

Getting Started with Cognos Analytics

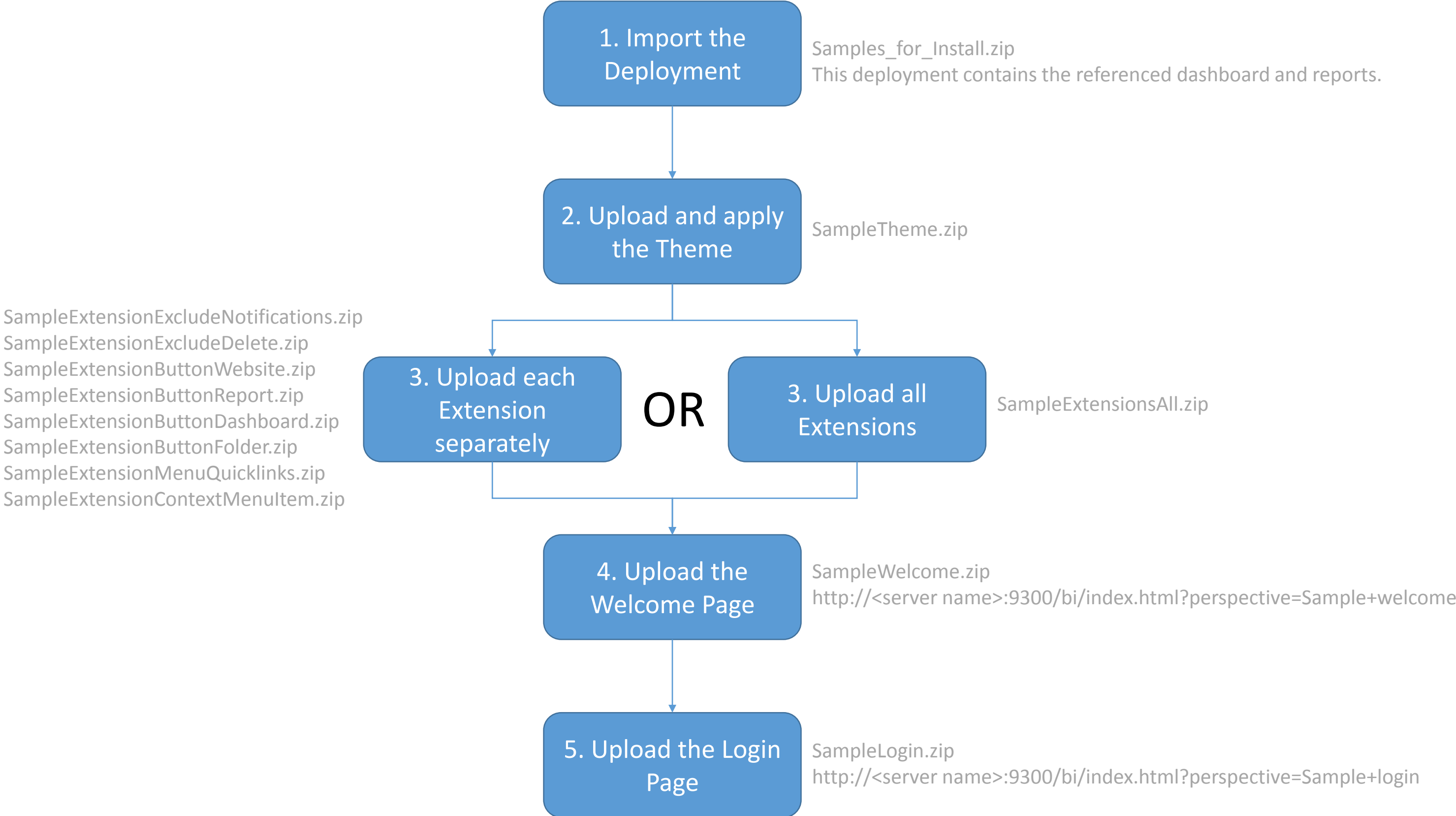
How to Create Themes and Extensions

In this video we will show the following:

1. Themes
2. Extensions
3. Welcome (Home view)
4. Login (Sign-in view)

How to Install the Samples

The samples are installed with the product here:
<Install location>\samples\



THEMES

You now have the ability to apply your own theme to IBM Cognos Analytics. The theme is applied globally to all of the perspectives in the product.

A theme is a zip file that contains *spec.json* and an *images* folder:



- The name of the zip can be anything – it is not used by the product or shown in the user interface
- No underscores

Themes are supported in the following areas of the product:

The screenshot shows the IBM Cognos Analytics interface with several components highlighted by orange arrows and labels:


- brandIconSmall**: Points to the small logo icon in the top left of the header.
- appBar**: Points to the top navigation bar containing the header text, user name, and help icon.
- brandText**: Points to the main heading text "Welcome to IBM Cognos Analytics".
- brandIcon**: Points to the large logo icon in the center of the main content area.
- navbar**: Points to the vertical navigation bar on the left side of the interface.

