to support easy range filters on all attributes of type "**Date**" and "**Time**".

Feature Description

The user interface for ad-hoc column filters has been enhanced to present a simple range query for attributes of type Time. The UI for selecting the range varies as described below. Note that attributes users would identify as "dates" are "time" attributes displayed as dates.

1. If attribute display format is date, then the range is specified using dates.

2. If attribute display format is time, then the range is specified using date and time range is enabled only if querying for a specific date.

3. If attribute value is always in the past (Created At, Modified At) then convenience ranges like "today", "past week", and "past month" are available.

Configuration

As covered above, the UI options for selecting the query range depend on the attribute format. The third option with convenience ranges like "past week" and "past month" is not available on custom time attributes.

▪ **Sample create form supports custom quantity input**

Business Case

User's often require samples in a mix of colors and sizes for reviews, but do not need a sample for every single combination. A matrix provides the most efficient way to quickly enter these quantities into C8 for combinations such as:

- Every color represented for fabric/wash review

	XS	S	M	L	XL	XXL
red	1					
yellow		1				
pink			1			
green				1		
purple					1	
orange						1
blue	1					

- Every size represented to approve the grading and fit across the full size range.

	XXS	XS	S	M	L	XL	XXL
red	1			1			1
yellow		1			1		
pink			1			1	

- Every 2nd size is requested (Ex: Jump Size set or production audit)

	XXS	XS	S	M	L	XL	XXL
red		1		1		1	

Feature Description

The 6.0 release revised the sample create form to a multi-select list, to better support sample creation due to the large number of sizes that can exist in a two-dimensional size range. However, this simple input method did not provide the necessary flexibility required for random sample creation. A new option **Show Quantity Matrix** is available when creating samples for colors, sizes or colors and sizes. The option is available only on the style samples table, supplier request sample table, and size chart evaluation sample creation form.

- **PDF/Print Auto-scaling to fit page width**

Business Case

A common objective for most data sheet and data package PDF output from C8 is to minimize the number of sheets of paper needed to represent each data sheet. In release 6.0 the ability to automatically paginate wide tables was introduced to overcome limitations in PDF/print of very wide tables but refinement was needed to satisfy the minimal number of sheets objective.

Feature Overview

A new custom view option "Auto-scale to Page Width" has been added to the **Options** tab under the **Print Options** section. The initial value is TRUE and this means the system will automatically reduce the scale of a table from 100% down to 60% to fit it to one page width.

The **Auto-scale to Page Width** option is available on custom views for table views and composite views ("TDS" views are a common composite view).

When you use the toolbar print action on a View toolbar, the actual scale used is displayed above the print view.

Feature Behavior

Behavior for a single table view is straightforward. The system will start at 100% scale and try to fit the table contents into the page width. The scale is gradually reduced until the table fits or the minimum scale is reached. When the table does not fit the page width at minimum scale then horizontal paging is introduced – at the minimum scale.

Behavior for a composite view is more complex. The system will evaluate all tables in the composite view to determine the minimum scale to fit the page width. That scale will then be applied to all table views and properties views in the composite view. Gallery views and canvas pages are not scaled. If the multiple views of a composite view fit the page width then the system will not insert page breaks between the views, adding page breaks naturally as needed

to accommodate the amount of data. However, if a table needs multiple horizontal pages then a page break will be inserted before and after the table.

Behavior of horizontal pagination of tables remains as introduced in 6.0, with the addition of optional scaling. As mentioned above, when auto-scale to page width is enabled then the system will first scale down to the minimum scale and then paginate the table columns. Assuming the objective is to minimize pages, scaling down before paginating makes sense. It is recommended to use the "Freeze Columns" option to determine repeated columns for wide tables. It helps for on-screen readability as well as PDF/print readability. Note that on the last horizontal page needed for a table, the table contents will expand to fill the page width. We realize this looks unnatural and are working on making the last page look more natural.

Configuration

This feature has many configuration controls – most of them on the custom view and one API.

Custom view configuration controls are:

1. **Auto-scale to Page Width:** Boolean with initial value of true. Behavior described above.

2. **Freeze Columns:** This remains as it was in the 6.0 release. When a table will not fit the page width then it is automatically paginated horizontally and the frozen columns are repeated on each page. Using a value of "0" means no columns will be repeated. You can set up to 8 columns to be repeated on each page.

3. **Paper Size and Orientation:** This remains as it was in the 6.0 release. Default Paper Size and Default Paper Orientation fields can be set at the site level on the Company tab under Setup and will be used for PDF and printing except where custom views specify a different paper size or orientation.

4. **Image Size / Image Width and Height:**

    - Image size selected as Small, Medium, Large, etc are not scaled as the table is scaled.
    - Image size set as pixel height and width is scaled as the table is scaled.

The custom view option to set image size as pixel height and width was introduced for printing. It results in predicable cell size for images. Our recommendation is to use image pixel height and width for print views:

Method: setMinimumFontScaling (min)

This method sets the minimum scale allowed to be applied to fonts in table views when "Auto-scale to Page Width" is true. The algorithm that does the scaling has a default minimum scale of 0.6 and you can change that with this method.

arguments:

min: the minimum scale that printing logic can scale a table view.

