SAS® Theme Designer 3.0: User’s Guide
# Contents

*SAS Theme Designer 3.0 Audience* ............................................. v

## Chapter 1 • Getting Started ................................................. 1
- About SAS Theme Designer ...................................................... 1
- Prerequisites for Accessing SAS Theme Designer 3.0 .................. 1
- Accessing SAS Theme Designer ................................................. 2
- Working in SAS Theme Designer .............................................. 3
- SAS Application Themes ......................................................... 4
- SAS Report Themes .......................................................... 4
- Using SAS Themes in SAS Viya Products .................................... 5
- SAS Help Center ................................................................ 5

## Chapter 2 • Creating and Working with SAS Application Themes .......... 7
- SAS Application Themes ......................................................... 7
- Creating a New Application Theme: Example ............................ 7
- Previewing Changes to an Application Theme .......................... 12
- Changing Palette Colors ....................................................... 13
- Interface Styles ................................................................ 14
- Graph Styles .................................................................. 16
- Editing a Theme in Context ................................................ 17
- Saving a Theme .................................................................. 20

## Chapter 3 • Creating and Working with SAS Report Themes .............. 21
- SAS Report Themes .......................................................... 21
- Creating a New Report Theme: Example ............................... 21
- Previewing Changes to a Report Theme ................................. 25
- Changing Palette Colors ....................................................... 26
- Page Styles .................................................................. 27
- Graph Styles .................................................................. 28
- Saving a Theme .................................................................. 29

## Chapter 4 • Managing SAS Themes ............................................. 31
- Theme Table Overview ......................................................... 31
- Exporting and Importing a SAS Theme ..................................... 34
- Publishing Themes ............................................................ 35
- Setting a Default Theme ....................................................... 35
- Theme Designer Settings ..................................................... 36
- SAS Help Center ............................................................... 36
- Assigning Users to Custom Groups ........................................ 37

## Chapter 5 • Troubleshooting SAS Theme Designer ......................... 39
- Troubleshooting Mozilla Firefox Time Threshold ..................... 39
- Edit In Context Unavailable in Internet Explorer 11 .................. 39

## Recommended Reading .......................................................... 41

## Glossary .......................................................... 43
Contents
SAS Theme Designer 3.0

Audience

The intended audience for SAS Theme Designer 3.0 includes administrators who develop and maintain SAS themes as well as individual users who access SAS themes from within different SAS applications.
Chapter 1
Getting Started

About SAS Theme Designer

SAS Theme Designer 3.0 enables you to easily customize the appearance of various SAS Viya applications. A SAS theme defines the overall look and feel of an application or a report. It is designed using colors and graphics that are applied to common user interface components and layout containers. A well-designed theme can create a strong visual identity across a product or set of products. You can use SAS Theme Designer to create and deploy simple, visually appealing, customized themes.

Prerequisites for Accessing SAS Theme Designer 3.0

In order to access SAS Theme Designer 3.0, you must be included in the Application Administrators group. See “Assigning Users to Custom Groups” on page 37 for more information.
Accessing SAS Theme Designer

Depending on your user environment, and your membership in the Application Administrators group, SAS Theme Designer 3.0 is available for you to access from one or more locations. Here are the options for accessing SAS Theme Designer 3.0:

SAS Home
SAS Home 8.1 enables you to easily access different SAS Viya applications and content including SAS Theme Designer. Within SAS Home, you can display SAS Theme Designer in multiple ways including as a shortcut, as a tile, or as a link.

In the SAS Home 8.1 display below, SAS Theme Designer is available as a shortcut that you can select to open the application.

Side menu
The Side menu enables you to easily select SAS Viya applications that you have access to. The Side menu is available in the upper left corner of your SAS Viya application window. Select the menu to expand the listing of available SAS Viya applications. From here you can select SAS Theme Designer.

Here is the Side menu expanded:

Web browser
SAS Theme Designer uses the standard sign-in window for SAS applications. To display the sign-in window, use the URL that is supplied by your SAS administrator.
A Sign In to SAS window appears where you can enter your User Id and Password. Here is the Sign In to SAS window:

![Sign In to SAS window](image)

### Working in SAS Theme Designer

Once you sign in to SAS Theme Designer, you can create new themes and modify existing themes. Below is the main window for SAS Theme Designer 3.0.