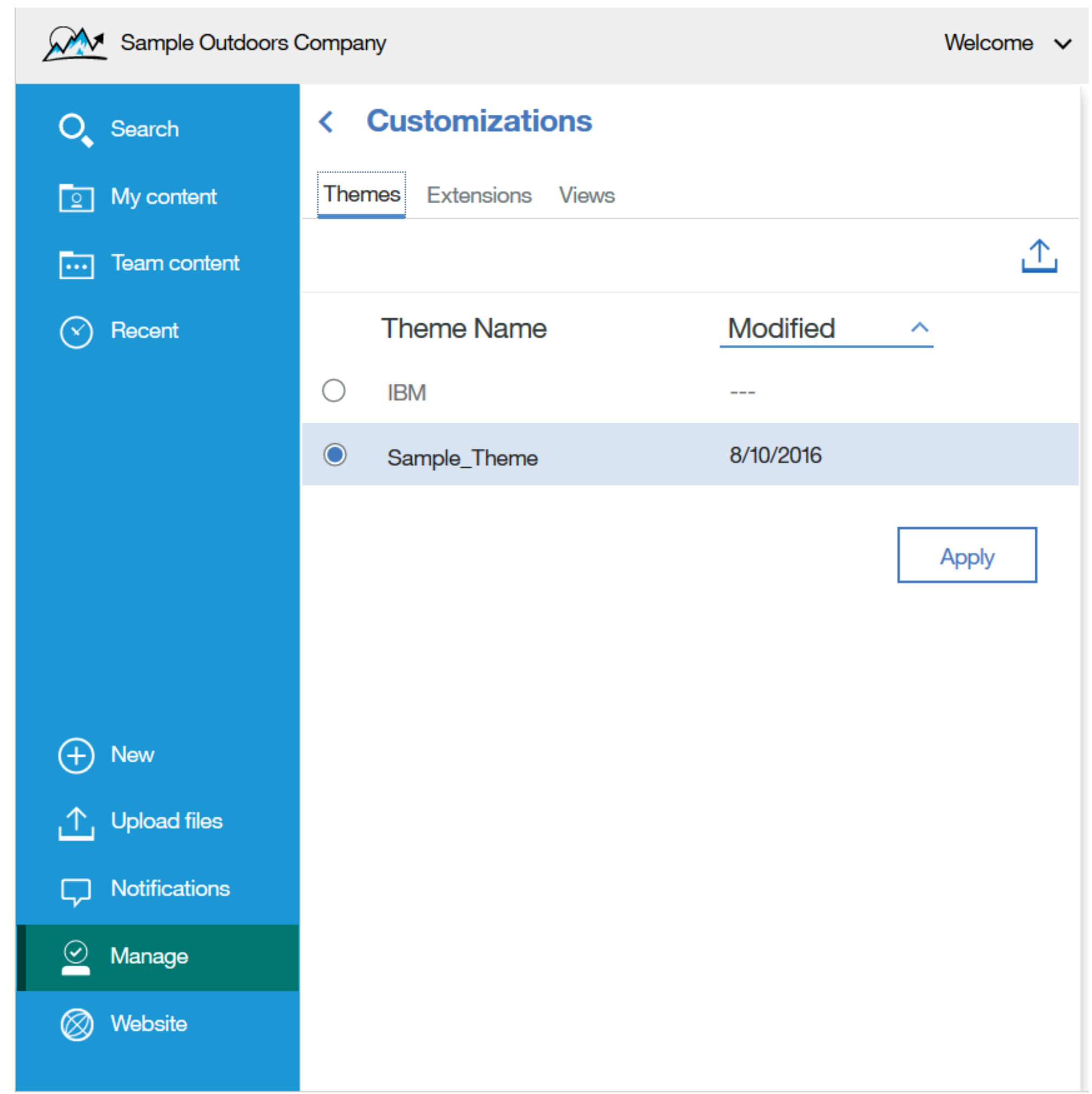
The main content area displays the text "Welcome to IBM Cognos Analytics" and "Get started by opening a report or dashboard!".


spec.json

```
{  
  "name": "Sample_Theme",  
  "schemaVersion": "1.0",  
  "brandText": "Sample Outdoors Company",  
  "images": {  
    "brandIcon": "images/logo_large.png",  
    "brandIconSmall": "images/logo_small.png",  
    "favicon": "images/logo_fav.png"  
  },  
  "colors": {  
    "appBarBackground": "#eeeeee",  
    "appBarForeground": "black",  
    "appBarSelectLine": "#033f38",  
    "appBarPushButtonBackground": "#c8d2d1",  
    "navbarBackground": "#1c96d4",  
    "navbarForeground": "white",  
    "navbarSelectLine": "#033f38",  
    "navbarPushButtonBackground": "#007670"  
  }  
}
```

Themes are uploaded to Cognos Analytics:


1. Manage > Customizations > Themes tab > click *Upload theme* icon 
2. Select the theme
3. Click Apply




Sample Outdoors Company Welcome 

Customizations

Themes Extensions Views

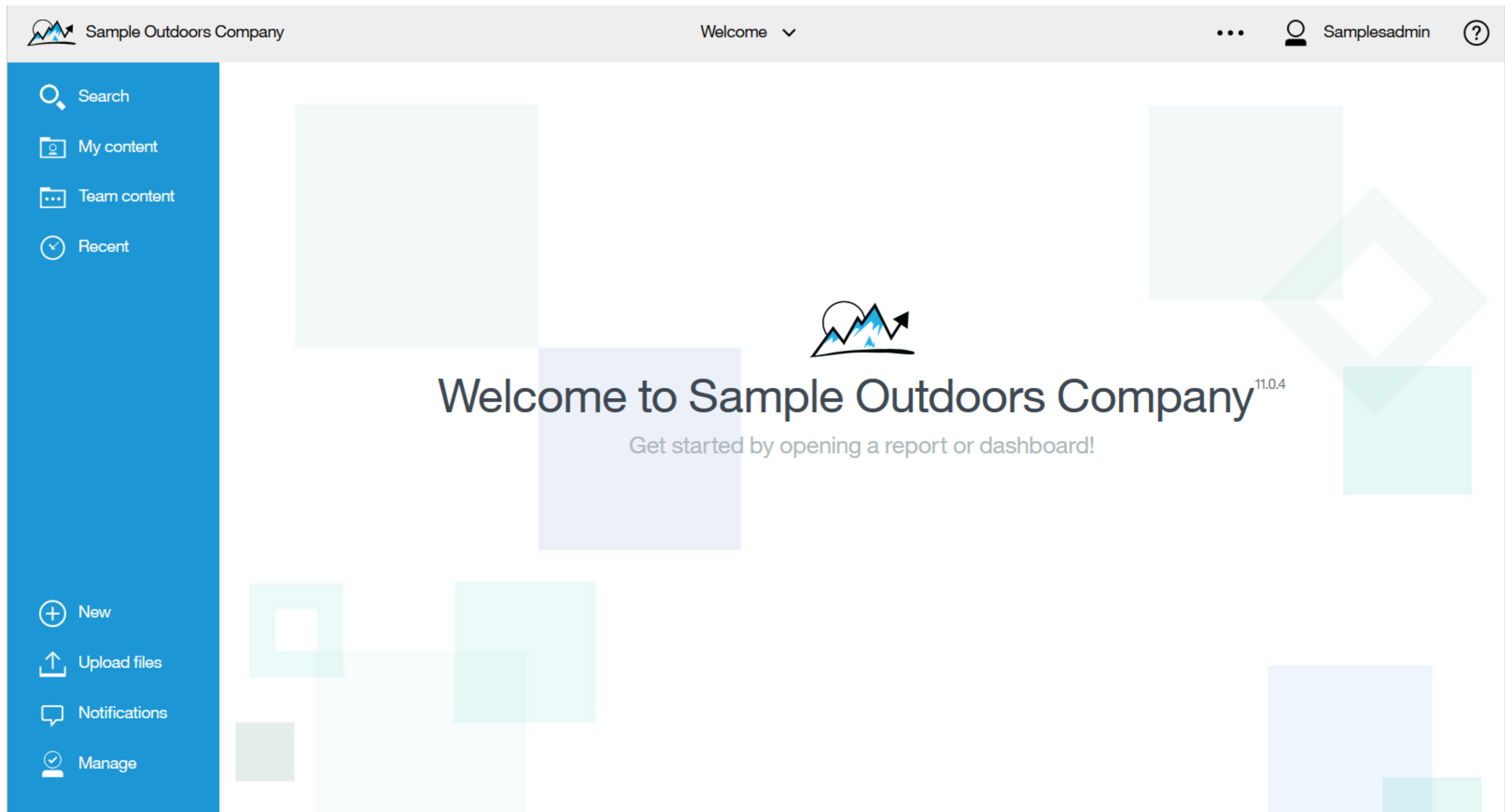


Theme Name	Modified 
<input type="radio"/> IBM	---
<input checked="" type="radio"/> Sample_Theme	8/10/2016

Navigation sidebar (Manage is active):

- Search
- My content
- Team content
- Recent
- New
- Upload files
- Notifications
- Manage (active)
- Website

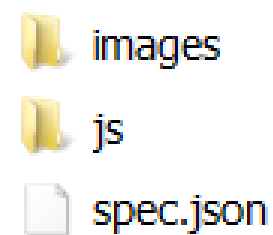
Here is the sample theme (*SampleTheme.zip*) applied:



EXTENSIONS

You now have the ability to add and remove elements in the IBM Cognos Analytics user interface for a perspective.

An extension is a zip file that contains *spec.json* and optional *images* and *js* folders:



What is a Perspective?

The IBM Cognos Analytics user interface (UI) is built on an extensible model. In this model, a perspective declaratively defines a new UI screen/capability in the Cognos user interface.

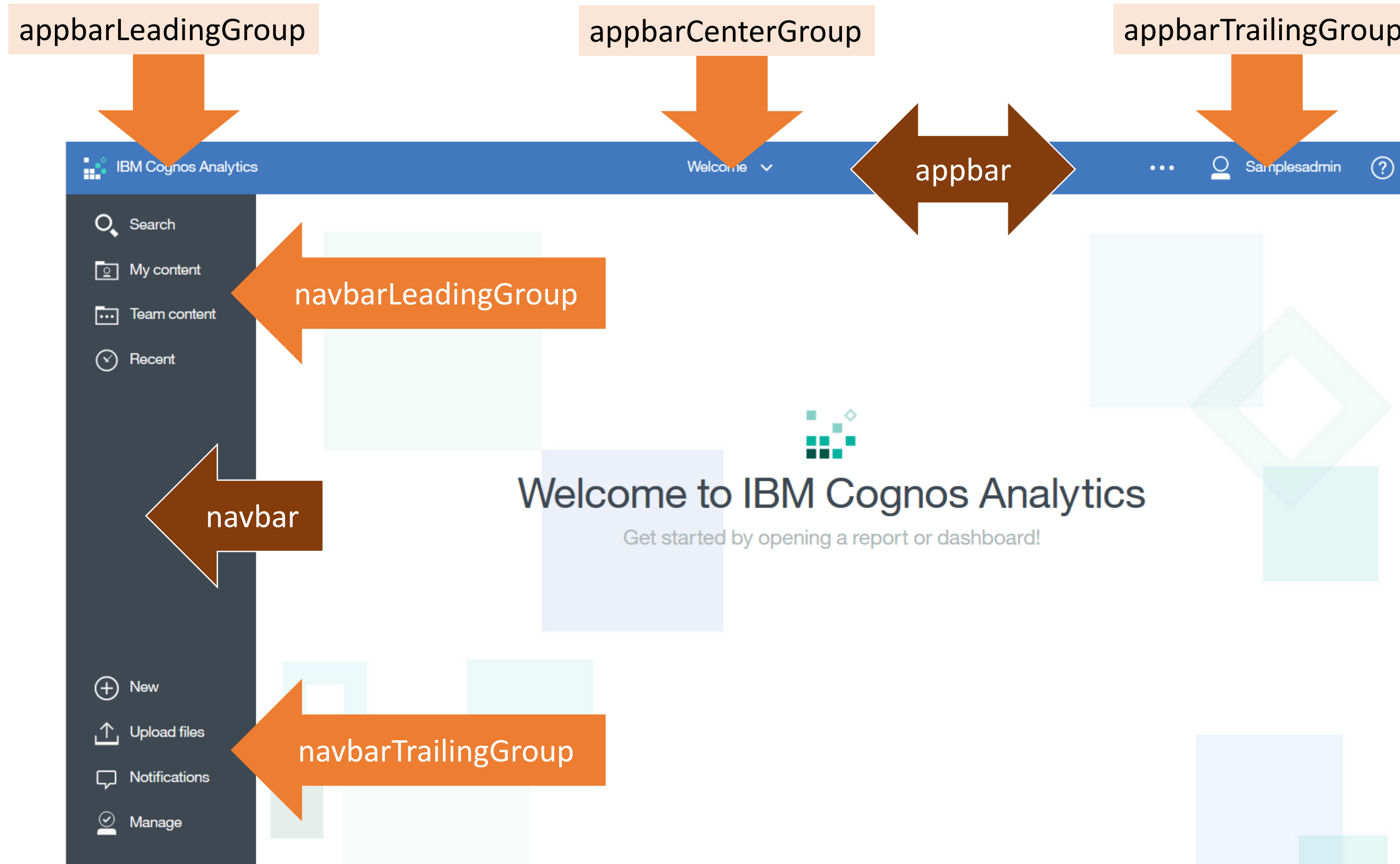
The JSON declaration for the perspective describes the layout of the perspective.

