Centric 8 Version 6.0

Release Overview

Software version C8.6.0
December, 2016

New Features / Enhancements– Summary

What's New in 6.0

Feature	Description
1. CENTRIC 8 BASE	- Personal contact lists for sending data packages via email - PDF and Print Preview: Automatic horizontal paging for wide tables - Increase in the number of freezable columns
2. TWO-DIMENSIONAL SIZE SUPPORT	- Two-dimensional Size Configuration - Sizes - Size Ranges - Style Size Range and Sizes - Material Size Range and Sizes - SKUs - Samples - Size Maps - Size Chart Dimensions - Size Chart Increments - Size Chart - Size Chart Evaluation
3. PRODUCT SPECIFICATION	- Technical Data Sheets: Separate roles for Create vs. Delete - BOM: Enhance BOM and BOM line copy behavior to handle "Only for Sizes" - BOM: Promote Special Material to Shared Material - BOM: Create colored materials directly on BOM - BOM: System sets OK Color Specs immediately when BOM line is created - BOM: "Go to dialogue…" option available in Mass Replace for a Material - Spec Data Sheet: New action to copy rows from other Spec Data Sheets - Data Package Template: Instructions to include documents from related objects - Data Package: Include documents from related objects - BOM: Provide same mass edit actions on material BOM as style BOM
4. SOURCING	Product Suppliers: Simple selection of suppliers for products

	▪	Cost Scenarios: Allow Sample BOM to be used for material costs
	▪	Supplier Portal: Action provided to download all data packages in a supplier request.
	▪	Factory Review: New question type where answer is free-form text.
	▪	Supplier Quotes: New business object for host-only attributes
	▪	Supplier Quotes: Allow the same HTS code to be selected more than once on a Quote.
5. CONFIGURATION	▪	Attribute Flags moved from attribute instances to reflection model.
	▪	Domain object Attribute Names Rules
	▪	"Modified By" and "Modified At" attributes on all Primary Domain Classes
	▪	Some business object forms revert to OTB
6. MERCHANDISING	▪	Secondary Automation
	▪	Enhanced Secondary View
7. IMPORT / EXPORT	▪	SalesOrderLineItemSKU
8. CENTRIC 8 THEME	▪	Change Centric 8 Theme
9. SKYLINE		Skyline

1. CENTRIC 8 BASE

▪ **Personal contact lists for sending Data Packages via email**

Business Case

C8 Users need to send data packages from C8 to people who are not defined in C8. These are mostly people associated with Suppliers but not defined as Supplier Contacts in C8. To empower the C8 user, it is helpful if they can manage their own email distribution lists in C8, and use these lists when sending a data package via email from C8.

Feature Description

In C8 version 6.0, the following two new tabs have been added in the User Preferences.

▪ **Contacts** tab: Allows users to manage personal contacts

Figure 1: Contacts tab allows Users to create one or more contact details

- **Contact Lists** tab: Allow Users to a manage their contact lists.

Figure 2: Contact Lists tab allows Users to create and manage contact Lists

Each contact list can contain one or more personal contacts and can be selected at the time of emailing a data package:

- From a Style
- From a Material
- From a Supplier Request

Configuration

The personal contact lists are enabled by default but can be disabled on the **Setup ▶ Company** tab, **Allow Personal Contacts and Email Lists** checkbox.

Figure 3: Allow Personal Contacts and Email Lists checkbox
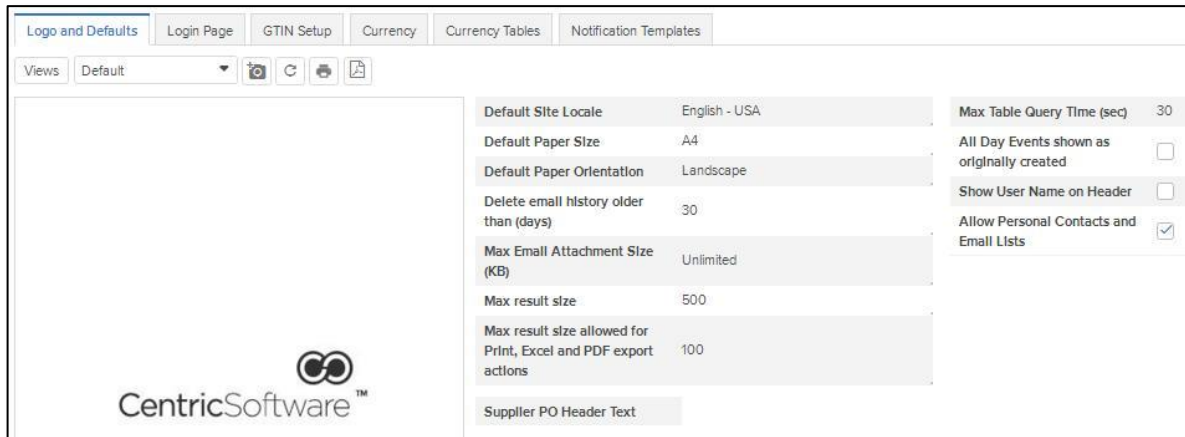
- ### PDF and Print Preview: Automatic horizontal paging for wide tables
(◂◂ Features Summary)

Business Case

When a style has many Colorways, creating a good PDF or print of the BOM is difficult because the Colorway matrix is very wide. For example, the supplier-facing view of a BOM with 50 Colorways can easily exceed 100 columns. Similarly, a style with many sizes will have a size chart that may be difficult to export to PDF or print. Users require an automated way to export to PDF or print very wide tables in a readable layout.

Feature Description

Prior to release 6.0, there was provision to automatically increase paper size and decrease text font when a table is too wide to fit on a single sheet of paper. In release 6.0, both behaviors have been replaced with automatic horizontal pagination of wide tables.

Configuration

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.

The custom view option **Freeze Columns** is used to identify the number of columns to be repeated on each new horizontal 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.

Figure 4: Freeze Columns option in Custom Views
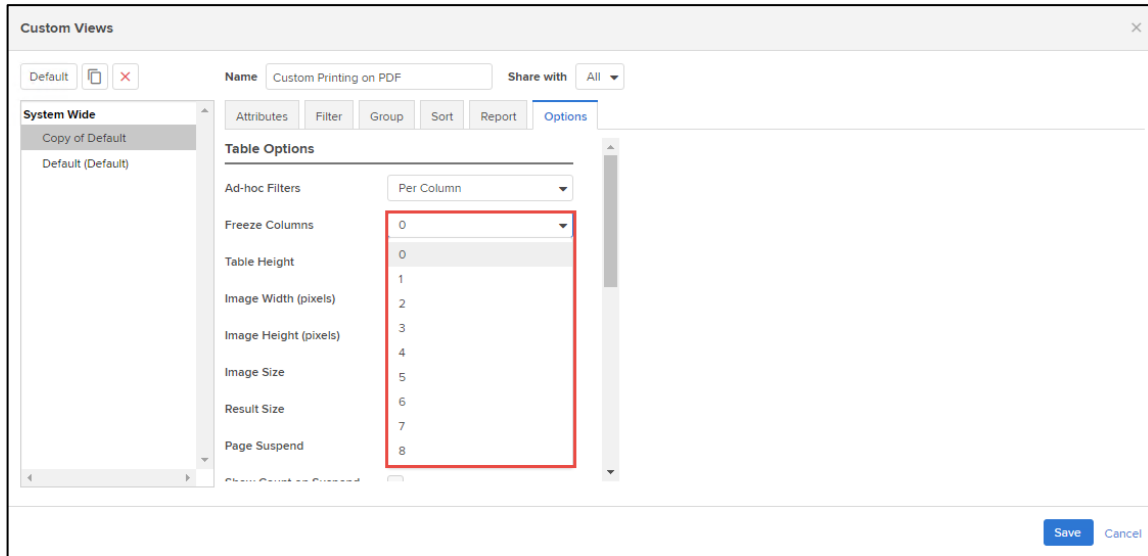
On composite views, such as data sheets and select sets, the page size and orientation settings of the individual views are overridden by the paper size and orientation settings of the composite view.