![SAS Theme Designer window](image)

Here are the tasks that you can perform from this window:

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select an existing theme</td>
<td>You can select an existing theme from the table of available themes in order to perform different administrative tasks. Some of the tasks that you can perform include renaming, deleting, duplicating, and exporting themes.</td>
</tr>
</tbody>
</table>
## Task Description

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a new theme</td>
<td>You can create a new application theme or a new report theme.</td>
</tr>
<tr>
<td>Import a theme</td>
<td>You can import a theme from a specific folder to SAS Theme Designer 3.0.</td>
</tr>
<tr>
<td>Access the Help Center</td>
<td>You can access the Help Center by selecting the Help Center icon. The Help Center contains documentation for SAS Theme Designer 3.0.</td>
</tr>
</tbody>
</table>

### SAS Application Themes

SAS Theme Designer enables you to apply your own branding and customization to make SAS Viya applications conform with the rest of your software environment. SAS recognizes that users at your site often use more than one SAS application in their daily work. Having a consistent look and feel ensures that the user’s transition from one application to the next is as seamless as possible.

SAS Theme Designer also provides a predefined, default application theme that enables you to create new application themes, based on that theme’s settings. The Illuminate theme is the default application theme. You can use the Illuminate theme as a basis to create additional customized application themes.

For more information see Chapter 2, “Creating and Working with SAS Application Themes,” on page 7.

### SAS Report Themes

The second type of theme that you can create in SAS Theme Designer is a report theme. You can create report themes that can be used in SAS Visual Analytics 8.1 reports. A report theme contains settings that control the color selections for different elements of a report such as tables, graphs, and controls. SAS Theme Designer provides a predefined, default report theme that enables you to create new report themes, based on that theme’s settings. The Umstead theme is the default report theme. You can use the Umstead theme to create additional customized report themes.

Using SAS Themes in SAS Viya Products

Application themes that are created in SAS Theme Designer 3.0 can be used and further modified in SAS products accessible on the Web. Here is a list of SAS Viya products that use HTML-based SAS application themes:

- SAS Home 8.1
- SAS Report Viewer 8.1
- SAS Visual Analytics 8.1
- SAS Environment Manager 3.1

You can also preview edits to SAS application themes while accessing these SAS Viya products. The function *Edit In Context* enables you to preview edits to an application theme from another SAS Viya application. You can perform the following tasks from the *Edit In Context* pane:

- edit *Interface Styles* and *Graph Styles* color settings for an application theme
- save and publish an application theme
- switch to a different SAS Viya product to edit the theme.

Because a SAS application theme applies to the overall Viya environment, you can preview the application theme using *Edit In Context*, in any available SAS Viya products.

For more information see “Editing a Theme in Context” on page 17.

SAS Help Center

You can access the *SAS Theme Designer 3.0 User’s Guide* while in SAS Theme Designer by opening the Help Center. Select  and select *Help Center*. You can view and search the content that is available on the Help Center. The *SAS Theme Designer 3.0 User’s Guide* is available from the Help Center in HTML format and PDF.

*Note:* Pop-up blockers for your browser should be disabled in order to display the Help Center.
Chapter 2
Creating and Working with SAS Application Themes

SAS Application Themes

SAS application themes enable you to create a consistent look and feel that can be applied to multiple SAS applications in your SAS Viya environment. You can apply custom colors to different elements of your SAS Viya environment including primary elements, messages, tables, and graphs.

Creating a New Application Theme: Example

You can create a new application theme in SAS Theme Designer 3.0 by following these steps:

1. On the Theme Designer window, select New ∪ Application Theme.

Or, you can also create a new theme by selecting Starter Palettes ∪ New Application Theme. The Starter Palettes pane enables you to create a new theme that is based on a preselected set of theme colors.
A New Application Theme window appears. You can now begin making changes to the new theme. The Preview pane contains sample items that display the changes that you make to the theme.

Here is the New Application Theme window:

The theme name is displayed above the Preview pane. For application themes, the default name is New Application Theme 1. You can change the default name for a theme by clicking the default name and entering a new name.

2. You can now make changes to different color palette swatches for the theme including changes for Interface Styles and Graph Styles. The SAS Theme Designer Preview pane displays the theme as you modify it. It enables you to easily see changes that take place when theme properties are modified. Change color selections for Interface Styles using the Basic color palette. In this example, the Primary color is blue:
You can change the **Primary** color by selecting a color from the standard color palette.

The changes are displayed in the **Preview** pane.
3. Next, you can change color selections for Graph Styles. Select Graph styles on the New Application Theme window.