Valid value is 0.01 - 1. There is no validation of the argument value.

- **On-screen styling vs. PDF/print styling:**

Business Case

The UI refresh introduced in 6.0 provides more padding around attributes in properties views and table views. While this enhances readability on screen, it contradicts the objective to minimize the number of sheets of paper needed to represent each data sheet. Styling differences between on-screen layout and PDF/print layout have been introduced to reduce the space used on paper.

Feature Description

PDF/print-specific styling has been introduced to reduce the padding around text in table cells, around text in properties views. Font colors used for PDF/print are darker than on-screen font colors.

- **PDF Service Fonts**

Business Case

The style data package is vital for communication with factories in different countries. The introduction of auto-scale to fit page width creates challenges with Chinese, Japanese, and Korean characters (logograms).

Feature Description

To address readability issues with scaled down logograms in PDF files, the application now specifies several readily available fonts to be used when generating PDF files. By specifying additional fonts, the application prevents unexpected and unreadable fonts from being used. The font list specified is Centric8, Helvetica, SimSun.

- **SKU Create - handling of duplicates**

Business Case

A style or material can have many colors and/or sizes, and thus many SKUs. When a color is added to a Style with many color/sizes and SKUs it is important to create new SKUs without duplicates (defined as same color and size) to cover all colors and sizes. C8 6.0 does this automatically when you select all colors and sizes. However, when you have a style or material that does not support colors or sizes, users should be able to easily create duplicate SKUs.

Feature Description

The 6.0 feature to automatically create SKUs without duplicates has been refined to work differently for styles and materials of types that do not support color or size. In this case, the system will create a SKU every time a user requests one, without checking for color/size uniqueness.

- **Column Filters on Boolean Attributes**

Business Case

As the amount of data on a C8 site gets very large, searches must be optimized wherever possible.

Feature Description

The user interface for ad-hoc column filters on Boolean attributes has been changed to present the filter values faster. Since Boolean attributes have a simple set of legal values the system will present all possible values without counts when a view is in suspend mode or when the table result size exceeds the maximum result size. The possible values are: True, False, Blanks, and Non Blanks.

- **UI framework: create new function hasGlobalRole**

Business Case

In most situations where the client is checking for roles the current user has, it is sufficient to check for global assignments.

Feature Description

A new function, **hasGlobalRole** is available to C8 Administrators to assign Global Role. This new function will replace the **hasRole** function, which is a contextual roles assignment.

Configuration

Wherever possible, in the **site.xml**, replace **hasRole** with **hasGlobalRole**.

2.2 PRODUCT SPECIFICATION

- **BOM tracking: Do not display colorway if hide flag is set**

Business Case

Hide option is used for BOM lines when a Part Material row does not apply to a particular colorway. When these rows with "hidden", data are displayed on the tracking or placements reports, it is confusing to users. This information should also be hidden in these views so as not to confuse the end user.

Feature Description

A filter option has been added to the custom view options for BOM Tracking and Hierarchy Placements views.
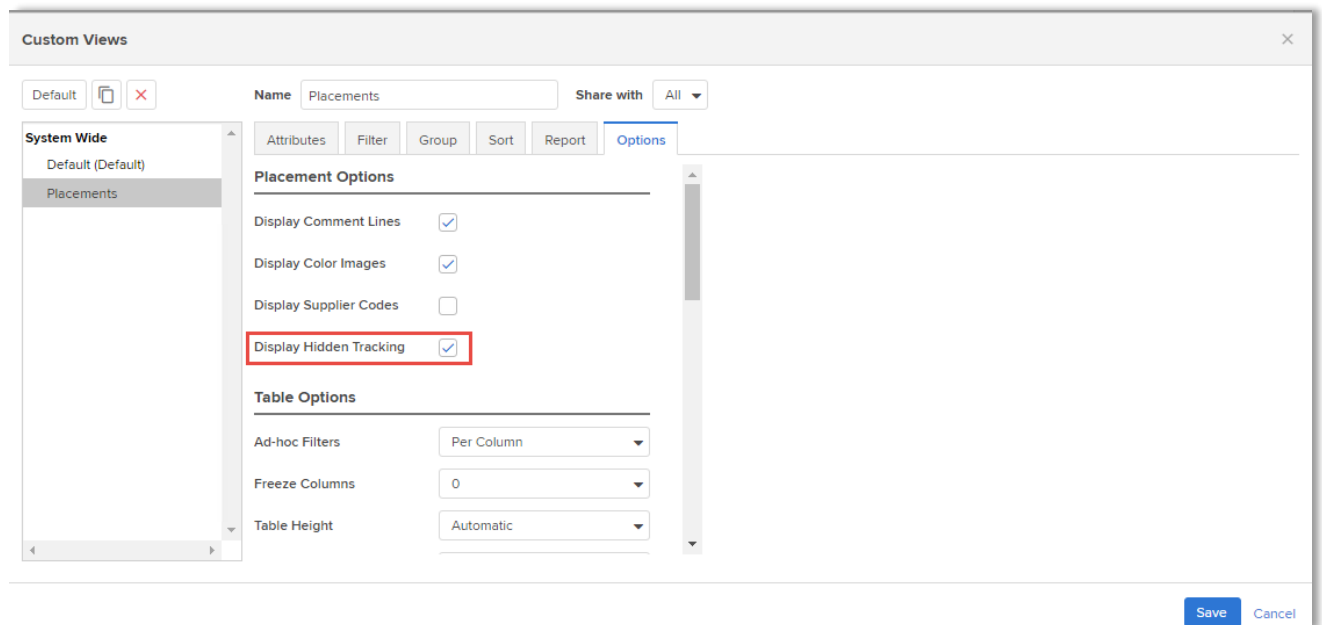
2.3 SOURCING

▪ **Defer security validation on Supplier Quote state changes**

Business Case

As the amount of data on C8 sites gets very large, we are changing from up-front complex logic for determining available actions to deferring the logic, until the user needs it.

Feature Description

The determination of allowable state changes for a supplier quote depends on the current state and the user's security assignments. With the complex security requirements for hybrid supplier and portal suppliers the security check is expensive. Now instead of making that calculation on every supplier quote in a table view, the system waits until the user selects a state on Quote before determining if it is a legal state change. If it is not legal then an informative message is presented to the user.

The following is an example of the user not having permission to approve a Supplier Quote.

2.4 CENTRIC REST API

▪ **Centric Rest API V2**

Feature Description

The Centric REST API provides programmatic access to Centric data (domain objects) using standard HTTP URI. This will enable our customers to easily access Centric data from custom applications and design automated near real time integration with external enterprise systems.

The Centric 8 REST API V2 is based on the HTTP open standard and all communication happens through standard HTTP request and response. The API will allow CRUD (Create Read Update Delete) operations on the Centric 8 domain objects by invoking the API using HTTP **POST**, **GET**, **PUT** and **DELETE** request methods as per Centric 8 authentication and authorized role definition.

The summary of REST API V2 capability is given in the table below:

#	REST Endpoint	Capability
1	Apparel BOM	Create, Read, Update, Delete
2	ApparelBOMRevision	Read, Update
3	ApparelBOMSubtype	Read
4	ApparelDimension	Read
5	Category1	Create, Read, Update, Delete
6	Category2	Create, Read, Update, Delete
7	Collection	Create, Read, Update, Delete
8	ColorMaterial	Create, Read, Update, Delete
9	ColorSpecification	Create, Read, Update, Delete
10	Colorway	Create, Read, Update, Delete
11	Composition	Create, Read, Update, Delete
12	DataPackageTemplate	Read
13	DSLineDivider	Create, Read, Update, Delete
14	EnumList	Read
15	EnumValue	Read
16	Factory	Create, Read, Update, Delete
17	Image	Read, Update
18	Issue	Create, Read, Update, Delete
19	Material	Create, Read, Update, Delete
20	MaterialBOM	Create, Read, Update, Delete
21	MaterialBOMRevision	Read, Update
22	MaterialBOMSubtype	Read
23	MaterialComposition	Create, Read, Update, Delete
24	MaterialSample	Create, Read, Update, Delete
25	MaterialType	Read
26	PartMaterial	Create, Read, Update, Delete
27	PartMaterialVariation	Create, Read, Update, Delete
28	ProductSize	Create, Read, Update, Delete

29	ProductSource	Create, Read, Update, Delete
30	Sample	Create, Read, Update, Delete
31	Season	Create, Read, Update, Delete
32	Session	Create, Read, Delete
33	Shape	Create, Read, Update, Delete
34	ShapeMaster	Read, Update
35	SizeRange	Create, Read, Update, Delete
36	SizeSpec	Create, Read, Update, Delete
37	SKU	Create, Read, Update, Delete
38	SKUMaterial	Create, Read, Update, Delete
39	SpecDataSheetSubtyp	Read
40	SpecLibraryItem	Read
41	SRLineItem	Create, Read, Update, Delete
42	Style	Create, Read, Update, Delete
43	StyleType	Read
44	Supplier	Create, Read, Update, Delete
45	SupplierDiscount	Create, Read, Update, Delete
46	SupplierItem	Create, Read, Update, Delete
47	SupplierItemRevision	Read, Update
48	SupplierRequest	Create, Read, Update, Delete
49	SupplierRequestTemp	Read
50	User	Read
51	Version	Read

Deprecation notice for REST API V1

We are deprecating the Centric V1 REST API and replacing it with better, faster and secured Centric REST V2 API. If you have designed any custom application by using V1 API, then please make the necessary changes in your code to use the V2 API endpoints. The V1 API will be retired from July 2017.

3. Bug Fix List

This release includes the following bug fixes:

#	SF/DE Number	Title	Description
1	C8-1302	Issue related to multiple server request on mouse-over of **Supplier Quote** column in the Placements view	When the users mouse-over on **Supplier Quote** column, multiple server requests were generated. This issue is now resolved.
2	C8-1291	Issue related to **New Supplier Request** dialog box when creating a New supplier request	At the time of creating a new supplier request, the **New Supplier Request** dialog box continued to remain Open even on selection of the **Finish** button. This issue is now resolved.

#	SF/DE Number	Title	Description
3	C8-1223	Issue related to Custom View in **Style BOM**	When the users create a custom view in a **Style BOM**, hidden values were loading in the background. This is resolved now.
4	C8- 581/ SF21398	Filter results in a table displays incorrect values when grouping is set	When users try to filter a value in a table with grouping, the results for the filter did not display correct values in the table. This issue is now resolved.
5	C8– 1168 / SF22170	In the **New Supplier request** dialog box a vertical scroll bar is displayed irrespective of the filter set in the custom view	When users try to select a **Supplier Name**, in the **New Supplier Request** dialog box while creating a Supplier Request, a vertical scroll bar was displayed after filter was set in the Custom View. This issue is fixed now.
6	C8-200	Issue related to display of file name, on-click of **Download all of Data Package** button for a Supplier Request.	On-click of **Download all of Data Package** for a Supplier Request, the downloaded file name was not displayed as expected. This issue occurred when the node name for the Supplier Request contained Chinese characters and symbols. This issue is now resolved.
7	C8-202	Issue related to display of PDF file name	The file name of the pdf when generating a pdf for technical data sheets was defaulting to a single number. This issue is now resolved.
8	C8-854	Centric 8 application did not work as expected when users click on the Ai file on **Style ▸ Docs & Comments** tab.	On the **Style ▸ Docs & Comments** tab, on uploading an Ai file and on navigating to different tabs the application displayed a blank screen without any data. This issue is now resolved.
9	C8-877	Issue related to **New from Template** action at the Style level on **Specification ▸ Specs** tab.	At the Style level on **Specification ▸ Specs** tab, the **New from Template** action did not display site level Spec Template data. This issue is now resolved.
10	C8-918	Attributes were editable when **Restrict Edit Flag** was set to **TRUE**	When users created a new attribute by setting the **Restrict Edit** flag = **TRUE** for a Style Business Object, the attribute was editable at Style level in the application. This issue is now resolved.
11	C8-1025 / SF22090	Issue related to display of values in Pie Charts	The Pie Charts in the application displayed counted values instead of percentage values. This issue is now resolved.
12	C8-1123	Issue related to Milestone tab, **Task Status** column filter in the WBS Milestone Report.	On the **Schedule ▸ Milestone Report** tab at the collection level, the Milestone **Task Status** column filter did not work as expected in the WBS Milestone Report. This issue is now resolved.
13	C8-1127	Issue related to display of **Next** button in the **New from Sales** order window	On the **Home ▸ Sourcing ▸ Supplier PO ▸ Supplier PO** tab, for the **New from Sales Order** action, **Next** button was disabled in the **New from Sales Order** window. This issue is now resolved.

#	SF/DE Number	Title	Description
14	C8-1202	Issue related to Sample creation form for a Material Supplier Request	On a Material Supplier Request with one supplier and two materials (each material having colors and sizes) it was not possible to create samples when both materials were selected. Similarly, on the same Supplier Request when users selected one Material, or one product (retaining Color and Size), or one product and one color, or one product and one size, no samples were created. These issues are now resolved.
15	C8-753	Issue related to **Select Set PDF** generation	When users opened a Select Set for a Material/Style and the **Generate Merged PDF** action did not result in the generated PDF being opened in a new tab. On the **PDF Queue** tab, the child requests were successful, but the parent request displayed a message "Awaiting for Sub-requests" for a long time. This issue is now resolved.
16	C8-919	Issue related to display of data in a table view	When users added columns after matrices, in a table with over many columns and when report was present, the data in the table shifted down and did not display as expected. This issue is now resolved.
17	C8-1289	Issue related to display of data when the **Suspend** option was de-selected for the custom view having **Page Suspend** and **Show Count on Suspend** selected	On the **Setup ▶ Configuration ▶ Business Objects** tab, when users created a custom view selecting the **Page Suspend** and **Show Count on Suspend** check boxes and de-selecting the **Suspend** option in a table toolbar, data in the table was not displayed to the user. This issue is now resolved.
18	C8-1316	Issue related to display of check box for selection in the **Image Labels** drop-down list on the **Style ▶ Properties** tab**.**	On the **Style ▶ Properties** tab, in the **Image Labels** drop-down list, the check box for selection of the Image Labels was not displayed for the users. This issue is now resolved.
19	C8-1226 / SF22614	Issue related to display of **All** button in the **Search** bar	On the **Setup ▶ User Management ▶ Search** tab, on de-selecting the **Season** attribute from the Managed Role resulted in the non-display of the **All** button when searching in the **Search** bar on Style. This issue is now resolved.
20	C8-1317 / SF22268	Issue related to display of Material Supplier Quote name	At the time of creating a new Material **Supplier Quote**, the user defined **Supplier Quote** name was replaced with the selected **Supplier** name. This issue is now resolved.
21	C8-1332 / SF22312	Issue related to display of Enum attribute values.	When users created a Enum attribute and defined data for the Enum attribute in a creation form, the created data was not being saved. This issue is now resolved.

#	SF/DE Number	Title	Description
22	C8-1349 / SF22345	In the MerchPlan, attributes were not copied from previous season using the Copy process.	**New from Product** option in MerchPlan did not copy values of custom attributes from one season to another. This issue is now resolved.
23	C8-1355 / SF22209	Issue related to deletion of images in the canvas using **Delete** key on Apple Mac	The **Delete** key on Apple MAC books and MAC Desktops/Apple keyboards was not working when deleting images in the canvas. This issue is now resolved.
24	C8-1424	Issue related to scroll on **Size Chart ▸ TDS ▸ Evaluation** table	On the **Size Chart ▸ TDS ▸ Evaluation** table, on entering values, the screen did not scroll as expected. This issue is now resolved.
25	C8-1434	Issue related to the display of Style image from Styles table	For a Style with multiple images, on-click displayed only the default image in the Image viewer. This issue is now resolved.
26	C8-1437	Issue related to the display of error messages when creating a new **Slice Store** or **Export Batch**.	When users tried to create a new Slicer Store from **Setup ▸ Service ▸ Slicer Stores** tab or an Export Batch from **Setup ▸ Service ▸ Export/Import** tab, an error message was displayed. This issue is now resolved.
27	C8-1476	Issue related to creation of Size Spec on PartMaterial	When users created a Size Spec on PartMaterial, it got attached to the material as a ProductColor. This issue is now resolved.
28	C8-1485 / SF22447	Issue related to addition of Styles to Shape	Users experienced long response time when adding Styles to Shape. This issue is now resolved.
29	C8-1486	Issue related to Library filter functionality	On **Home ▸ Specification ▸ Libraries** tab, the **Attribute Id Node Type** filter did not work as expected. This issue is now resolved.
30	C8-1526	Issue related to display of values in **Availability** table in the **Edit Exceptions** dialog box.	In the **Edit Exceptions** dialog box, the values under **Availability** table were not displayed as expected. This issue is now resolved.
31	C8-1563	Issue related to **Paste** operation of Shape Size Chart.	For a Shape Size Chart, users were not able to create special dimensions during Size Chart paste operation. This issue is now resolved.
32	C8-1571	Issue related to **Prune** option for the Style Data Sheet	On **Setup ▸ Service ▸ Prune** tab, when users created a Prune Option with "Delete Data Sheet Revisions According to Prune options" set to TRUE, all the revisions of the Style Data Sheets under the selected Season did not prune as expected. This issue is now resolved.
33	C8-1572	Issue related to display of .ai file from direct edit	When users uploaded an .ai file on the **Docs & Comments** tab for a style and tried to open the .ai file in illustrator, an error message was displayed to the users. This issue is now resolved.
34	C8-1575	Issue related to display of Hierarchy Attributes data point	Hierarchy Attributes data point did not display on Hierarchy table views, Properties views and across All Styles tabs. This issue is now resolved.

#	SF/DE Number	Title	Description
35	C8-1577	Sourcing Availability BOM validation did not work as expected	When users created Material Supplier Quote with colors and size for Quote and de-selected the **Availability** option on **Material ▶ Sourcing ▶ Availability** tab, on validating the BOM, the expected Validation Status was not being displayed. This issue is now resolved.
36	C8-1581	Issue related to display of error message while editing the custom attributes of type stringmap / localized string	For a Season Business Object on the **Setup ▶ Configuration ▶ Business Objects** tab, creating a custom attribute of type **stringmag / localized** string with Multi-line text and Rich text, on-click of the **Edit** icon from the **Actions** column corresponding to the created custom attribute displayed an error message. This issue is now resolved.
37	C8-1632	Issue related to deselection of PartMaterials for a BOM composition	For a BOM composition, users were able to select PartMaterials but, were not able to de-select it. This issue is now resolved.
38	C8-1644	Issue related to formatting of text in Canvas editor	In the Canvas editor, when there was a CRLF after the text data, the text appeared misaligned in the main **Canvas** tab. This issue is now resolved.
39	C8-1681	Issue related to Manage attribute flag for a BOM placement	When users created a Special BOM placement and promoted the Special to Material, the promoted material was not managed as expected. This issue is now resolved.
40	C8-1684	Issue related to display of **Save** and **Cancel** buttons on the Email dialog box.	When users copied, and pasted a paragraph in the **Email** dialog box, the **Save** and **Cancel** buttons were not displayed to the user. This issue is now resolved.
41	C8-1742	Issue related to **PartMaterialTracking.TrackingColor**	On the **Style BOM ▶ Placements** tab, when users reset color (common) or colorway matrix color, the **PartMaterialTracking.TrackingColor** did not reset as expected on the **Style BOM ▶ Tracking** tab. This issue is now resolved.
42	C8-1761	Issue related to display of a frozen table	On horizontal scroll on a frozen table, users experienced flickering issues. This issue is now resolved.
43	RST-334	Issue related to Supplier Request failure	Supplier Request failed the Create (POST) and Update (POST) tests. This issue is now resolved.
44	C8-1944	Issue related to display of Non-blank value on **Setup ▶ Configuration ▶ Business Objects** tab.	On **Setup ▶ Configuration ▶ Business Objects** tab, in the **Enabled** column, the Non-blanks count value was displayed as "0". This issue is now resolved.
45	C8-1868	Issue related to display of newly created Optional Attribute to Merchandise Secondary Version Business Object	Newly added Optional Attribute to **"Merchandise Secondary Version"** Business

#	SF/DE Number	Title	Description
			Object was not displayed for the existing secondary node. This issue is now resolved.
46	C8-1861	Issue related to pagination for 2-D matrices	Users experienced pagination problem when using 2-D matrices in a view. This issue is now resolved.
47	C8-1844	Issue related to display of table actions on **Merch Collection ▸ Plan** tab.	When users with **Business Plan Editor** role logged on to Centric 8 application, on navigating to **Merch Collection ▸ Plan** tab, the table actions for creating a new Product were not displayed to the users. This issue is now resolved.
48	C8-1841	Issue related to Report row failure	Report row failed when number of results was more than page size. This issue is now resolved.
49	C8-1839	Issue related to display of Description for newly created Styles from Merch Product	When users created a Style from Merch Product, Description was NOT pushed to the newly created style. This issue is now resolved.
50	C8-1815	Issue related to display of Image thumbnails	Transparent image thumbnail was created with a black background. This issue is now resolved.
51	C8-1814	Issue related to display of blank spaces in Data package cover sheet print preview	Data package cover sheet print preview displayed lot of blank spaces when the message section had data in it. This issue is now resolved.
52	C8-1776	Issue related to display of **Reset** button on **Reset Operation Cost** dialog box.	On **Style ▸ Sourcing ▸ Supplier Quote ▸ Cost Scenario** tab, **Reset** button was not displayed in the **Reset Operation Cost** dialog box. This issue is now resolved.
53	C8-1735	Issue related to display of error message while selecting multiple filter values	On **Home ▸ Sourcing ▸ PO Schedule ▸ Orders** tab, on the **Division** column, when users selected multiple filter values, an error message was displayed to the users. This issue is now resolved.
54	C8-1695	Issue related to display of **Yes/No** values for questions in Factory Review	For a Factory Review, in the **Questions** table, the Response field did not display **Yes/No** values for the questions. This issue is now resolved.
55	C8-1534	Issue related to Select Sets while creating and deleting filters	When users created or deleted filters from a table view of Select Sets, users experienced UI lag. This issue is now resolved.
56	C8-1515 / SF22530	Issue related to display of Milestone report	When users navigated to **Home ▸ Schedule ▸ Milestone Report** tab, an error message was displayed to the users. This issue is now resolved.
57	C8-1490 / SF22300	Issue related to getting a Style via API	When users used the REST API instance to get a Style, error messages were displayed to users. This issue is now resolved.
58	C8-1082 / SF21778	Issue related to copy of Special material	When users tried to copy Special Materials from BOM Template, an error message was displayed to the users. This issue is now resolved.

#	SF/DE Number	Title	Description
59	C8-881	Issue related to copying of Shape to Style	Shape was not copied to the Style when **All Season** check box was selected. This issue is now resolved.
60	C8-876	Issue related to initialization of Custom View dialog on Home page	On the **Home** page, when users opened the Custom View editor, a new unnamed view was created. This issue is now resolved.
61	C8-591 / SF21717	Merch create Style action did not push Style Collection	The push expression for Style Collection used to create Style did work as expected. The **Collection** field was always empty. This issue is now resolved.

4. Upgrade Instructions

> **IMPORTANT**
>
> Service Pack upgrade involves updating of database schema procedures. This requires considerable amount of time depending on the database size. It is therefore recommended that users be prepared for the down time.

1. Stop the services on all PDF and Image Servers.

2. Stop Centric Wildfly Service, close the **Services** Window. Delete the C8 log files.

3. Backup the following before you start the installation process:

   ▪ Database

   ▪ WebAccess folder. It is critical to back up the WebAccess folder. The configuration files (**Site.js**, **Site.xml**, **Site.css**, **en.js**, and **UploadOMAndTemplates.xml**) from this backup will be needed later in the upgrade installation process.

   ▪ **Standalone.conf.bat** (found in **…\C8\Wildfly-9.0.1\bin** folder)

   ▪ If Centric 8 is using SQL database, backup **standalone-pi.mssql.xml** (found in **…\C8\Wildfly-9.0.1\standalone\configuration** folder). If Centric 8 is using Oracle database, backup **standalone-pi-oracle.xml** (found in **…\C8\Wildfly-9.0.1\standalone\configuration** folder)

   ▪ **Pi-configuration.properties** file (found in **…\C8\Wildfly-9.0.1\standalone\configuration** folder)

4. Copy the service pack code to the application and database servers. Unzip it to prepare for the installation.

5. For Dual Server Configuration, go to **Step 6**. ELSE, for Single Server Configuration, go to **Step 7**.

6. For Dual Server Configuration, follow the steps given below:

▪ **ON THE DATABASE SERVER**

> Plese verify that all the file paths that appear during the installation process are as required and are correct.

A. Close all open applications and windows on the database server. Run the C8 Server Installer as Administrator.

B. The **Welcome** dialog box is displayed. To begin installation, read the contents of the *Welcome Page* and click on **Next.** The **End User License Agreement** dialog box is displayed.

C. To accept the license agreement, read the license agreement and click on **Yes**. The **User Information** dialog box is displayed.

D. Enter your user name and company name in the corresponding **Name** and **Company** fields and click on **Next**. The **Choose Destination Location** dialog box is displayed.

E. To accept the default destination folder, click on **Next**. ELSE, to select a different destination folder, click on **Browse**. Click on **Next**. The **Install Centric 8 or Database Only** dialog box is displayed.

F. Click on **Database Only**, and click on **Next**. The **Select Database Type** dialog box is displayed.

G. Select the required Database type and click on **Next**.

H. Enter the required Database details and click on **Next**.

I. In the **Server Information** dialog box, enter the server login and password details, and click on **Next**.

J. The **Enter Centric 8 Administrator Username and Password** dialog box is displayed.

K. Enter details in the **Username, Password and Confirm Password** fields, and click on Next. The **Enter Centric 8 Database Information** dialog box is displayed.

L. Enter details in the **Username, Password and Confirm Password** fields, and click on **Next**. The **Choose New or Existing Database** dialog box is displayed.

M. Select the **Use Existing Database** option and click on **Next**.

N. To accept the default destination folder, click on **Next**. Else, to select a different destination folder, click on **Browse**. The **Select Program Folder** dialog box is displayed.

O. To use the default program folder, click on **Next**. ELSE, select a different program folder from the list under Existing Folders, and click on **Next.** The **Check Setup Information** dialog box is displayed.

P. Verify the details under **Current Settings**. To make changes, click on the **Back** button. ELSE, to continue with the installation, click on **Next**. On completion of the installation, the **Setup Complete** dialog box is displayed.

Q. Click on **Finish**.

R. For detailed instructions on Oracle, refer the "Centric 8 Installation Guide".

▪ **ON THE APPLICATION SERVER**

 Please verify that all the file paths that appear during the installation process are as required and are correct.

A. Close all open applications and windows on the application server. Run the C8 Server Installer as Administrator.

B. The **Welcome** dialog box is displayed. To begin installation, read the contents of the *Welcome Page* and click on **Next**. The **End User License Agreement** dialog box is displayed. Read the details of the license agreement and click on **Yes** to accept the License agreement. The **User Information** dialog box is displayed.

C. Enter your user name and company name in the corresponding fields, and click on **Next**. The **Choose Destination Location** dialog box is displayed.

D. To accept the default destination folder, click on Next. ELSE, to select a different destination folder, click on **Browse**. Click on **Next**. The **Install Centric 8 or Database Only** dialog box is displayed. Select **Centric 8** option and click on **Next**.

E. Click on the **Use Installed Wildfly** option and click on **Next**.

F. If you do not have the Java Development Kit (JDK) version 1.8.0_102 installed on your system, the **Choose Java Development Kit (JDK) Installation directory** dialog box will be displayed. Click on **Next**. The **Select Authentication Mode** dialog box is displayed.

G. Choose the required **Authentication** type and click on **Next**. If **LDAP Authentication** is selected, enter LDAP information and click on **Next**. Select the required **Database** type and click on **Next**.

H. Choose the **Remote Database** option and click on **Next**. Enter the **Remote Database Server** details and click on **Next**.

I.   The **Enter Centric 8 Administrator Username and Password** dialog box is displayed. Enter details in the **Password** and **Confirm Password** fields, and click on **Next**.

    Note: Ensure that the Username and Password details are not identical.

J.   The **Enter Centric 8 Database Information** dialog box is displayed. Enter details in the **Password** and **Confirm Password** fields, and click on **Next**.

K.   The **Choose Filevault Location** dialog box is displayed. Click on **Next** to accept the default destination folder or click on **Browse** and select the right location, click **Next.**

L.   The **Choose WebAccess Location** dialog box is displayed. Click on **Next** to accept the default destination folder or click on **Browse** and select the right location if the WebAccess directory has to be configured under a different directory in the same machine or shared directory in a different machine, and click **Next**.

M.   The **Enter SMTP Mail Server name and Email Address** dialog box is displayed.

N.   Enter your SMTP mail server name and email address in the corresponding fields, and click on **Next**. The **Select Program Folder** dialog box is displayed.

O.   To use the default program folder, click on **Next**. The **Check Setup Information** dialog box is displayed.

P.   Verify the details under **Current Settings**. To make changes, click on **Back**. Else, to begin installation, click on **Next**. On completion of the installation, the **Setup Complete** dialog box is displayed.

Q.   Click on **Finish**.

R.   Unzip **ApparelSiteConfigurations.zip** to **…\C8\WebAccess** folder. When prompted to overwrite, click on **OK** to overwrite the target files.

S.   Copy back **Site.js**, **Site.xml**, **Site.css**, **en.js**, and **UploadOMAndTemplates.xml** to the WebAccess folder. When prompted to overwrite, click on **OK** to overwrite the target files.

T.   If LDAP Authentication is used, ensure LDAP server information in **pi-configuration.properties** file (found in **…\C8\Wildfly-9.0.1\standalone\configuration** folder) by comparing against the backup and update the file if needed.

U.   On the Application server run the C8 Application installer as Administrator, select the **Update Configuration** option and complete the installation process.

> Compare the standalone.conf.bat file for the memory space allocated on the configuration file with the backup file. If there is a difference in the

> memory space allocated, ensure the memory space allocated is same as the backup file.