Limitations

PDF and printing pagination of table views with charts does not work with the initial release of 6.0. When a table is longer than a page and you include charts then some of the content will be truncated in the PDF or print. This limitation will be addressd in a service pack.

PDF of Pie or Donut charts does not work. The service that generates the PDF is not able to handle those two chart types, causing the PDF request to fail. You will need to work around this limitation by using different chart types or using C8 print preview or your computer's screen capture to share the chart outside of C8.

- **Increase in the number of freezable columns**
(Features Summary)

Business Case

This is related to automatic paging for wide tables. In a table view with a wide matrix such as a BOM with many colorways, an effective strategy is to freeze all the columns before the coloway matrix begins so that each horizontal page includes all the non-matrix columns plus several colorways.

Feature Description

The number of columns that can be frozen has been increased to 8. This can be set in a custom view where it is remembered, or set dynamically by using Command-Click on a column header. Different from earlier releases, you cannot freeze columns in a matrix. So, if you have 4 regular columns followed by matrix columns then you can only freeze upto 4 columns.

2. TWO-DIMENSIONAL SIZE SUPPORT

(◂◂ Features Summary)

Business Case

Some products are sized with two dimensions. For example, Pants with a waist and inseam size or bras with a band and cup. Users who develop this type of product have the need to manage the sizes and size range as a two-dimensional size range. Users also have the need for the Size Chart to properly understand and grade the Points of Measure that depend on the second dimension. This enhancement allows users to manage sizes as they currently do for single dimensional sizes and enhances the sizes, size ranges and size chart so that two-dimensional sizes can be supported as well.

- ▪ **Two-dimensional Size Configuration**

(◂◂ Features Summary)

Feature Description

Prior to working with two-dimensional sizes, the site administrator must define the dimension types required by the business. This can be done on the **DimensionType** enumeration found in **Setup ▸ Configuration ▸ Enumerations**.   The application provides one pre-defined DimensionType which is "Size". Examples of dimension types that you may need for 2-D sizes are shown in the screenshot below. Once your dimension types are defined and "Update Configuration" has been run, users can use these types when defining Sizes, Size Ranges, and Size Chart dimensions.

Figure 5: Enumerations tab - DimensionType

- **Sizes**

Feature Description

Sizes have been enhanced to differentiate between one-dimensional and two-dimensional sizes. Sizes have a new check box (Boolean attribute) named "Two-Dimensional" that toggles 1-D to 2-D behavior. Sizes have a new enumeration attribute called **Dimension Type** that must be defined for all sizes. A two-dimension size is built from two one-dimension sizes. For example, a size "32 waist / 32 inseam" is built from sizes "32 waist" and a "32 inseam".
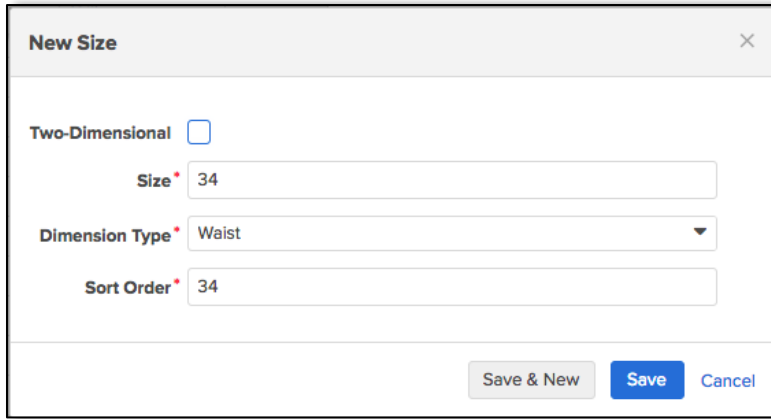
Configuration

Customers who have existing single dimensional sizes will have the **Dimension Type** attribute populated with **Size** upon migration. One dimension size cannot be converted to two dimension sizes, but you can define new 2-D sizes. To do this, users must first define each size as a single dimension.

EXAMPLE: To create a pant size of 34 waist x 32 inseam, do the following:

a. Enter details for a single dimensional size for **34 Waist**
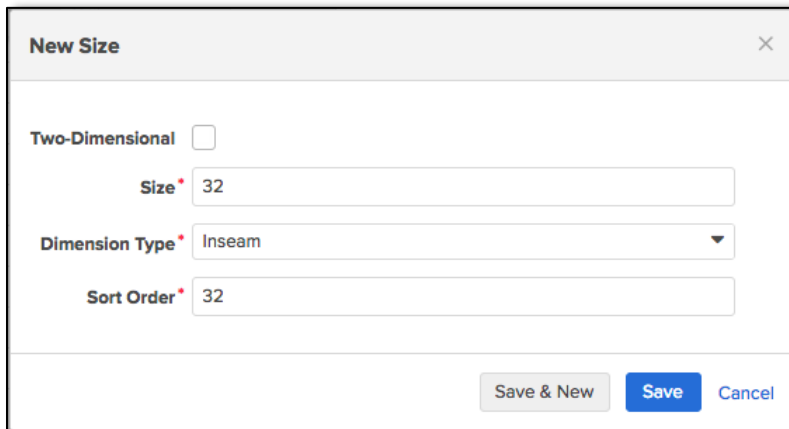
b. Enter details for a single dimensional size for **32 Inseam**
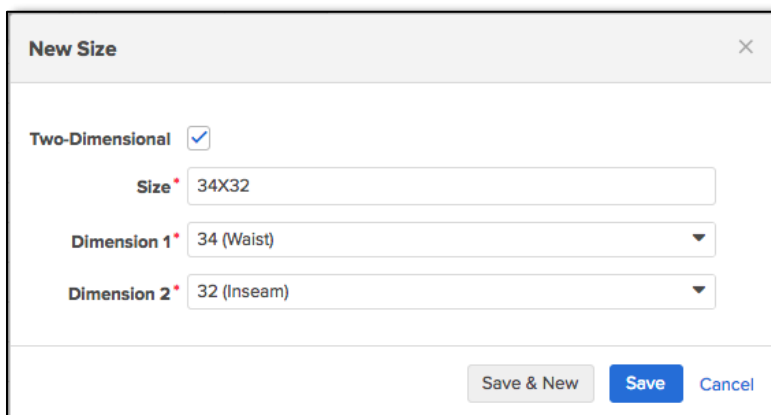
c. To create two-dimensional sizes, select the "Two-Dimensional" box, then select "34 Waist" for Dimension 1 and "32 Inseam" for Dimension 2.
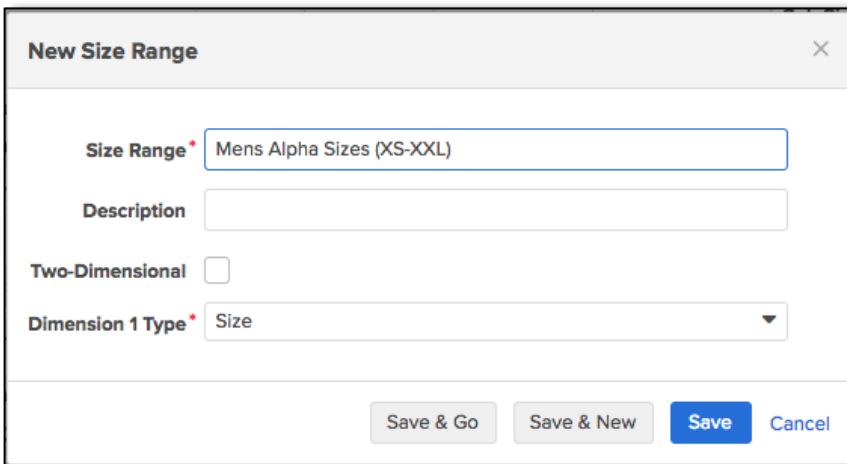
- **Size Ranges**