For example, change the first Data palette color from the default color to purple. The change is displayed in the Preview pane.

When the Live preview option is selected you can see changes in the Preview pane in real time as the changes are being made. If you clear the Live preview option, you have to click Refresh the window to see changes.

4. It is also possible to see the changes that you are making to a theme while in a different SAS Viya application. Edit in Context enables you to preview changes in other SAS Viya applications.

When you choose Edit in Context, you temporarily move to an application of your choice. Theme options are displayed in a floating pane. Your changes are applied directly to the application. This enables you to see what a SAS application will look like when your theme is used.

Click the Edit in Context button on the Theme Designer window.
On the **Edit in Context** pane, select the SAS Viya application that you want to go to. In this example, **Home** is selected. Now click the **Edit in Context** button in the **Edit in Context** pane. SAS Home opens.

5. The **Edit Theme** pane is now available from within SAS Home. You can make changes to **Interface Styles** and **Graph Styles** for the theme and view the changes as you make them. Here is the **Edit Theme** pane.

Here the **Interface Styles** pane is open.
You can also change the theme name in the **Edit Theme** pane. Click on the default theme name and enter a new name, such as **SalesMarketing** shown here.

6. After you have modified your theme, you can click on the **Edit Theme** pane to save it. You can also return to SAS Theme Designer where you can continue to make changes to your theme. To do so, click **Edit in SAS Theme Designer**.

When you return to the application theme window in SAS Theme Designer, you can continue to make changes to your theme.

7. After you have finished modifying the theme, you can save the theme as a draft or you can save and publish the theme by selecting the appropriate action in the **Save** menu as shown:

Your new theme is listed in the table of available themes. You can now use it with other SAS Viya products that consume SAS themes, such as SAS Visual Analytics 8.1. A theme must be published in order for all users to access it with other SAS Viya applications.

The Illuminate theme is the default application theme that is provided with SAS Theme Designer 3.0. You can use the Illuminate theme as a basis to create customized application themes. An administrator can set a different application theme to be the default application theme.

---

### Previewing Changes to an Application Theme

After you create or select a theme to work with, you can make changes to the theme and view those changes from the **Preview** pane. The preview pane displays various components that reflect the changes that will be applied to a SAS Viya application.

You have two ways to update the **Preview** pane:
Live Preview
when this check box is selected, the changes that you make to the theme are automatically updated in the Preview pane, as they are made.

Note: Live Preview is the default setting.

Refresh
when Live Preview is not selected, clicking the Refresh button updates the Preview pane. You must click Refresh in order to see your theme changes. When you click Refresh, a loading indicator displays until the update is complete.

Note: The Refresh button is enabled only if the Live Preview option is not selected.

When you change an option for updating, that becomes the default setting until you change it again.

Changing Palette Colors
You can modify various color settings for a theme by changing individual color palette swatches. When changing the color for a palette swatch, you can choose from Basic or Custom color changes.

Basic
The Basic tab displays a listing of Standard colors to choose from. The Current color and New color swatches are displayed. Listings of Recent custom colors and Recent standard colors are also displayed. When you select a standard color, it is added to the list of Recent standard colors.

Custom
The Custom tab displays a custom palette that enables you to select a custom color. The Current color and New color swatches are displayed. Decimal values for Red, Green, Blue, and Hex Value are also displayed.

Click on the area of the palette that you want to select a color from. The values for the color are then displayed. You can also click and drag the cursor to move over the palette. Another option is to enter the values for the red, green, and blue decimal...
values, or to enter the hexadecimal value of the color. When you have identified a
color that you want, click OK to accept the color values. When you select a custom
color, it is added to the list of Recent custom colors that is available on the Basic
tab.

Interface Styles

You can change color settings for various components of a theme on the Interface
Styles pane. You can change Global color settings for a theme as well as different
Messages color settings.

Here is the Interface Styles pane:
The **Global** color settings include the following options:

**Primary**
The primary color is used throughout the interface to set the overall tone for the application and to apply color to elements that warrant more attention. For example, some elements that use the primary color include: application banner, selection color, selected icons, increased importance buttons, active elements, high-level titles, and selected menu items.

**Tip** Use the primary color to introduce your primary brand color into the user interface.

**Neutral**
The neutral color is a mid-tone that is applied to interface elements. The neutral color should support the primary content of the page without distraction. For example, some theme elements are best read in a neutral color. Elements that use neutral colors include: page backgrounds, element backgrounds, borders, body text, links, tab tiles, table header text, deselected menu items, deselected icons, normal buttons, and helper text.