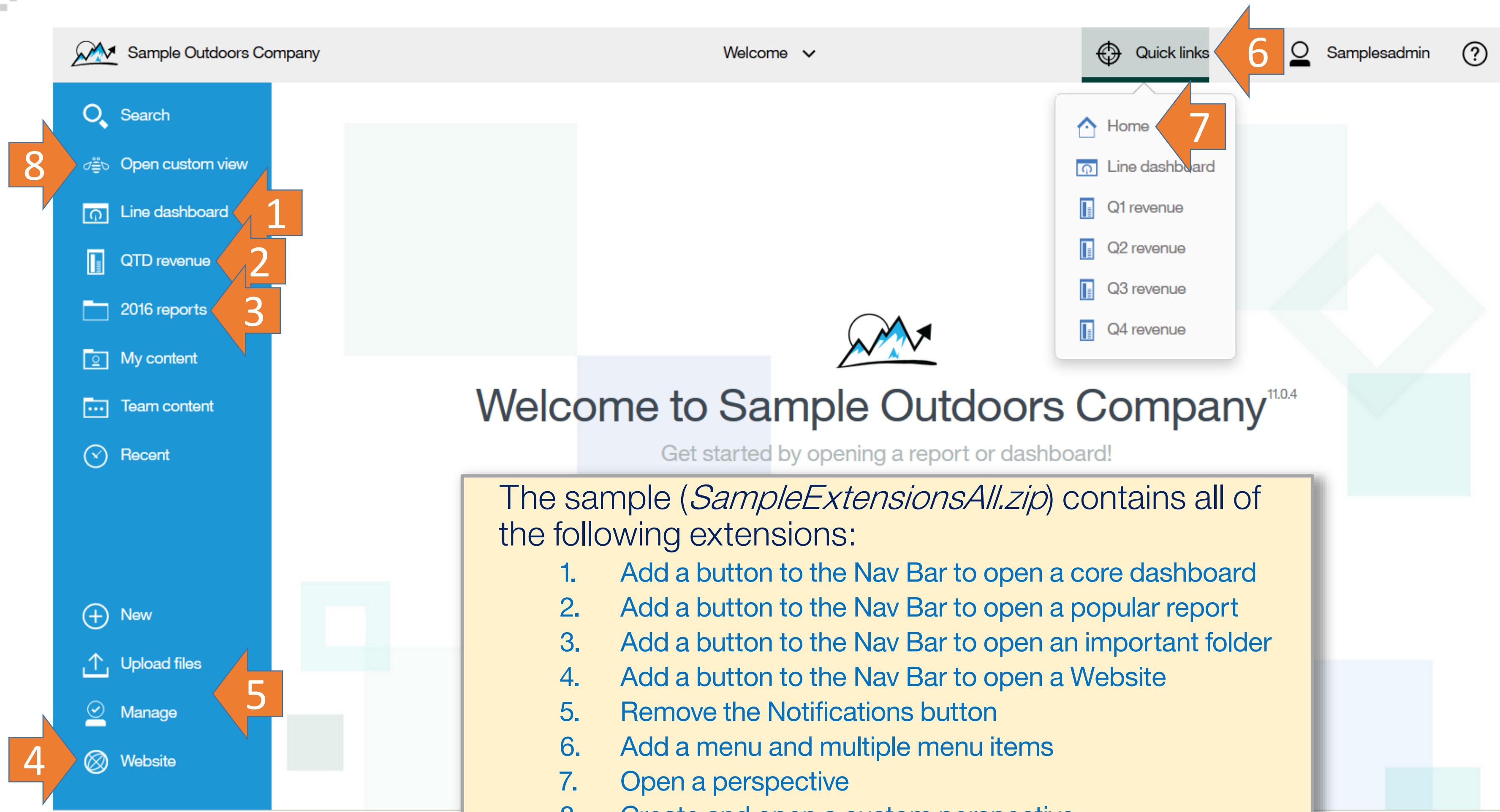
The following core perspectives are available:

- home
- authoring
- dashboard
- modeller
- common

You can also create your own perspective, as shown in the samples *SampleWelcome.zip* and *SampleExtensionButtonOpenPerspective.zip*

Extensions are supported in the following areas of the product:





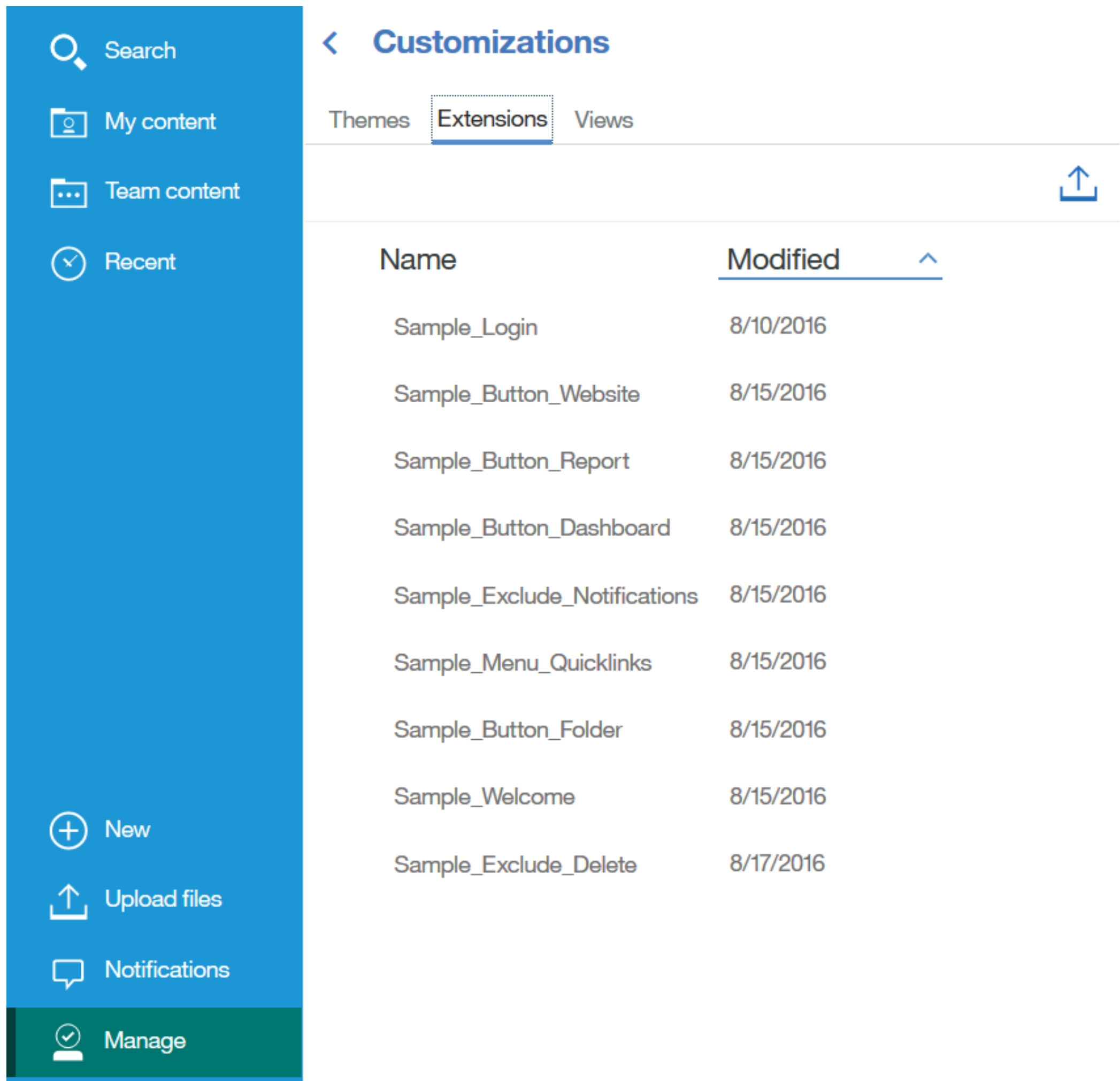
The sample (*SampleExtensionsAll.zip*) contains all of the following extensions:

1. Add a button to the Nav Bar to open a core dashboard
2. Add a button to the Nav Bar to open a popular report
3. Add a button to the Nav Bar to open an important folder
4. Add a button to the Nav Bar to open a Website
5. Remove the Notifications button
6. Add a menu and multiple menu items
7. Open a perspective
8. Create and open a custom perspective

Extensions are uploaded to Cognos Analytics:

Manage > Customizations > Extensions tab > click the *Upload extension* icon 

The extensions that are rendered in the product are a union of all of the uploaded extensions. Newer extensions will overwrite older extensions with the same name.

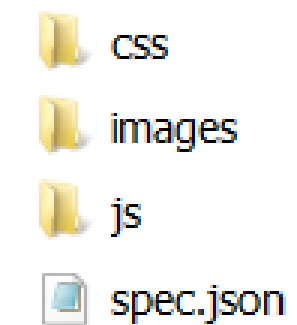


The screenshot shows the 'Customizations' interface in Cognos Analytics. On the left is a blue navigation sidebar with options: Search, My content, Team content, Recent, New, Upload files, Notifications, and Manage. The main area is titled 'Customizations' and has three tabs: Themes, Extensions (selected), and Views. An 'Upload extension' icon is in the top right. Below is a table of extensions.