(◀◀ Features Summary)

Feature Description
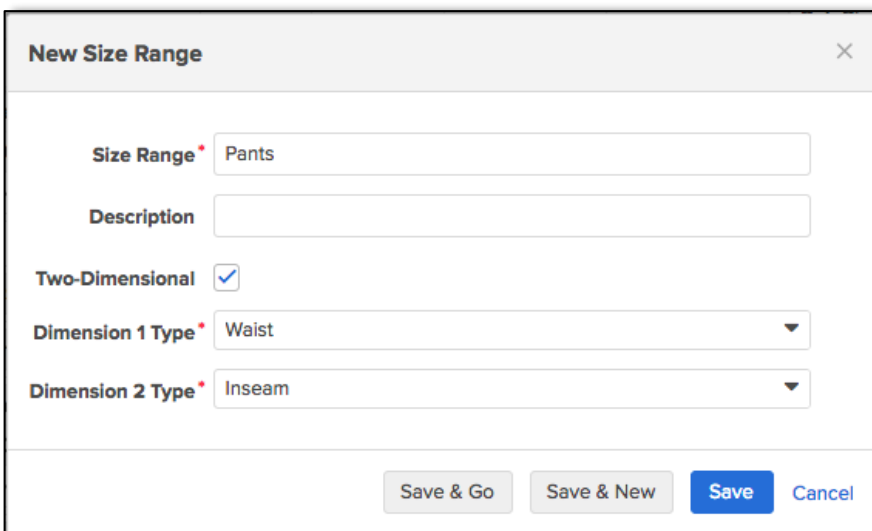
Size Ranges can now be created as one-dimensional or two-dimensional. For one dimensional size ranges, a **Dimension Type** must be defined. This will filter the set of available sizes based on the type.

Figure 6: New Size Range dialog box (1)

For a two-dimensional size ranges, **Dimension 1 Type** and **Dimension 2 Type** must be defined. This will control selection of sizes and build a size grid once the sizes are selected.

Figure 7: New Size Range dialog box (2)

When selecting sizes for a two-dimensional size range, "OK for Size Chart" and **"**OK for Material" will be disable after initial creation. "OK for Size Chart" will be enabled once sizes are defined. Due to grading logic for the Size Chart, "OK for Size Chart" will only be enabled if the base size selected for the size range has a valid value for every existing second dimension.

Materials do not support 2-D sizes so "OK for Material" remains false and read-only.

Composite Size Ranges cannot use two-dimensional size ranges.

Figure 8: Size Range table

- **Style Size Range and Sizes**
  (◀◀ Features Summary)

 Feature Description

Users can select a Size Range and down select sizes on styles in the same manner as before. However, if the size range is two-dimensional, then a grid will display with the first dimension across the top and the second dimension down the left side.

Figure 9: Size Range (1)
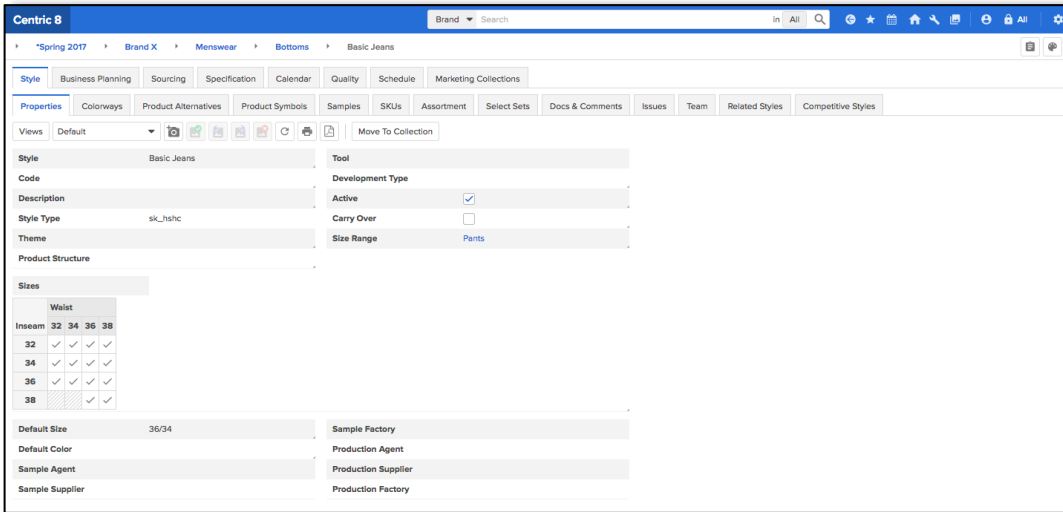
In table views, this grid will also display. For the sizes down selected in the sizes grid, drag fill editing will still work.

Figure 10: Size Range (2)
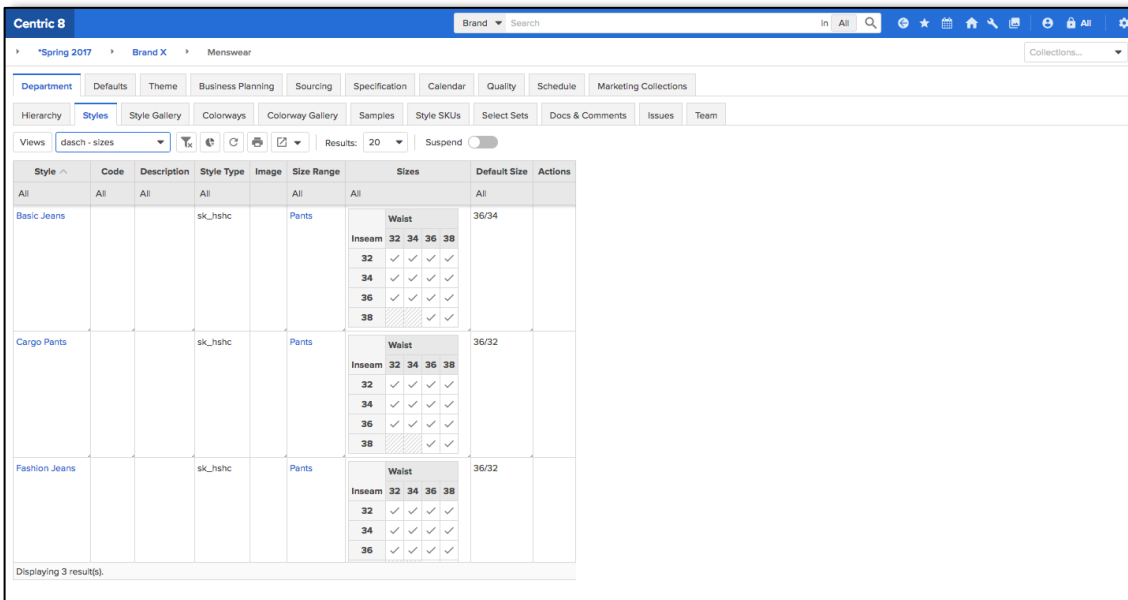
- **Material Size Range and Sizes**
(◀◀ Features Summary)

At this time Material Size Ranges and Sizes do not support 2-D sizes. For size ranges that are created as 2-D, the "OK for Material" option in the table of size ranges will be disabled for these size ranges. When creating sizes on a material, users will not be able to create 2-D sizes.

- **SKUs**

Feature Description

Due to the large number of sizes that can now exist with two-dimensional size ranges, the SKU create form has been re-designed. Sizes and colors now appear as multi-select drop-down menus. Upon selecting colors and sizes in the drop-down menus, a SKU will be created for each color/size combination.