**Tip** Although it is possible to set the neutral color to any color, use of a darker tone is more likely to preserve optimal contrast ratios.

The **Messages** color settings include color options for different types of text in a theme. This includes the following text elements:
• **Information:** the selected color is applied to basic information.
• **Success:** the selected color is applied to success messages.
• **Warning:** the selected color is applied to warning messages.
• **Alert:** the selected color is applied to alert messages.

The **Preview** pane contains sample items that display the **Interface Style** changes. You can toggle between a **Table** or **Messages** view on the left side of the **Preview** pane. You can also toggle between different **Pane** views on the left side of the **Preview** pane.

**Note:** You can toggle between **Interface Styles** and **Graph Styles** on the **Property** pane. You can select **Collapse property pane** to close both settings.

---

### Graph Styles

Graph styles enable you to change color settings for graphs in SAS Viya applications.

Here is the **Graph Styles** pane:

![Graph Styles Pane](image)

The **Graph Styles** pane contains color settings for the following items:

**Global Data Colors**

These colors are used for **Solid Data Colors**, **Gradient Data Colors**, and for **Gauges**. You can change graph colors for the following items:

**Data Palette**

These colors are used in the following graph elements and are displayed on the **Preview** pane under **Solid Data Colors** and **Gradient Data Colors**:

- **Solid Fills**
- **Lines and Markers**
- **Diagram Nodes**
- **2 Color (Unidirectional) Gradients**
- **3 Color (Divergent) Gradients**

You can change the order of display for the different colors on the **Data palette** by using the **Reorder** button. If you click **Reorder**, the **Data palette**
swatches can be dragged. You can click and drag a color to rearrange the order of colors. The Preview pane shows the order of colors that you have chosen. When you are finished reordering color swatches, click Reorder to close the function.

Gauge Palette
These colors are used to customize the look of gauges and other graph elements in an application. These colors are used in gauges, increasing and decreasing values in the waterfall chart, and gradients that show KPI colors. They are displayed on the Preview pane.

---

**Editing a Theme in Context**

When you are editing an application theme, you can make changes while viewing the theme from within another SAS Viya application and see the changes applied as you make them. On the SAS Theme Designer window, click Edit in Context. The Edit in Context pane opens.

Here is the Edit in Context pane:

![Edit in Context pane]

From here, you can choose another SAS Viya application to go to. Then, select Edit in Context. The SAS Viya application that you selected opens.

You can continue making changes to your theme on the Edit Theme pane that opens in the SAS Viya application. The Edit Themes pane is opened in a fixed location of the SAS Viya application that you selected and cannot be moved.

While the Edit Theme pane is open, you cannot navigate to other SAS Viya applications from the Side menu. You should use the Edit Theme pane to choose a different application or return to SASTheme Designer. If you click the Side menu, a message pane opens with the following message: Application navigation is not available while editing a theme in context. Use the Theme Designer panel to choose a different application or return to Theme Designer.

Here is the Edit Theme pane:
From here, you can edit Interface Styles.

You can also edit Graph Styles.
You can also rename the theme and save the theme. To save the theme or modify where you are working on the theme, click to open a pane of available actions.

Here is the Edit Theme menu:

This Edit Theme menu contains the following items:

Edit in SAS Theme Designer
switches the Edit Theme pane back to the SAS Theme Designer application.

Change edit context
enables you to change the SAS Viya application that you are currently editing the theme in.

Save and publish
enables you to save and subsequently publish a theme.

Save a copy
enables you to save a copy of the theme that you are currently editing.

If you click X in the upper right corner of the Edit Theme window, then Edit in Context closes and SAS Theme Designer opens. Changes made while in Edit in Context are maintained and displayed in SAS Theme Designer.
Note: *Edit in Context* is available for use with application themes. It is not available for use with report themes.

Note: *Edit in Context* is currently unavailable for use in the Microsoft Internet Explorer 11 web browser.

---

### Saving a Theme

When you are finished editing a theme, you can save the theme by selecting **Save** or **Save and Publish** from the drop-down menu.

When a theme has not been published, both of the options **Save** and **Save and Publish** are available. If you select **Save and Publish** from the drop-down menu, the theme is published for use in SAS Viya applications. When a theme has been published and is being edited, only **Save and Publish** is available.

After you have finished making changes to a theme, you can return to the main SAS Theme Designer window by selecting **View All Items**. This option is located above the **Preview** pane.

At this point, the theme can be published for use with other SAS Viya Applications.
Chapter 3
Creating and Working with SAS Report Themes

SAS Report Themes

A SAS report theme applies a consistent look and feel to SAS report content. SAS report themes are customized for reports that are created in SAS Visual Analytics 8.1. You can apply custom colors to different elements of your SAS report theme including tables, graphs, and controls.

Creating a New Report Theme: Example

You can create a new report theme in SAS Theme Designer 3.0 by following these steps:


You can also create a new theme by selecting Starter Palettes ➔ New Report Theme. The Starter Palettes pane enables you to create a new theme that is based on a preselected set of theme colors.
A **New Report Theme** window appears.

The theme name is displayed above the **Preview** pane. For report themes, the default name is New Report Theme 1. You can change the default name for a theme by clicking the default name and entering a new name.

2. From the **Preview** pane, you can click **Choose Report**. A file selection window appears and you can select a report. In this example, the report **ProductLineReport** is selected.
3. The SAS Theme Designer Preview pane displays the report theme, enabling you to easily see theme property changes as you make them. In this example, a toy company has a report for different product lines. The report contains a table, pie chart, and a bar chart.

4. Once a report is loaded, you can make changes to different color palette swatches for the report theme. In this example, the Page Styles, Neutral color is changed from gray to blue on the Basic color palette.
5. Changes to **Graph Styles** color swatches impact the colors of the different graphs in a report. On the **Graph Styles** pane, the first default **Data palette** color is teal.

In this example, the color is changed to purple.
The color swatch change is now visible on the Preview pane in the pie chart and the bar chart colors.

6. After you have modified the report theme, you can Save the theme or Save and Publish the theme. A report theme must be published in order for it to work with SAS reports.

Note: The Umstead theme is the default report theme that is provided with SAS Theme Designer 3.0. You can use the Umstead theme as a basis to create additional customized report themes. An administrator can set a different report theme to be the default report theme.

Previewing Changes to a Report Theme

After you create or select a report theme to work with, you can make changes to the theme and view those changes from the Preview pane. The Preview pane displays the report that you select and reflects the changes that will be applied to SAS reports. You can modify Page Styles and Graph Styles colors for a report theme. You first select a report to preview the changes that you make to the report theme by clicking Choose Report on the Preview pane.
You have two ways to update the Preview pane:

**Live Preview**
when this check box is selected, the changes that you make to the theme are automatically updated in the Preview pane, as they are made.

*Note:* Live Preview is the default setting.

**Refresh**
when Live Preview is not selected, clicking the Refresh button updates the Preview pane. You must select Refresh in order to see your theme changes. When you click Refresh, a loading indicator displays until the update is complete.

*Note:* The Refresh button is enabled only if the Live Preview option is not selected.

When you change an option for updating, that becomes the default setting.

---

**Changing Palette Colors**

You can modify various color settings for a theme by changing individual color palette swatches. When changing the color for a palette swatch, you can choose from Basic or Custom color changes.

**Basic**
The Basic tab displays a listing of Standard colors to choose from. The Current color and New color swatches are displayed. Listings of Recent custom colors and Recent standard colors are also displayed. When you select a standard color, it is added to the list of Recent standard colors.

**Custom**
The Custom tab displays a custom palette that enables you to select a custom color. The Current color and New color swatches are displayed. Decimal values for Red, Green, Blue, and Hex Value are also displayed.

Click on the area of the palette that you want to select a color from. The values for the color are then displayed. You can also click and drag the cursor to move over the
palette. Another option is to enter the values for the red, green, and blue decimal values, or to enter the hexadecimal value of the color. When you have identified a color that you want, click OK to accept the color values. When you select a custom color, it is added to the list of Recent custom colors.

Page Styles

When you are working with a report theme, you can change basic color settings for different components of a report theme on the Page Styles pane.

Here is the Page Styles pane:

The Global color settings include the following options:
Primary
The primary color is used throughout the report to set the overall tone and to apply color to elements that warrant more attention.

Neutral
The neutral color is a mid-tone that is applied to report elements. The neutral color should support the primary content of the report without distraction.

Tip
Although it is possible to set the neutral color to any color, use of a darker tone is more likely to preserve optimal contrast ratios.

From the Preview pane, you can click Choose Report. A file selection window appears and you can select a report. Depending on the SAS report that you have loaded with Choose Report, different elements (that are relevant to the current report) are displayed on the Preview pane.

Once a report is loaded, you can now make changes to different color palette swatches and see them applied to the report.

Graph Styles

Graph Styles enable you to change color settings for graphs within SAS Visual Analytic 8.1 reports.

Here is the Graph Styles pane:

The Graph Styles pane contains color settings for the following items:

Global Data Colors
These colors are used for Solid Data Colors, Gradient Data Colors, and for Gauges. You can change graph colors for the following items:

Data Palette
These colors are used in report graph elements and are displayed in the selected report. Most graphs available in reports use colors that are made from or are a direct reflection of the data palette colors. The data palette controls solid fills, lines and markers, diagram nodes, and most two- and three-color gradients.

You can change the order of display for the different colors on the Data palette with the Reorder feature. If you select the Data palette swatches can be dragged. You can click and drag a color to change the order of colors. The
Preview pane shows the order of colors that you have chosen. When you are finished reordering color swatches, select to disable reordering.

Gauge Palette
These colors are used to customize the look of gauges and other graph elements in a report. These colors are used in gauges, increasing and decreasing values in the waterfall chart, and gradients that show KPI colors. They are displayed on the Preview pane.

Saving a Theme

When you are finished editing a theme, you can save the theme by selecting Save or Save and Publish from the drop-down menu.

When a theme has not been published, both of the options Save and Save and Publish are available. If you select Save and Publish from the drop-down menu, the report theme is published for use in SAS reports. When a theme has been published and is being edited, only Save and Publish is available.

After you have finished making changes to a theme, you can return to the main SAS Theme Designer window by selecting View All Items. This option is located above the Preview pane.

At this point, the theme can be published for use with other SAS Viya Applications.
Chapter 4
Managing SAS Themes

Theme Table Overview

After you have created and published a SAS theme, it is available for use in various SAS Viya applications or reports. Available SAS themes are listed in the theme table.

From here you can select a theme to open and edit. You can also publish, unpublish, duplicate, rename, export, and delete a theme. Click Select on the SAS Theme Designer window. The theme table is now in select mode. This enables selection check boxes next to each theme and displays actions that can be performed on the selected theme(s). The action icons are not enabled until one or more relevant themes is selected.

Here is the theme table in select mode.

The theme table contains the following columns:
• **Theme** displays the name of a theme. You can also sort the list of themes. To change the sort order, right-click on the **Theme** column heading. Select **Sort**. A sort menu is displayed. You can select from the following available sort options:
  
  • **Sort (ascending)**
  
  • **Sort (descending)**
  
  • **Remove sort** removes the sort option that is applied to the **Theme** column.

The Sort options **Add to sort (ascending)** and **Add to sort (descending)** are initially disabled. These options enable you to show or hide the Sort functionality. If you sort on the **Theme** column, the **Add to sort (ascending)** and **Add to sort (descending)** options are available from the **Type** column, **Sort** menu.

Here is a figure of the **Theme** Column with the **Sort** function selected:

![Figure of Theme Column with Sort function selected](image)

• **Type** displays whether a theme is an application theme or a report theme. You can also sort the **Type** column. To change the sort order, right-click on the **Type** column heading. Select **Sort**. A sort menu is displayed. You can select from the following available sort options:
  
  • **Sort (ascending)**
  
  • **Sort (descending)**
  
  • **Remove sort** - enables you to remove the sort option from the **Type** column.

The sort options **Add to sort (ascending)** and **Add to sort (descending)** are initially disabled. These options enable you to show or hide the Sort function. If you sort on the **Type** column, the **Add to sort (ascending)** and **Add to sort (descending)** options are available from the **Theme** column **Sort** menu.

• **Status** lists the status of a theme. A theme is either in a **Draft** state or is **Published**.

• **Date Modified** displays a relative time that a theme was last edited.

• **Default** indicates which themes are default themes. SAS Theme Designer provides a default application theme called Illuminate and a default report theme called Umstead.

• **Filter** enables you to search and filter the list of available themes that are listed in the **Theme** table.

The actions that you can perform are located on a toolbar in the upper left corner of the SAS Theme Designer window. Actions are enabled for a theme depending on the status of that theme. The action buttons are not enabled until one or more relevant themes is selected.
Here are the actions that you can perform a theme:

**Publish**
enables you to publish a theme so that other SAS Viya users can access the theme. Click **Select** on the SAS Theme Designer window. The theme table is now in select mode. The **Status** column lists themes as either **Draft** or **Published**. The **Publish** function is applicable only to themes that are in draft mode. Select a draft theme and click **Publish**. The theme is now published.

**Unpublish**
enables you to unpublish a theme. A theme is unpublished in order to make it unavailable to SAS Viya applications. Click **Select** on the SAS Theme Designer window. The theme table is now in select mode. Select a published theme and click **Unpublish**. The theme is now unpublished.

*Note:* The default system themes Illuminate and Umstead cannot be unpublished.

**Duplicate**
enables you to make a duplicate copy of a theme. Click **Select** on the SAS Theme Designer window. The theme table is now in select mode. Select a theme and click **Duplicate**. A copy of the theme is created.

**Rename**
enables you to rename a theme. Click **Select** on the SAS Theme Designer window. The theme table is now in select mode. Select a theme and click **Rename**. The **Rename** pane opens.

```
Rename
Please enter a theme name:
Marketing-Baseline
```

Enter a new name for the theme and select **OK**.

**Set Default**
enables you to select a published theme as the default theme. Illuminate is the default application theme and Umstead is the default report theme. A SAS Theme Designer user can set a theme other than the Illuminate or Umstead theme as the default theme.

Click **Select** on the SAS Theme Designer window. The theme table is now in select mode. Select a theme and click **Set Default**. This theme is now the default theme.

**Export**
enables you to export themes from SAS Theme Designer to a file on the browser file system. Click **Select** on the SAS Theme Designer window. The theme table is now in select mode. Select one or more themes and click **Export**. The themes are automatically exported to a file in a specified folder on your file system. See “Exporting and Importing a SAS Theme” on page 34 for more information.
Delete

enables you to delete a theme. Click Select on the SAS Theme Designer window.

The theme table is now in select mode. Select a theme and click . The Delete pane appears.

Confirm the deletion of the theme by clicking Delete.

Note: The default system themes Illuminate and Umstead cannot be deleted.

To exit the selection mode, click on Cancel.

Exporting and Importing a SAS Theme

The export function enables you to export a theme from SAS Theme Designer to a specific folder. It might be necessary to export a theme for administrative tasks or to work on a different SAS Theme Designer 3.0 installation. Users can choose to export or import themes in order to share a theme with other administrators, or to migrate themes from one SAS Viya installation to another.

To export a theme click Select on the SAS Theme Designer window. The theme table is now in select mode. Select one or more themes and click . The selected theme is automatically exported in a single file to a specified folder on your file system. The export file is labeled as ThemeDesignerExport.td. You can export multiple themes by selecting the theme check box. The themes are saved in a single, exported file.

To import a theme, click Import from the SAS Theme Designer window. A web browser file selection window appears. Select the exported theme file that you want to import and click Open. Any themes that are defined in the exported theme file are imported and listed on the Theme table.

If a theme with the same name is already listed in SAS Theme Designer, a message opens:

You can overwrite the current theme or create a second theme with an appended name.

Note: You can import only SAS Themes created with SAS Theme Designer 3.0. SAS Themes created with SAS Theme Designer for Flex cannot be imported.
Setting a Default Theme

When SAS Theme Designer is initially installed, Illuminate is the default application theme and Umstead is the default report theme. A user can set a different theme as the default application theme or default report theme. A theme must be published before you can set it as a default theme.

On the Theme table, select a theme that is listed as Published. click .

The following message appears:

Click Yes. The selected theme is now the default theme. Any user who is assigned the default theme sees the new default theme when they next log on to the system. If they are logged in when the change occurs, the new theme takes effect when they switch applications or refresh the browser.

When a theme is set as the default application theme, and it is deleted, the Illuminate theme is reset as the default application theme. When a theme is set as the default report theme, and it is deleted, the Umstead theme is reset as the default report theme.

The default system themes Illuminate and Umstead cannot be deleted or edited. If you attempt to edit either of these themes, a message pane opens that enables you to make a copy of the theme instead.

Note: The default system themes Illuminate and Umstead cannot be unpublished.

Publishing Themes

When creating and editing a SAS theme, you can keep the theme in a draft mode in order to reduce the impact of any changes on users. When you are ready for users to access the theme, you can publish the theme. You can change a theme from a draft state to a publish state at any time.

The Publish function enables you to publish a theme so that other SAS Viya applications can access the theme. Click Select on the SAS Theme Designer window.

The Theme table is now in select mode. Select a theme and click .

The theme is now published and is available to SAS Viya applications. If you want to unpublish a theme, select a published theme and click . The theme is now unpublished.

Note: The default system themes Illuminate and Umstead cannot be unpublished.
If you select **Copy Theme**, a new copy of the theme is created. For example, if you copy the Illuminate theme, the new copy is named Illuminate (Copy) by default. You can then make edits to the copy.

### Theme Designer Settings

You can access **Settings** or you can **Sign-out** of the current session from the **Application Options** menu. To access the **Application Options** menu, click on the current user name in the upper right corner of the SAS Theme Designer window. The **Application Options** menu is displayed.

To exit the current session of SAS Theme Designer select **Sign-out** on the **Application options** menu.

The **Settings** pane enables you to change **Global** user settings that apply across applications. Within the **Global** settings, you can modify **General** settings and **Accessibility** settings.

The **General** menu contains settings for basic changes to your user environment. The **Accessibility** menu contains settings for accessibility changes to your user environment.

For detailed information about these settings, see *General Usage Help for SAS Viya Web Applications*.

Click **Reset** to change any setting values back to the original settings for either **General** or **Accessibility** options. **Reset** changes the settings for the menu that you are currently in.

### SAS Help Center

You can access the *SAS Theme Designer 3.0 User’s Guide* while in SAS Theme Designer by opening the Help Center. Select ⬇️ and select **Help Center**. You can view and search the content that is available in the Help Center. The *SAS Theme Designer 3.0 User’s Guide* is available from the Help Center in HTML format and PDF.

*Note:* Pop-up blockers for your browser should be disabled in order to display the Help Center.
Assigning Users to Custom Groups

Creating themes is a highly specialized and infrequent task that should be performed only by an experienced administrator or designated visual designer. Access to SAS Theme Designer 3.0 is determined by membership in a custom group.

In order to access SAS Theme Designer 3.0, you must be included in the Application Administrators group. Membership in the Application Administrator group enables you to access and modify themes with SAS Theme Designer 3.0.

For further information about assigning users to the Application Administrator group, see “Predefined Custom Groups” in SAS Viya Administration: Identity Management.
Chapter 5
TroubleShooting SAS Theme Designer

Troubleshooting Mozilla Firefox Time Threshold

When you are working in SAS Theme Designer 3.0 on the Mozilla Firefox web browser, it is possible to encounter a warning dialog box when using Edit In Context. When you click Continue on the Edit in Context pane, the Mozilla Firefox web browser might display an unresponsive script message.

Mozilla Firefox displays this warning message when the task that you are attempting to perform takes longer than the predefined time limit for that task. You can increase the time threshold for the Mozilla Firefox web browser by increasing a run-time preference value for Mozilla Firefox.

In the Mozilla Firefox web browser, go to this URL: https://support.mozilla.org/en-US/kb/warning-unresponsive-script. The instructions for changing the browser run-time preference are listed under the topic Letting the script run longer. You will need to modify the Mozilla Firefox preference setting for dom.max_script_run_time.

Edit In Context Unavailable in Internet Explorer 11

The SAS Theme Designer Edit in Context functionality is currently unavailable for use in the Microsoft Internet Explorer 11 web browser.
Here is a list of recommended SAS documentation:

- *SAS Home Documentation*
- *SAS Report Viewer Documentation*
- *SAS Visual Analytics: Overview*
- *SAS Visual Analytics: Reference*
- *SAS Visual Analytics: Working with Report Content*
- *SAS Visual Analytics: Working with Report Data*
- *SAS 10 Administration: Identities*

For a complete list of SAS publications, go to [sas.com/store/books](http://sas.com/store/books). If you have questions about which titles you need, please contact a SAS Representative:

SAS Books
SAS Campus Drive
Cary, NC 27513-2414
Phone: 1-800-727-0025
Fax: 1-919-677-4444
Email: sasbook@sas.com
Web address: sas.com/store/books
application theme
a group of customizable specifications that enables a user to apply a consistent look and feel across multiple applications. Elements of the user interface that are affected can include messages, tables, and graphs.

report theme
a group of customizable visual specifications that apply a consistent look and feel to SAS report content. A report theme controls style selections for different elements of a report, such as tables, controls, and graphs.
Gain Greater Insight into Your SAS® Software with SAS Books.

Discover all that you need on your journey to knowledge and empowerment.