Name	Modified
Sample_Login	8/10/2016
Sample_Button_Website	8/15/2016
Sample_Button_Report	8/15/2016
Sample_Button_Dashboard	8/15/2016
Sample_Exclude_Notifications	8/15/2016
Sample_Menu_Quicklinks	8/15/2016
Sample_Button_Folder	8/15/2016
Sample_Welcome	8/15/2016
Sample_Exclude_Delete	8/17/2016

WELCOME

The sample Welcome page view is actually an extension. It is a zip file that contains *spec.json* and folders for *css*, *images*, and *js*:



It is a copy of the default Home page that has been themed, extended, css styled, and modified.

Rather than using the product's css, the sample links to its own version of the css.

After the sample Welcome page extension is uploaded, you can view it by setting the product's URL to:

<http://<server>:9300/bi/index.html?perspective=Sample+welcome>

spec.json

The *name* appears in the UI and in all paths

The name of the perspective

Identifies the HTML of the page

```
{
  "name": "Sample_Welcome",
  "schemaVersion": "1.0",
  "extensions": [{
    "perspective": "Sample welcome",
    "features": [{
      "id": "com.sample.welcome",
      "toolItems": [],
      "content": {
        "type": "v1/ext/Sample_Welcome/js/views/SampleWelcomeView",
        "options": {
          "info": {
            "title": "Sample welcome",
            "icon": "v1/ext/Sample_Welcome/images/bee_blue.svg"
          }
        }
      }
    }
  ],
  "cssStyles": [
    "v1/ext/Sample_Welcome/css/SampleWelcomeCSS.css"
  ]
}]
}
```

Identifies a dedicated stylesheet

SampleWelcomeView.html

Background image

Logo

```
<div class="sampleWelcome">
  <div class="sampleWelcomeContent" style="background-image:
  url('v1/ext/Sample_Welcome/images/welcome_background.jpg'); background-position: center bottom;
  background-size: cover; overflow: hidden">
    <div class="sampleLabelContainer">
      <div class="sampleWelcomeLogo"></div>
      <div class="samplePromptLabel">
        <div class="samplePrimaryWelcomeMsg" style="text-shadow: color: #606060; font-size:
        42px; text-shadow: -1px -1px 0 #fff, 1px -1px 0 #fff, -1px 1px 0 #fff, 1px 1px 0 #fff">
        Sample Outdoors Company</div>
        <div class="sampleSecondaryWelcomeMsg" style="display: inline-block; font-weight: bold;
        color: #000000">Welcome to your corporate analytics portal!</div>
        <div class="sampleSecondaryWelcomeMsg" style="display: inline-block; font-size: 14px;
        color: #000000; margin-top: 20px">Please choose an action from the navigation bar on the
        left, or view a <a href="
        https://www.youtube.com/playlist?list=PLfj0kQVlOS51CiPUIo-graUsrn3vqMmGP" target=
        blank
        ><b>Get Started</b><a> video.</div>
      </div>
    </div>
  </div>
</div>
```