Figure 11: New Style SKU dialog box

- **Samples**

Feature Description

Due to the large number of sizes that can exist in a two-dimensional size ranges, the Sample create form has been re-designed. Sizes and colors now appear as multi-select drop down menu. Upon selecting **Colors** and **Sizes** in the drop-down menus, a Sample will be created for each color/size combination.

Figure 12: Sizes and Colors drop-down menu

■ **Size Maps**
([◀◀ Features Summary)](#)

No change has been made to size maps with the introduction of two-dimensional sizes. Two-dimensional size ranges can be used in size maps. However, they willa appear flattened as either the source size range or target size range.

■ **Size Chart Dimensions**
([◀◀ Features Summary)](#)

Feature Description

When creating Size Chart dimensions, Points Of Measure (POM) that depend on a dimension can be marked accordingly. A new attribute **Dimension Dependencies** has been added to Size Chart Dimension and is available on the Size Chart Dimension table. This field is a multi-select drop down that allows users to select which Dimensions the POM depends on. For example, when making a pair of pants certain points of measure, like rise lengths, knee placements and inseam length, depend on the inseam dimension. These Points Of Measure are dependent on inseam. So, if a two-dimensional size range is used on an Increment, these points of measure will grade for the inseam.

Figure 13: Size Chart Dimensions

▪ **Size Chart Increments**
(◀◀ Features Summary)

Feature Description

If a Size Chart Increment is created using a two-dimensional size range, Points Of Measure that have a dimension dependency on the second dimension will have an enhanced grid to manage grading. The logic for these fields is as follows:

▪ Firstly, the grade will calculate vertically along the base size and
▪ Secondly, the grade will calculate horizontally for every two-dimensional size.

Figure 14: Size Chart Increments

In the example above, the Inseam Point Of Measure will first calculate along the size 36 vertically. When a value is entered in the base size, the grade will calculate in the negative direction above the base size and in the postiive below the base size. Each row will then calculate accordingly.

▪ **Size Chart**
(◀◀ Features Summary)

Feature Description

If a Size Chart is created using a two-dimensional Size Range, Points Of Measure pulled in that Size Chart depend on the second dimension and will appear as a grid. These Points Of Measure will first grade vertically along the base size and then horizontally for each row. Pattern with Shrinkage are supported.

Figure 15: Size Chart

Limitations

The Size Chart "Paste" function cannot be used on a two-dimension size chart.

- ▪ **Size Chart Evaluation**

Feature Description

When creating samples from the Size Chart Evaluation, the dialog display has now changed such that the sizes will appear in a multi-select drop-down menu.

> **NOTE** This eliminates the ability to create multiple samples of the same size. A service pack on 6.0 will introduce the ability to add or create samples directly in the Size Chart Evaluation so that you can perform an evaluation on multiple samples of the same size.

Figure 16: Size Chart Evaluation
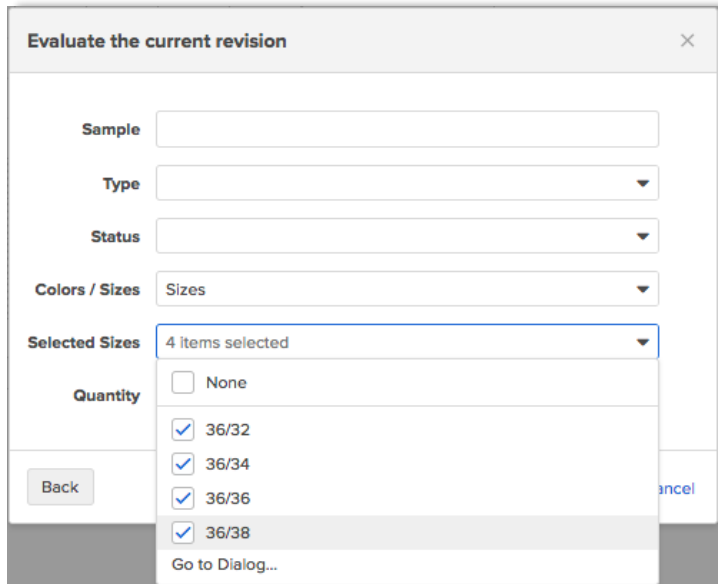
There are no changes to the display of the Size Chart Evaluation. If evaluating multiple different sizes they will appear flattened across the top. If a revised value is entered for a point of measure that does not have a second dimension, this value will be applied to the final size chart. In the example below the front rise and back rise points of measure have a revised value. This value will actually be the same for all inseam lengths displayed as these points of measure are not dimensional. The system displays the non-overkeyed values as the same value that has been over-keyed.

3. PRODUCT SPECIFICATION

- **Technical Data Sheets: Separate roles for Create vs. Delete**
(◀◀ Features Summary)

Business Case

Technical Data Sheets (TDS) store information required to produce a style. Some sites want to allow some users to create and edit data sheets but not delete them. Prior to 6.0, a user with permission to create a TDS object also has permission to delete them. With 6.0 it is possible to provide permission to create a TDS without permission to delete a TDS.

Feature Description

New security roles have been introduced in this release, which provide **Edit**, **View** and **Create** permissions but not the **Delete** permission.

Role	Permission			
	Create	**View**	**Edit**	**Delete**
Viewer		Yes		
Editor		Yes	Yes	
Creator	Yes	Yes	Yes	
Administrator	Yes	Yes	Yes	Yes

The following roles have been introduced:

- TDS - Artwork Creator
- TDS - BOM Creator
- TDS - Colorway Review Creator
- TDS - Image Creator
- TDS - Properties Creator
- TDS - Routing Creator
- TDS - Size Chart Creator
- TDS - Size Label Creator
- TDS - SKU Review Creator
- TDS - Spec Creator
- TDS - Style Review Creator

Configuration

To achieve **Create** permission without **Delete** access, the new Creator roles must be used without any role that provides Administrator access to a TDS. Users should not have the "Product Specification Administrator" role.

▪ **BOM: Enhance BOM and BOM line copy behavior to handle "Only for Sizes"**
(◄◄ Features Summary)

Business Case

When copying an entire or partial BOM from one Product to another it is common for the sizes of the two products to be similar. Sophisticated logic helps preserve as much of the size-specific information as possible when copying a BOM or PartMaterial. However, when attribute **Only for Sizes** was added, the copy logic was not updated to "smart copy" this attribute. Since **Only for Sizes** works in conjunction with other size attributes that are copied, the system should "smart copy" it for the **From** and **To** product sizes that match.

Feature Description

The actions to copy an entire BOM to a new BOM and to copy selected BOM lines into an existing BOM have been enhanced to copy the **Only for Sizes** attribute. The system will not necessarily copy the entire list of sizes in the attribute. Instead, it will only copy sizes that exist on the target product when adding a BOM by copying, or sizes that exist on the target BOM when adding BOM lines by copying.

- **BOM: Promote Special Material to Shared Material**
(◀◀ Features Summary)

Business Case

During the development of a style BOM, the designer may use so called "local materials", which are basically known by the supplier but not managed in the material library. In this case, the designer creates a "special" material on the BOM. Later in the development process, the material might need to be used on other style BOMs. The system provides a new action on the BOM for special materials - **"Promote Material"** to change the material from a private material used only on one BOM line to a shared material available for use on other style BOMs.

Feature Description

A new action **Promote Material** is available on BOM lines for special materials. The action will present the material create form which the user must complete to make a legal shared material. Once the special material is successfully promoted to a shared material, the system will change the BOM line from a special to a regular BOM line. Material validation rules are not evaluated when a special material is created but they are evaluated when a special material is promoted.

Figure 17: Promote Material

The BOM tracking view will record the promote action.

Configuration

When a special material is created, the system presents a simple form to get the material type and name. When a special material is promoted, the configured form for the "Library Item, Material" business object is presented. The system adds the material security group field to this form.

▪ **BOM: Create colored materials directly on BOM**

(◀◀ Features Summary)

Business Case

Selecting a color for a material on a BOM is fast if the material has the color material you need. If not, the process to define new Color Materials on a Material is cumbersome. You need to navigate to the material and create a color material before you can finish the BOM editing. It will make BOM authoring more efficient if the user can create the needed colored material without leaving the BOM. This is especially true for vendor materials available in many colors because these color materials do not go through a complex approval process.

Feature Description

When this feature is enabled, the drop-down menu to select a color for a material on a BOM includes a new action **New Colored Material...** If you select this action, then the configured form to create a color material is presented.

Figure 18: New Colored Material option

After the colored material is created successfully then it is automatically selected on the BOM.

Limitations

Users cannot create colored materials for a special material or materials that do not support color.

Configuration

This feature is disabled by default. It is enabled by modifying material type definitions. To enable this feature, set the material type attribute **Allow Colored Material Create on Placement** to "TRUE".

This feature is independent from the **OK Color Spec** behavior. When **OK Color Spec** is set to "TRUE", then the drop-down menu includes color specs. When **Allow Colored Material Create on Placement** is set to "TRUE", then the drop-down menu includes **New Colored Material...** When both are set to "TRUE", then the drop-down menu includes both.

> **NOTE** Users do not have an option to create a new Color Spec from the BOM – only a new Colored Material.

- **BOM: System sets OK Color Specs immediately when BOM line is created**
(◀◀ Features Summary)

Business Case

When the **OK Color Specs** feature was released, the system relied on an expression to determine the value of **PartMaterial.OKColorSpecs.** This provides maximum configurability but forces the User to wait until completion of Rollup before allowing selection of a color spec on the BOM line. To remove this delay, the system makes an assumption about **OKColorSpecs** and sets it when a material is selected for the BOM line. The assumption is that the Material's OKColorSpecs attribute determines if color specs are selectable on the BOM line.

Feature Description

When a material is selected for a BOM line, the system initializes **PartMaterial.OKColorSpecs** from the material's **OKColorSpecs** attribute.

Configuration

If you have configured an expression on **PartMaterial.OKColorSpecs** to get the value of **PartMaterial.OKColorSpecMaterial** then you can remove this expression. That behavior is now built into the system.

If you want **PartMaterial.OKColorSpecs** to always set to "TRUE", then you must set the initial value of **Material.OKColorSpecs** to "TRUE". Prior to Centric 8 6.0, you could simply set the initial value of **PartMaterial.OKColorSpecs** to "TRUE".

- **BOM: "Go to dialogue…" option available in Mass Replace for a Material**
(◀◀ Features Summary)

Business Case

When **Mass Replace** feature was released, it provided the user with a simple list of the item name to replace. For lists with many items, users found the simple drop-down list did not provide sufficient information to identify the correct items to replace.

Feature Description

A **Go to dialogue…** option is now provided for the **To:** and **From:** fields for all Material Mass Replace options: material, color spec, colored material, and color spec to colored material.

- **Spec Data Sheet: New action to copy rows from other spec data sheets**

Business Case

When creating a Spec Data Sheet, you may want to copy a few lines from a different Spec Data Sheet into your Spec Data Sheet. This feature allows you to do that, similar to the way you can copy BOM lines from a different BOM into your current BOM.

Feature Description

When editing a Spec Data Sheet, a new action **New from Spec Data Sheet…** is available to the user**.** Select a Spec Data Sheet and spec lines from that data sheet. The system will copy the selected lines to your current Spec Data Sheet.

- **Data Package Template: Instructions to include documents from related objects**

Business Case

Including Documents in a data package is an effective way to send files to suppliers. The Documents to support a Style or Material data package may not be attached directly to the primary object but are attached to related objects such as Colorways, ColorSpecs, Materials, and Colored Materials. Since Data Package Templates are an efficient way to create consistent data packages, enhancing them to automatically include documents from related objects is needed.

Feature Description

The data package template has several new "Document Filter" attributes and each one provides a way to automatically include documents from certain related objects.

The following filters have been added or enhanced for Styles:

- **ColorSpecs:** Navigate from **Style** to **Colorway** to **Color Specification** to get the related documents.
- **Shape & Theme:** A single filter will follow the path from **Style** to **Theme and Shape** to get the related documents.

- **Assortment Styles:** Navigate from Style to its assortment Styles (Style.AssortmentStyles) to get the related documents.

The following filters have been added or enhanced for Materials:

- **BOM Materials and Colored Materials:** Follow the path from a BOM line to its Material and Colored Materials to get their documents. Can traverse a multi-level BOM based on the custom view you select in the data package template.
- If the data package is for a Material then the basic document filter path has been enhanced to include documents on the material and documents on the active colored materials.

- **Data Package: Include documents from related objects**

Business Case

Including Documents in a Data Package is an effective way to send files to Suppliers. The Documents to support a Style or Material Data Package may not be attached directly to the primary object but are attached to related objects such as Colorways, ColorSpecs, Materials, and Colored Materials. For cases where data package template document filter rules cannot automatically get all appropriate documents for a data package, the user needs to manually select documents.

Feature Description

When selecting documents to be added to a Data Package, the system will display documents from many paths from the primary object.

For primary object Style:

- Style
- Shape
- Theme
- Colorways - Colorspec
- AssortmentStyles

For primary object Material:

- Material
- Colored Materials
- Colored Materials – Colorspec

- **BOM: Provide same mass edit actions on material BOM as style BOM**

Business Case

The actions to make mass changes to Style BOMs from a Material provide support for important use cases where the same changes need to be applied to many BOMs. For customers who manage Material BOMs, the same actions have value.

Feature Description

In this release, the following mass **Edit** actions are available for a material in the **Material ▶ Where Used ▶ Material BOM** tab:

- Replace
- Create Placement
- Create Dependent Placements
- Delete Placements
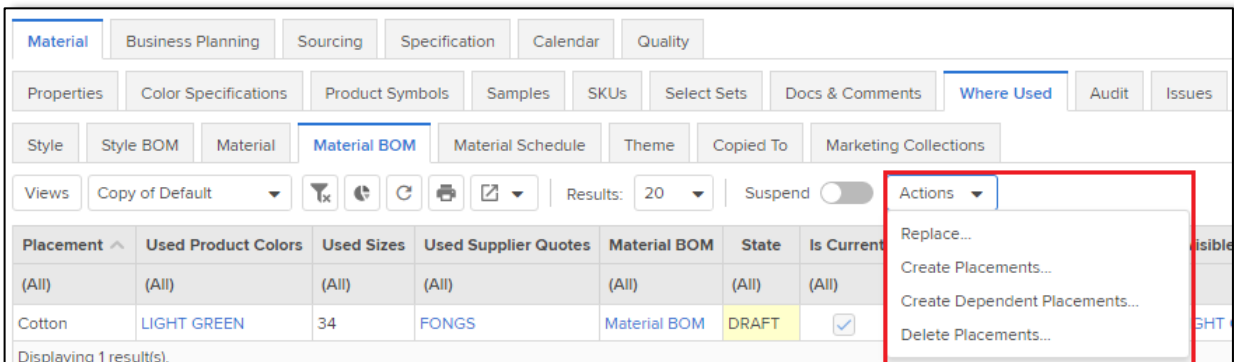
When using these operations, the user must select a Material Type that supports BOMs to initiate the search for BOMs to modify.

4. SOURCING

- **Product Suppliers: Simple selection of suppliers for products**

Business Case

Identifying the supplier(s) for Styles is often done early in the development process and multiple Styles are assigned to the same supplier(s). Prior to release 6.0, the process requires multiple clicks per style and requires opening the **Sourcing** tab on each Style. Users want to be able to add the same Suppliers to many Styles as quickly as possible. Ideally, the Users could identify

Suppliers for a Style from a style table view, and then drag-fill the supplier list from one style to other styles. The same case is applicable to Materials.

NOTE	The Supplier Request provides a way to create multiple Product Sources on multiple Products but customers want to identify the Suppliers before supplier requests are created.

Feature Description

All table views of Styles and Materials support editing the list of suppliers. You need to add the attribute **Product Suppliers** from the **Style Sourcing** or **Material Sourcing** node, then users will be able to edit that attribute using a multi-select drop-down menu that includes **Go to dialog...** Simple editing and drag-fill editing work with some limitations that protect the integrity of quotes, samples, and supplier requests. If a Supplier on a product has been used for anything on the product, then it cannot be removed.

If you are using the Style **Assigned Agent** attribute and you have defined the **Agent - Supplier** relationships, then **Assigned Agent** should be set before **Product Suppliers** because the system will suggest the Agent's Suppliers when the user is selecting Suppliers.

▪ **Cost Scenarios: Allow Sample BOM to be used for material costs**
(◀◀ Features Summary)

Business Case

The Sample BOM provides a way to evaluate product variations using different materials. An important aspect of product variations is the material costs. Since the Supplier Quote Cost Scenario supports input of detailed materials costs, the Cost Scenario needs to work with a Sample BOM.

Feature Description

When creating a Cost Scenario, the user must select a BOM. The list of selectable BOMs has been expanded from full BOMs to include both full and Sample BOMs.

▪ **Supplier Portal: Action provided to download all data packages in a supplier request**
(◀◀ Features Summary)

Business Case

A portal supplier may receive a supplier request containing multiple Data Packages for development. They need an efficient way to download all of the Data Packages altogether.

Feature Description

A toolbar action has been added to the view of styles in a supplier request to provide the **Download all Data Packages** action.

- **Factory Review: New question type where answer is free-form text**
(◀◀ Features Summary)

Business Case

Not all factory review questions can be answered by Yes/No and sometimes do not have a direct influence on the score itself either. To enable the user to capture answers to these question formats, a new attribute has been introduced whereby a question can be marked as "Generic".

Feature Description

The "generic" attribute will disable the "possible points" and "subquestion" section on a question. When used in a review this question will allow the user to provide a free-text answer to that question (new attribute). The generic flag can only be set if there are no subquestions existing for that question. Possible points will be automatically set to 0 after the flag is set. The question will be regarded as "answered" if at least one character is entered in the **Response Text** field.

Review Section	Not Applicable	Response	Response Text	Points Scored	Flagged	Comments	Images	Actions
Total		2 / 2		0.00	0			
∨ **Test subsection**		2 / 2		0.00	0			
Test question with docs	☐	Yes		0.00	☐			✏
Generic question	☐		My free-text answer	0.00	☐			✏

1 result(s).

- **Supplier Quotes: New business object for host-only attributes**
(◀◀ Features Summary)

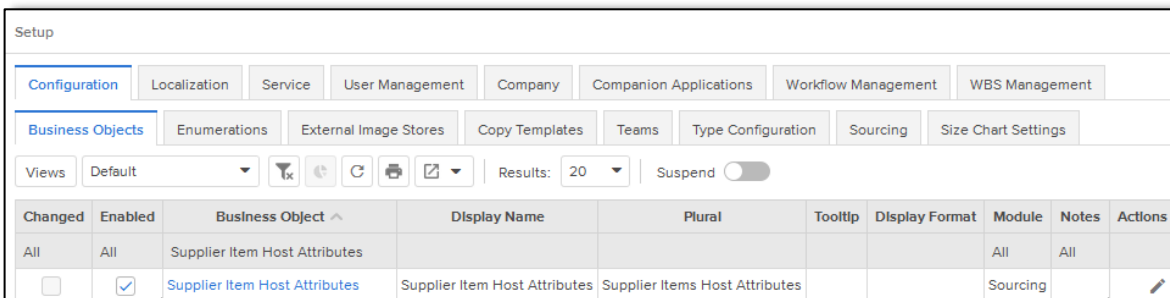**Business Case**

The supplier quote is a collaborative object shared by the host company and suppliers. The host company may have custom attributes on the supplier quote that the supplier should never see. Even though we can prevent a basic end user from seeing the attributes by controlling the custom views for the user, a clever user can view the attributes using advanced tools. We need

to close this loophole and completely prevent the supplier from viewing the "host-only" attributes.

Feature Description

A new business object class **SupplierItemHostAttributes** has been added and one instance of this class is created as a child node for every Quote revision. Existing sourcing roles provide no access to these nodes.

Configuration

The new "SupplierItemHostAttributes" node is accessible only by users with the new security roles "Sourcing Host Editor" or "Sourcing Host Viewer". When you updgrade from an earlier release to C8 6.0, no users except for users in the Site Administrators group will be able to see this node until they are assigned one of the new roles.

▪ **Supplier Quotes: Allow the same HTS code to be selected more than once on a quote**
(◀◀ Features Summary)

Business Case

A style may represent several different variations of a product and each variation may have a different HTS code. If you use a single supplier quote for all product variations and specify an HTS code for each variation, then the HTS table on the quote takes an entirely different meaning than it was designed for.

Feature Description

The restriction that prevented users from selecting the same HTS code more than once in the HTS table for a Supplier Quote has been removed.

Figure 19: Select HTS Codes
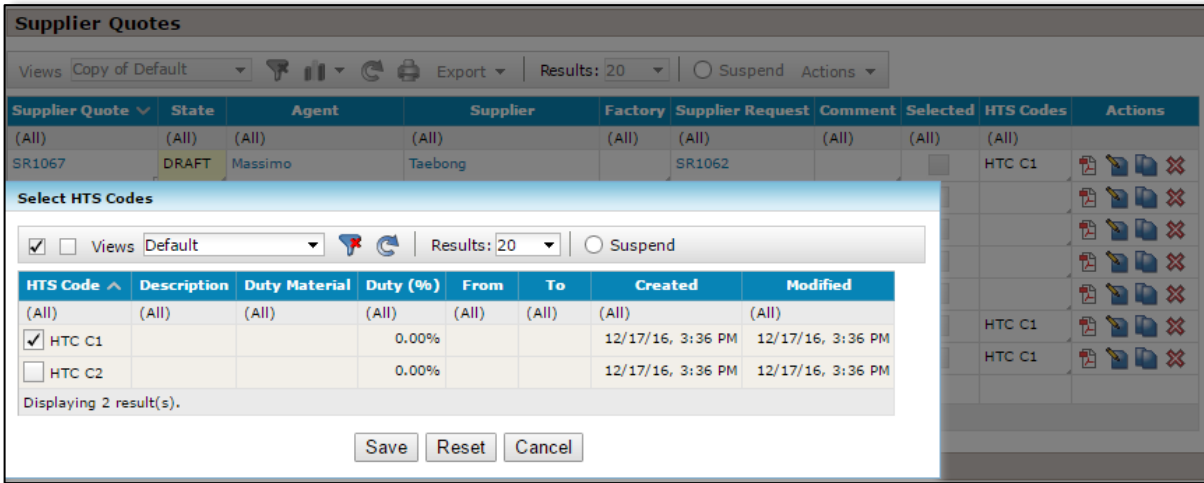
Now the same HTS code can be added to the table multiple times.

Figure 20: Edit HTS Codes
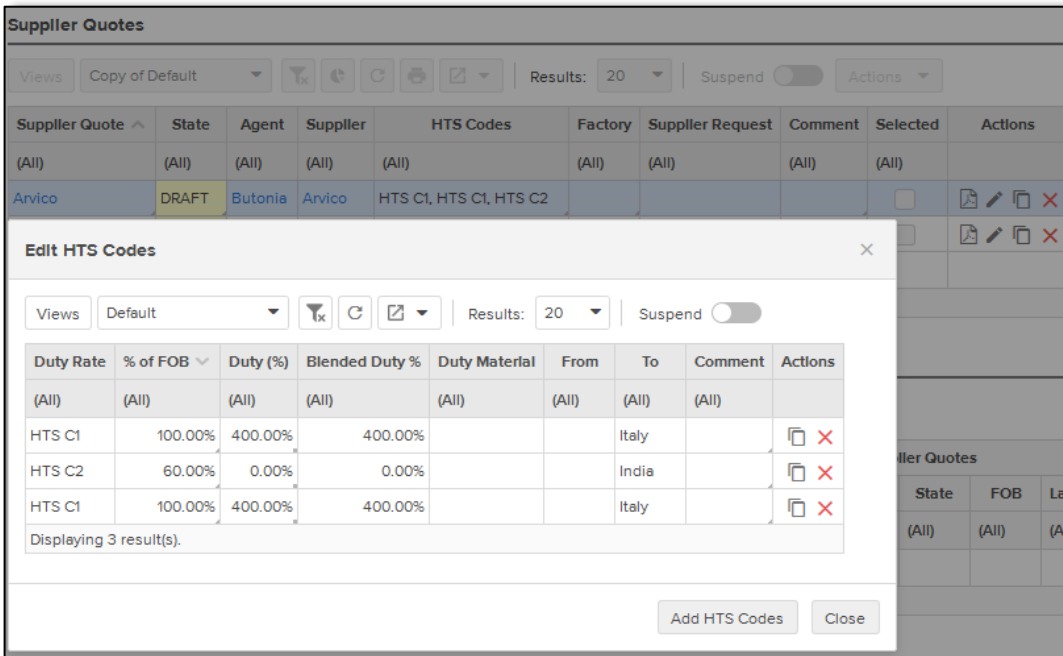
5. CONFIGURATION

▪ **Attribute Flags moved from attribute instances to reflection model**

Business Case

Optimize the **Update Configuration** action and remove ambiguity in attribute definition by moving some attribute flags from attribute instances to the reflection model. The performance and technical cost of attribute flags defined in the reflection model is lower than the cost of attribute flags defined on attribute instances.

Feature Description

When an attribute flag is not allowed to vary between attribute instances then it should only be defined in the reflection model. The following four attribute flags have been moved from attribute instances to the reflection model:

- **Hidden**
- **Optional**
- **Required**
- **Read-only Properties (Restrict Comments)**

Configuration

The configuration for the flags listed above has not changed. They are set per attribute in the **Setup** ▶ **Configuration** ▶ **Business Objects** area of the application.

▪ **Domain Object Attribute Name Rules**

Business Case

The Centric 8 Domain Model provides a higher-level representation of the Centric 8 Reflection Model and is important for supporting new features like change log and attribute picker.

Feature Description

The domain model merges multiple reflection classes into one domain class and attribute names must be unique within a domain class. This is a wider scope for uniqueness of attribute names than previous releases and it is enforced when you define new attributes in the **Setup** ▶ **Configuration** ▶ **Business Objects** area of the application.

Migration

If your implementation follows best practices for custom attribute names then migration will be no problem. However, if you have used the same attribute name on multiple business objects (reflection classes) that belong to the same domain class then you will need to rename them to conform to the new attribute naming rules.

The system will check for attribute name uniqueness problems when you run "Update Configuration" and report conflicts in the "pi_centric.log" log file. Look for errors such as this:

```
The Domain Class Style has a conflict on Attribute Id 'custom' between Style and Style Attributes. Only the first one will be used by the Domain Model.
```

The "Update Configuration" will complete normally and your attributes will be defined with their original names. Areas of the system that rely on the domain model such as Report DB and Change Log will ignore the second occurance of the attribute. You should fix the attribute name problems as soon as possible because the domain model will become more important with each release.

- **"Modified By" and "Modified At" attributes on all Primary Domain Classes**

Business Case

Prior to Release 6.0, customers could define attributes "ModifiedBy" and "ModifiedAt" on any business object. The system would automatically maintain the values of these attributes to record the "who and when" of the most recent change made to the node by a user not in the "SiteAdministrator" group. At the same time the node parameters "Last Modified By" and "Last Modified AT" record the "who and when" of the most recent change made by any user or process. Making a distinction between user changes and system changes helps support views and processes that filter data based on "last modified".

Feature Description

Every primary domain class has attributes "ModifiedBy" and "ModifiedAt" and they work as described above except at a wider scope. An instance of a primary domain class may own child secondary domain class objects. The secondary objects do not have "ModifiedBy" and "ModifiedAt" but modifications to them are recorded on the primary domain class "ModifiedBy" and "ModifiedAt" attributes.

Configuration

Do not define attributes "ModifiedBy" and "ModifiedAt" as you would on pre-6.0 systems. The attributes have been added to primary domain classes in the base C8 model. The system will not allow you to add them to secondary domain classes.

▪ **Some business object forms revert to OTB**
(◀◀ Features Summary)

Business Case

Some business object forms have change significantly in 6.0. The migration process must ensure that customers get these changes.

Feature Description

The "Import Configuration" process will replace custom forms for some business objects with the 6.0 OTB forms. The following business objects are effected:

- Material Sample
- Material SKU
- ProductSize
- Sample
- Size Range
- Style SKU
- SupplierItem

Configuration

This needs to be considered when you upgrade from a pre-6.0 release to a 6.0 or later release. If your site has customized any of the above forms by adding or removing attributes then you may need to reimplement your customization.

6. MERCHANDISING

▪ **Secondary Automation**
(◀◀ Features Summary)

Business Case

In earlier versions of C8, secondary values could be added to any hierarchy level. However, to do this, users would have to manually add the secondary values to each level. For the plan, folder, and collection levels once they were established for a version, then new versions would automatically have the secondary values populated at these levels. However, products and options would always have to be manually added. This enhancement provides users with options such that secondary values can be automatically added to the products and options when they are created.

Feature Description

In the plan, users define the Secondary values to be used under the **Secondary Setup** tab. A checkbox called **Auto Create** is now available. Selecting this checkbox ensures that at the time of creating a Product and/or Option, the Secondary values will be automatically created.

Figure 21: Auto Create checkbox available on the Secondary Setup tab
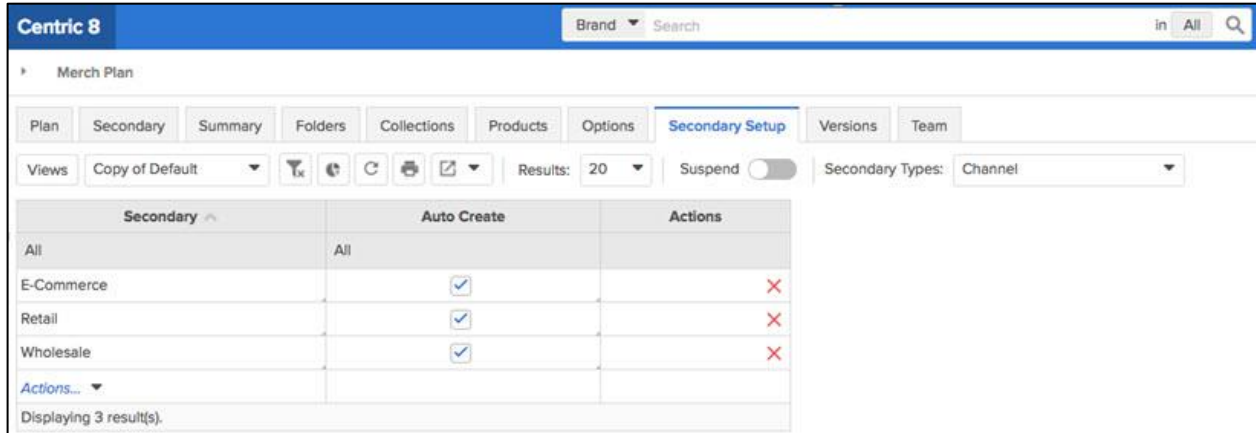

- **Enhanced Secondary View**
(◀◀ Features Summary)

Business Case

Previously Secondary values were only managed within the Secondary tab. Typically, users need to see the secondary information with the main hierarchy to analyze and make decisions. A new view has been added so that Secondary information can display along the main hierarchy view.

Feature Description

A custom view option has been added so that users can choose whether or not to display the secondary values as columns in the main hierarchy views.

Figure 22: Secondary Display Options in the Custom Views dialog box
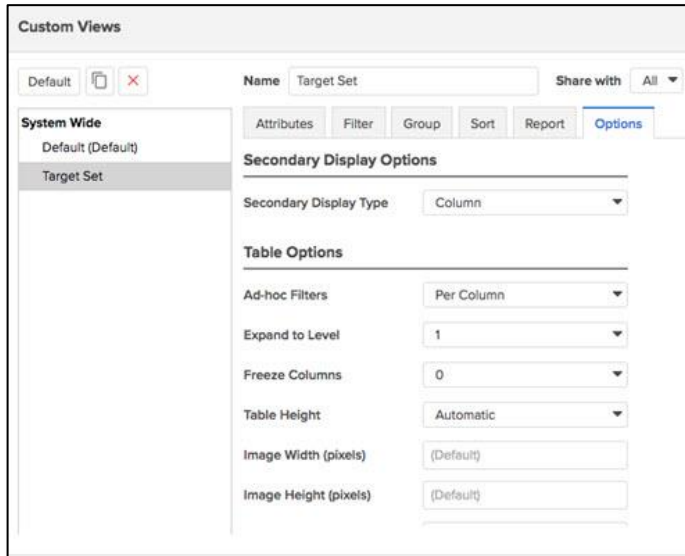

7. IMPORT AND EXPORT

- **SalesOrderLineItemSKU**

(◄◄ Features Summary)

Business Case

In release 5.6.6 the Sales Order was enhanced from color-level orders to support color or SKU-level orders. In this release the SKU-level orders can be exported using configured export batches and jobs.

Feature Description

The class "SKU Line Item" (SalesOrderLineItemSKU) is available for export definition.
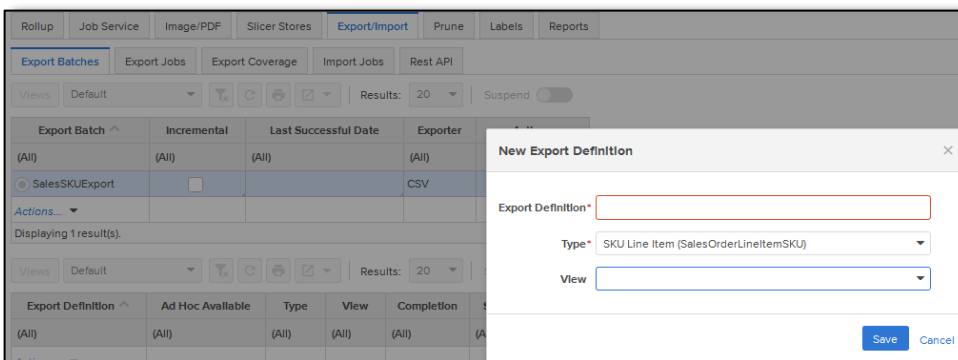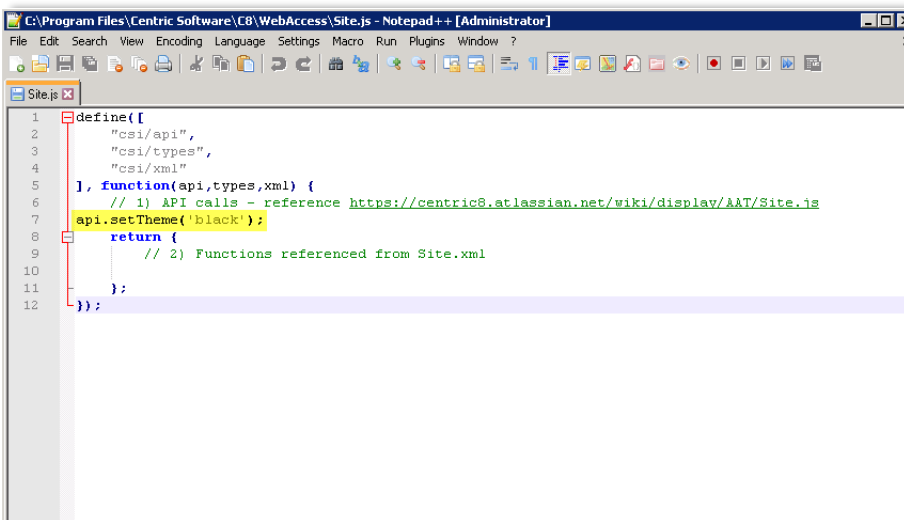
8. CENTRIC 8 THEME

- **Change Centric 8 Theme**
(◀◀ Features Summary)

Feature Description

Centric 8 now comes in two themes: Blue and Black. The default OOTB theme is Blue.

▶ **To change the Centric 8 theme from Blue to Black**
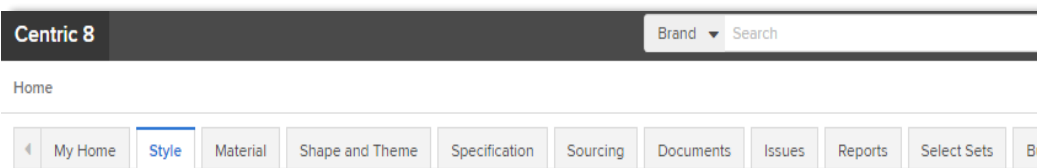
- Edit Site.js (found in ...\C8\WebAccess folder)
- After API calls line, add the below line -`api.setTheme('black');`

▶ **To switch back to Blue**

- Comment the line above

> **NOTE** To view the Centric 8 Theme changes, it is required to clear cache for the browser

9. SKYLINE

(◀◀ Features Summary)

- **What is Skyline?**

The Skyline architecture enhances Centric 8 with the ability to distribute changes (Creates, Updates and Deletes) from the master data repository (Centric 8 DB) to services subscribed to consume them. These changes flow to use case specific micro services that are being built out in Phases. Skyline is included as an optional architectural extension with Centric 8 version 6.0.

- **What micro services are enabled in 6.0?**

There are two micro services available with 6.0:

  - **Report Service:** This is a performance optimization service. Report service provides faster response times to queries thus improving the user's experience while interacting with Centric 8.
  - **Change Logging Service:** This service enables logging changes to selected C8 Objects and its attributes.

NOTE	These micro services are optional and will be priced separately. A customer can upgrade to C8 6.0 without enabling either of the above mentioned services.

- **Is additional hardware required for the micro services?**

Yes. We are working through the exact requirements for the ideal additional hardware for the micro services. We are running in house test scenarios as well as production trials to determine the best practice recommendation. Once this information is available, it will be shared with customers.

- **Is new hardware required to upgrade to 6.0?**

No. Customers can upgrade to Centric 8 version 6.0 with their existing infrastructure. Additional hardware will be required only when a micro service is required to be enabled.

- **What is the Skyline rollout timeline?**
    - Skyline Service support available with C8 version 6.0
    - Production Trial of Report/Query micro Service and Changelog micro service conducted mid Jan to mid Feb
    - Hardware requirements published: 1st week Feb
    - Timeline for additional micro service availability will be announced in March.

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