V. Start Centric Wildfly Service; ensure that there are no errors in the **pi_centric.log** file.

W. Open browser, enter below URL in Address bar
    http://SERVERNAME/WebAccess/src/OperationPage.html

    Replace SERVERNAME with C8 server name

    Copy below operation into Script window

    <Call Module="Reflection" Operation="Export2JS"/>
    Click Execute

X. Once it is completed, Log into C8 application and run **Update Configuration**.

Y. Go to **Step 8**.

7. For Single Server Configuration, follow the steps given below:

- **SINGLE SERVER CONFIGURATION**

    > Plese verify that all the file paths that appear during the installation process are as required and are correct.

    For a Single Server configuration where the application server and database server are on the same computer follow these steps:

    A. Close all open applications and windows on the application server. Run the C8 Server Installer as Administrator.

    B. The **Welcome** dialog box is displayed. To begin installation, read the contents of the Welcome Page and click on **Next**. The **End User License Agreement** dialog box is displayed.

    C. To accept the license agreement, read the license agreement and then click on **Yes**. The **User Information** dialog box is displayed.

    D. Enter your user name and company name in the corresponding **Name** and **Company** fields, and click on **Next**. The **Choose Destination Location** dialog box is displayed.

    E. To accept the default destination folder, click on **Next**. ELSE, to select a different destination folder, click on **Browse**. Click on **Next**. The **Install Centric 8 or Database Only** dialog box is displayed.

F. Select **Centric 8 (includes database)** and then click on Next.

G. The **Choose New or Existing Application Server** dialog box is displayed.

H. Click on **Use Installed Wildfly** option and click on **Next**.

I. If you do not have the Java Development Kit (JDK) version 1.8.0_102 installed on your system, the **Choose Java Development Kit (JDK) Installation directory** dialog box is displayed. Click on **Next**. The **Select Authentication Mode** dialog box is displayed.

J. Choose the required **Authentication** type and click on **Next**. If **LDAP Authentication** is selected, enter LDAP information and click on **Next**.

K. The **Select Database Type** dialog box is displayed.

L. Select the required **Database Server Type** and click on **Next**.

M. The **Choose Database Server Location** dialog box is displayed.

N. Enter the required **Database Server Information**. Click on **Next**.

O. The **Enter Centric 8 Administrator Username and Password** dialog box is displayed. Enter details in the **Username, Password and Confirm Password** fields; click on **Next**.

P. The **Enter Centric 8 Database Information** dialog box is displayed.

Q. Enter details in the Username, Password and Confirm Password fields. Enter the **Database Name** and click on **Next**.

R. Select **Use Existing Database** option and click on **Next**.

S. The **Choose Filevault Location** dialog box is displayed. Click on **Next** to accept the default destination folder or click on **Browse** and select the right location, click **Next.**

T. The **Choose WebAccess Location** dialog box is displayed. Click on **Next** to accept the default destination folder or click on **Browse** and select the right location if the WebAccess directory has to be configured under a different directory in the same machine or shared directory in a different machine, and click **Next**.

U. The **Enter SMTP Mail Server name and Email Address** dialog box is displayed.

V. Enter your SMTP mail server name and email address in the corresponding fields, and click on **Next**. The **Select Program Folder** dialog box is displayed.

W. To use the default program folder, click on **Next**. The **Check Setup Information** dialog box is displayed.

X. The **Check Setup Information** dialog box is displayed. Verify the details under **Current Settings**. To make changes, click on **Back**. ELSE, to proceed, click on **Next**.

Y. To complete installation, click on **Finish**.

Z. Unzip **ApparelSiteConfigurations.zip** to **...\C8\WebAccess** folder. When prompted to overwrite, click on **OK** to overwrite the target files.

AA. Copy back **Site.js**, **Site.xml**, **Site.css**, **en.js**, and **UploadOMAndTemplates.xml** to the **WebAccess** folder. When prompted to overwrite, click on **OK** to overwrite the target files.

BB. If LDAP Authentication is used, ensure LDAP server information in **pi-configuration.properties** file (found in **...\C8\Wildfly-9.0.1\standalone\configuration** folder) by comparing against the backup and update the file if needed

CC. On the Application server run the C8 Application installer as Administrator, select the **Update Configuration** option and complete the installation process.

> Compare the standalone.conf.bat file for the memory space allocated on the configuration file with the backup file. If there is a difference in the memory space allocated, ensure the memory space allocated is same as the backup file.

DD. Start Centric Wildfly Service; ensure that there are no errors in the **pi_centric.log** file.

EE. Open browser, enter below URL in Address bar
http://SERVERNAME/WebAccess/src/OperationPage.html

Replace SERVERNAME with C8 server name

Copy below operation into Script window

<Call Module="Reflection" Operation="Export2JS"/>
Click Execute

FF. Once it is completed, Log into C8 application and run **Update Configuration**.

8. Please notify users to clear browser cache before using the Application.

9. To **update the Centric PDF Service**, refer to "PDF Service Installation Guide" for detailed instructions.

10. To **update the Centric Image Service**, refer to "Image Service Installation Guide" for detailed instructions.

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