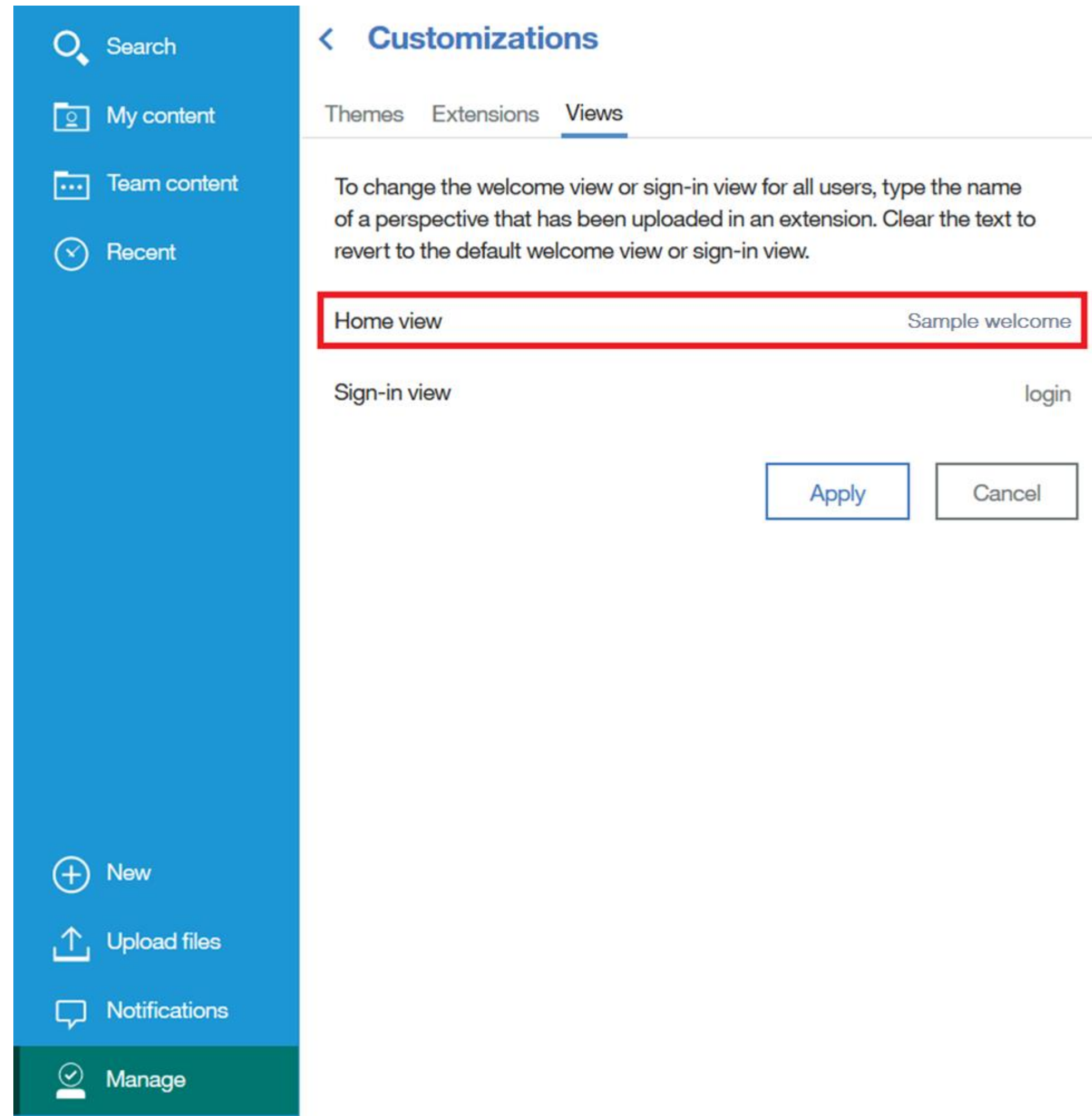
Multiple styled text strings

URL link

All of the *classes* have been modified to point to the sample css

After you upload the sample Welcome Page view (in the same way as you upload any other extension), you can set it as the default *Home view* for Cognos Analytics:

Manage > Customizations > Views tab > type the name of the perspective in the *Home view* section > click *Apply*

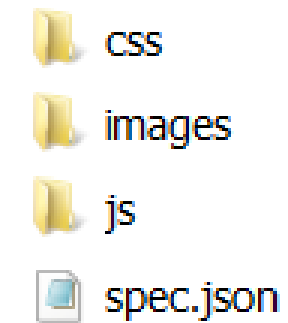


Here is the sample Welcome Page applied:

The screenshot shows a corporate analytics portal. At the top, there is a navigation bar with a logo on the left, the text "Sample welcome" with a dropdown arrow, "Quick links" with a target icon and three dots, "Samplesadmin" with a user icon, and a help icon. On the left side, there is a blue sidebar with a list of navigation items: Search, Open custom view, Line dashboard, QTD revenue, 2016 reports, My content, Team content, Recent, New, Upload files, Notifications, Manage, and Website. The main content area features a background image of a mountain range with tents in the foreground. In the center, there is a logo of a mountain range with an upward arrow, followed by the text "Sample Outdoors Company" and "Welcome to your corporate analytics portal!". Below this, there is a message: "Please choose an action from the navigation bar on the left, or view a [Get Started](#) video." In the bottom right corner, there is a small text credit: "Image (C) Thinkstock".

LOGIN

The sample Login Page view is actually an extension. It is a zip file that contains *spec.json* and folders for *css*, *images*, and *js*:



It is a copy of the default Login page that has been themed, extended, css styled, and modified.

Rather than using the product's css, the sample links to its own version of the css.

After the sample Login page extension is uploaded, you can view it by setting the product's URL to:

<http://<server>:9300/bi/index.html?perspective=Sample+login>

spec.json

The *name* appears in the UI and in all paths

The name of the perspective

Identifies the HTML of the page

```
{
  "name": "Sample_Login",
  "extensions": [{
    "perspective": "Sample login",
    "features": [{
      "id": "com.sample.login",
      "excludeItems": ["com.ibm.bi.glass.navbar", "com.ibm.bi.glass.appbar"],
      "cssStyles": [],
      "content": {
        "type": "v1/ext/Sample_Login/login/js/views/SampleLoginView",
        "options": {
          "info": {
            "title": "Sample login"
          }
        }
      }
    }
  ],
  "cssStyles": ["v1/ext/Sample_Login/login/css/SampleLoginCSS.css"]
}]
}
```

Identifies a dedicated stylesheet

SampleLoginView.html

```

<div class="sampleLoginView"
  style="background-image: url('v1/ext/Sample_Login/login/images/login_background.jpg'); background-size: cover; background-position: center; overflow: hidden">
  <div id="branding" class="sampleLoginBranding">
    <div style="text-shadow: color: #606060; font-size: 36px; text-shadow: -1px -1px 0 #fff, 1px -1px 0 #fff, -1px 1px 0 #fff, 1px 1px 0 #fff" class="sampleBrandingText">
      Welcome!</div>
    </div>
    <div class="sampleLoginForm sampleFlexDisplay sampleFlexRow sampleFlexCenter" role="form"
      aria-labelledby="branding">
      <div class="sampleFormContent sampleFlexDisplay sampleFlexColumn sampleLoginFormPromptContainer"
        style="background-image: url(images/loginPrompt_background.jpg); background-size: 100% 100%">
        <div class="sampleFlexDisplay sampleFlexRow sampleFlexCenter"></div>
        <div class="sampleFlexDisplay sampleFlexColumn sampleFlexCenter">
          <div class="sampleLoginLabel">Log in with your <span>Cognos User</span> ID</div>
          <div class="sampleTextContainer sampleFlexDisplay sampleFlexRow sampleFlexCenter">
            <div style="background-color: #23B0E5" class="sampleImageContainer">
              
            </div>
            <input id="sample.username" name="CAMUsername" autocorrect="off" autocapitalize="off"
              placeholder="User Name" aria-label="User Name" class="sample.username sampleAuthInput"
              type="text">
          </div>
          <div class="sampleTextContainer sampleFlexDisplay sampleFlexRow sampleFlexCenter">
            <div style="background-color: #23B0E5" class="sampleImageContainer">
              
            </div>
            <input id="sample.password" name="CAMPASSWORD" placeholder="Password" aria-label="Password"
              class="sample.password sampleAuthInput sampleUserPromptInput" type="password">
          </div>
        </div>
      </div>
      <div class="sampleFlexDisplay sampleFlexColumn sampleFlexCenter">
        <div class="sampleFlexDisplay sampleFlexRow sampleFlexCenter">
          <button type="button" id="sample.login" class="sample.loginBtn sampleSignInBtn">Log in</button>
        </div>
      </div>
      <div class="sampleFlexDisplay sampleFlexRow sampleFlexCenter">
        <div class="sampleLegalText">Licensed Materials - Property of IBM Corp. © Copyright IBM Corporation and other(s) 2016. IBM, the IBM logo, ibm.com and Cognos
          are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide.</div>
      </div>
      <div class="sampleFlexDisplay sampleFlexRow sampleFlexCenter">
        <div class="sampleIncorrectLoginText"></div>
      </div>
    </div>
  </div>
</div>

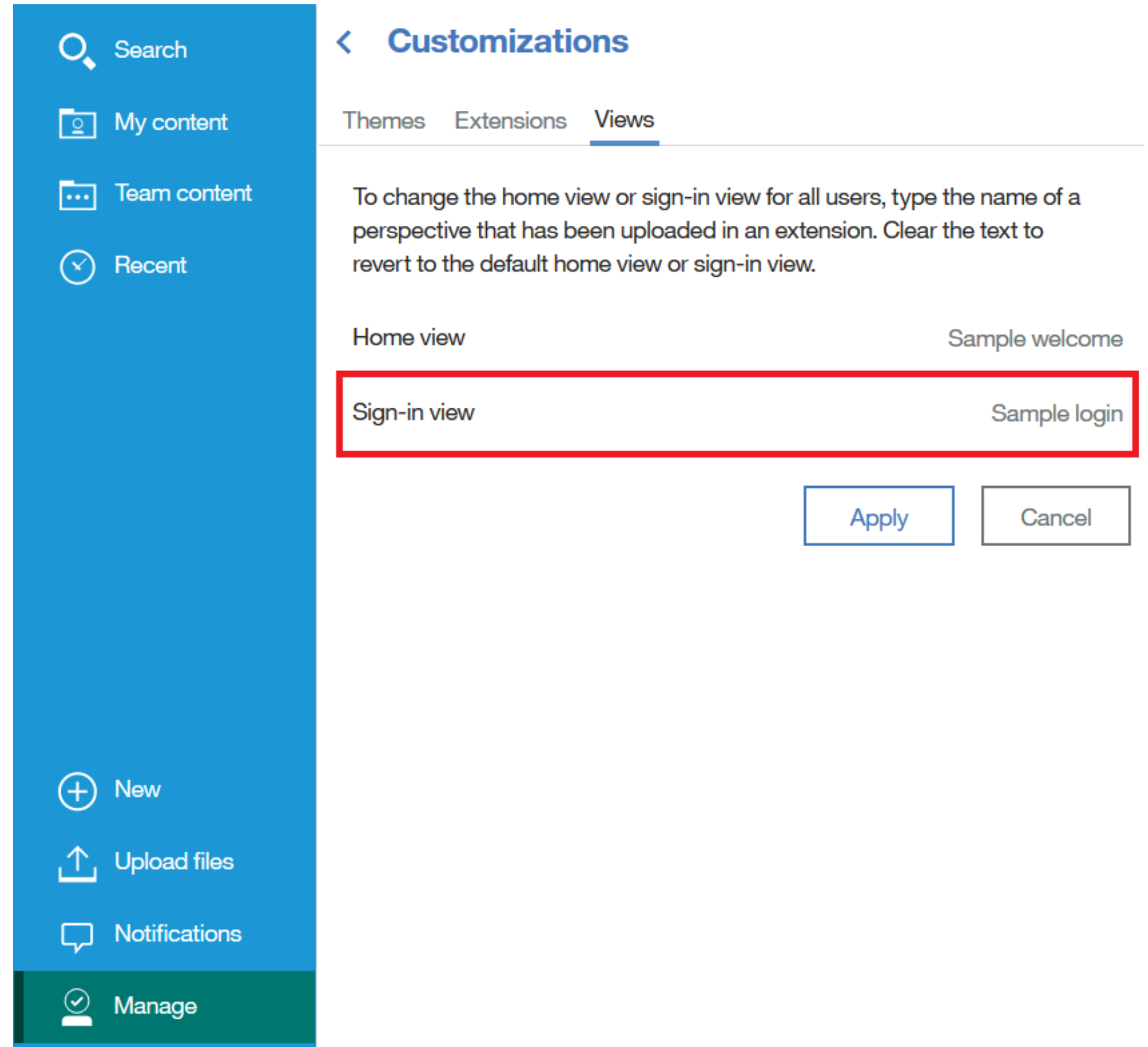
```

The elements that have been modified are highlighted in red

All of the *classes* have been modified to point to the sample css

After you upload the sample Login Page view, you can set it as the default *Sign in view* for Cognos Analytics:

Manage > Customizations > Views tab > type the name of the perspective in the *Sign-in view* section > click *Apply*



The screenshot shows the 'Customizations' interface in Cognos Analytics. On the left is a blue navigation pane with options: Search, My content, Team content, Recent, New, Upload files, Notifications, and Manage. The main area is titled 'Customizations' and has tabs for Themes, Extensions, and Views. Below the tabs, there is a text instruction: 'To change the home view or sign-in view for all users, type the name of a perspective that has been uploaded in an extension. Clear the text to revert to the default home view or sign-in view.' There are two input fields: 'Home view' with the text 'Sample welcome' and 'Sign-in view' with the text 'Sample login'. The 'Sign-in view' field is highlighted with a red border. At the bottom right, there are 'Apply' and 'Cancel' buttons.

Here is the sample Login Page applied:

