

API-Portal

Customization Guide

Version 9.9

October 2015

CONTENTS

1	Introduction	3
1.1	Story about SAG Tours - A Fictitious Company	3
2	Customizing the Portal.....	4
2.1	Create a View	5
2.2	Activate the View	6
2.3	Customize the Pages	6
2.3.1	<i>API-Portal UI Framework</i>	<i>6</i>
2.3.2	<i>Customize the Home Page</i>	<i>7</i>
2.3.3	<i>Customize the API Gallery Page.....</i>	<i>20</i>
2.3.4	<i>Customize the API Details Page</i>	<i>24</i>
2.3.5	<i>Customize the Get Access Token Page</i>	<i>29</i>
3	Backup and Restore	32
4	Customization Upgrade from API-Portal 9.8 to 9.9.....	33

1 Introduction

webMethods API-Portal helps enterprises get their APIs. API-Portal provides a lightweight consumer oriented user interface primarily designed to allow a provider to publish the APIs they want to expose to a consumer. At a higher level, it is a Web-based developer portal through which:

- Developers can discover APIs
- Developers can test the APIs
- Developers can get commercial and technical usage information about the APIs
- Developers can sign up, register for APIs and request API Keys
- API providers can advertise their APIs
- API provider and consumer can collaborate
- API providers can manage tenants

webMethods API-Portal is highly customizable. The portal can be completely rebranded to your company's look and feel. You can change the predefined rendering of templates that affect the layout, fonts, styles, and images, you can add your own content blocks and style sheets, include java widgets, and so on. You can even rearrange the navigation or include additional links.

This guide describes detailed procedures for customizing API-Portal by using a demo company called **SAGTours**. You can use these steps as pointers to customize the portal to meet your company's requirement.

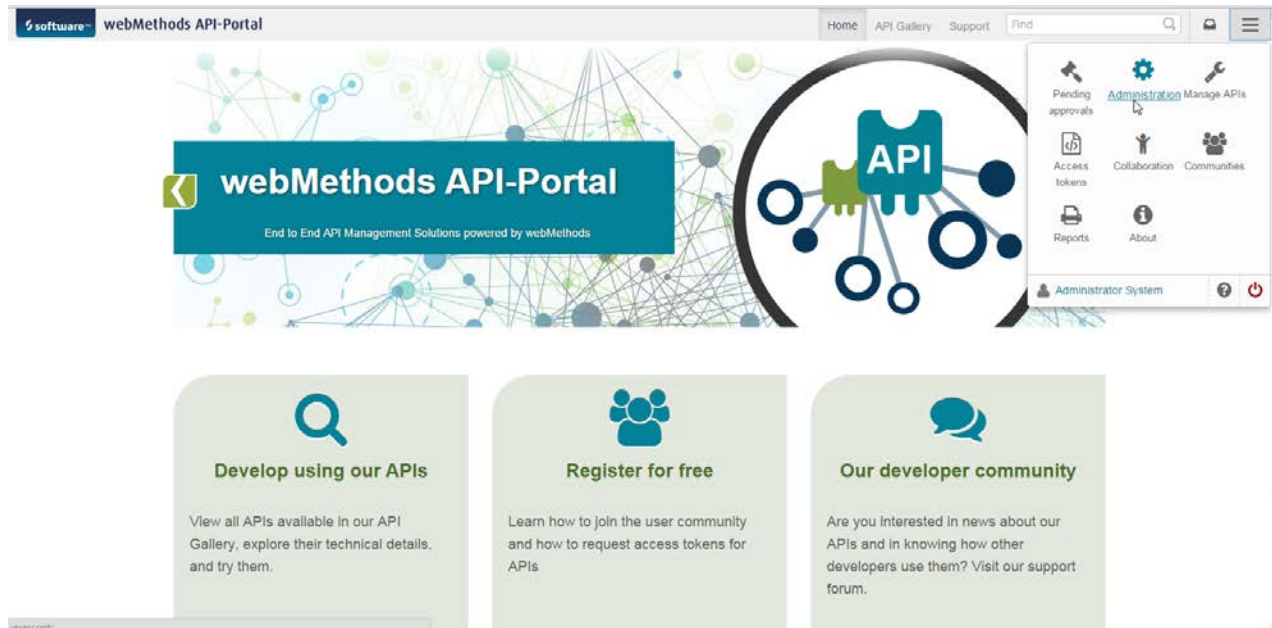
1.1 Story about SAG Tours - A Fictitious Company

The company **SAGTours** is a travel company offering the booking of sea cruises. It primarily operates through its retail agency business and an e-commerce shop. It is now driving an open API initiative along its traditional sales channels as it has recognized the opportunity that APIs allow to generate additional revenue. The expectation of **SAGTours** is that third parties will create innovative new travel applications and mobile applications where the content from **SAGTours** provided through APIs is used. Through SAGTours APIs they want to allow the third parties to access booking capabilities that **SAGTours** uses in its current channels. To support their API initiative they host an API developer portal that exposes their APIs. The next few sections describe different steps used for customizing API-Portal to meet the requirements of **SAGTours**. You can use these steps as pointers to customize the portal to meet your company's requirement.

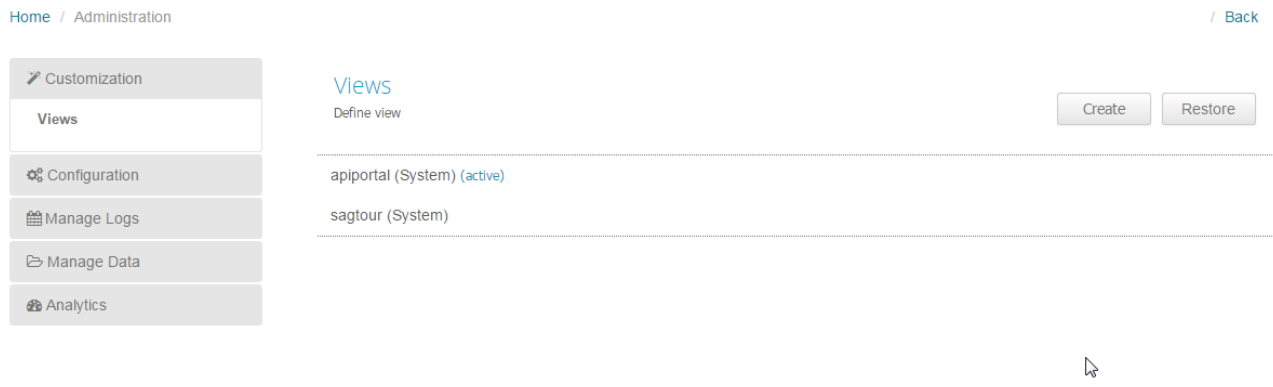
Note: In order to demonstrate the various customization and content representation capabilities of API-Portal, the product by default ships a view called **sagtours** that contains customized pages for **SAGTours** company. Hence in this guide, we try to create a view called **mysagtours** from the default **apiportal** view that looks similar to **sagtours**.

2 Customizing the Portal

API-Portal is fully customizable. You should have API Administrator role privilege to customize API-Portal.



The API-Portal user interface rendering behavior is defined using Views. The list of views can be found in the Administration page. API-Portal comes with two views - **apiportal** and **sagtours**. By default, **apiportal** view is active and the user can select the **sagtours** view by clicking and activating it.

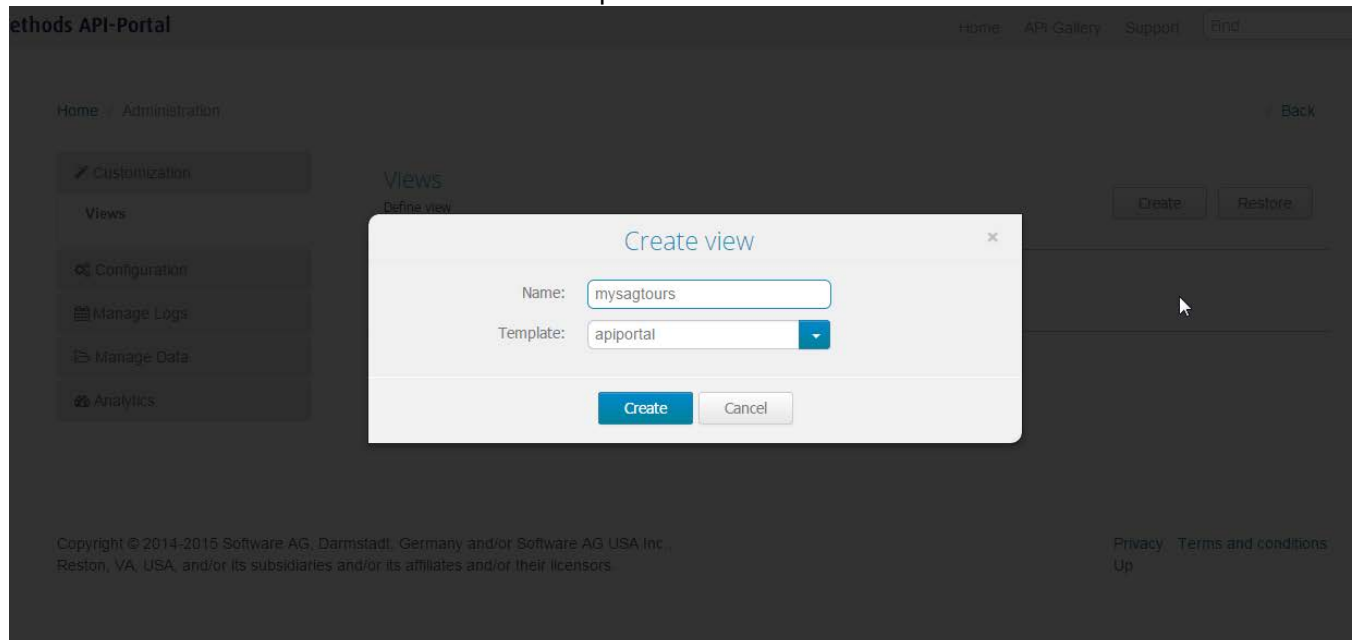


2.1 Create a View

The Administrator can create a personal view by clicking **Create** in the **Views** page. While creating the view, the Administrator should base it on the **apiportal** template. By basing it on **apiportal** template, the Administrator has a fully functional view and can start modifying the new view based on current requirements. For **mysagtours**, you have to base it on the **apiportal** view.

To create a view:

1. Login to API-Portal user interface.
2. In the main menu options, click **Administration**.
3. In the Administration page, click **Create**.
4. In the **Create View** dialog, provide the view name and select the template from the drop-down list.
5. Click **Create** to create a new view with the specified name.



2.2 Activate the View

Before proceeding to customization, the Administrator has to *activate* the new view.



Copyright © 2014-2015 Software AG, Darmstadt, Germany and/or Software AG USA Inc., Reston, VA, USA, and/or its subsidiaries and/or its affiliates and/or their licensors.

[Privacy](#) · [Terms and conditions](#)
Up

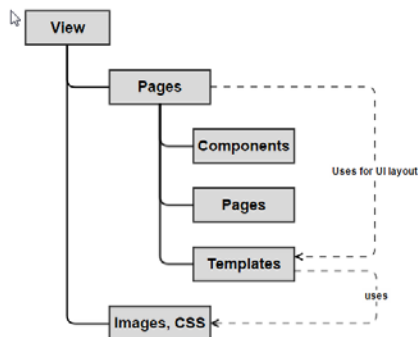
2.3 Customize the Pages

This section describes the steps required for customizing the pages in **mysagtours** view.

Before customizing the **mysagtours** view, it is important to have some basic understanding of how the API-Portal UI framework and the UI elements are organized.

2.3.1 API-Portal UI Framework

A view (for example, **mysagtours**) contains a set of pages, templates, components, and other supporting resources. You have to make changes to these files within the view to alter the UI rendering of API-Portal. A page is the logical container of all the elements in a UI page. The page with the help of templates defines the layout of the elements in a UI. A page in turn can contain inner pages and components. The components are operational elements in the UI, for example, UI widgets, buttons, and so on.

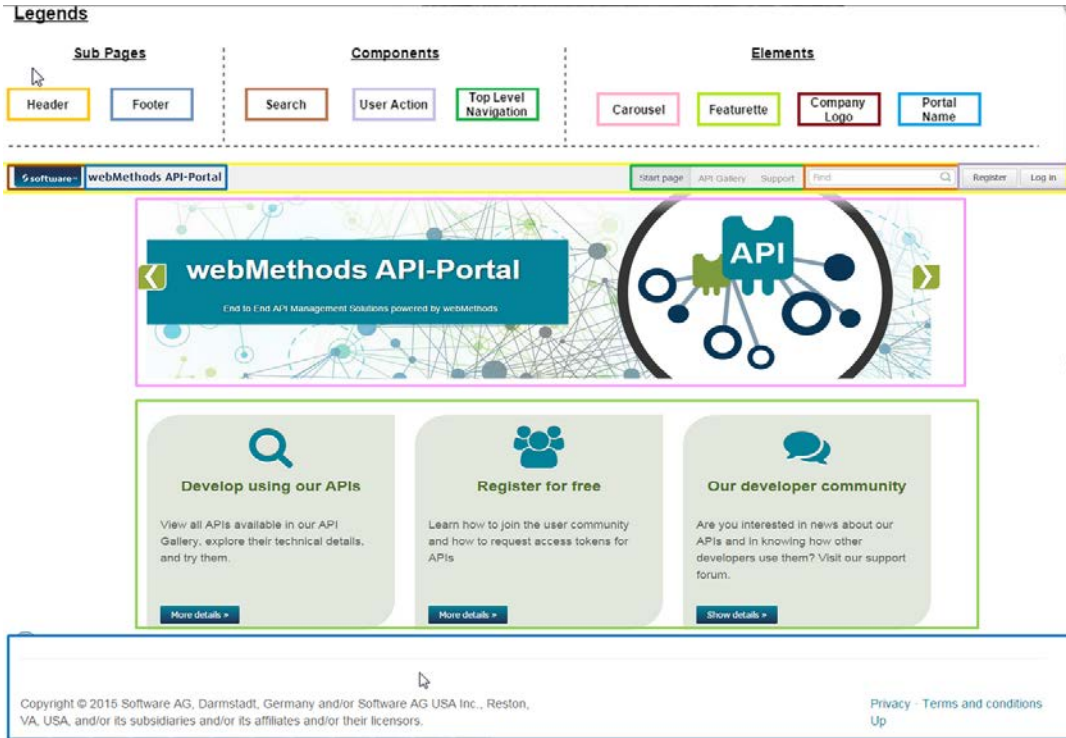


Expertise:

Though the basic UI development knowledge (HTML, CSS, JavaScript) is sufficient in most of the places, some areas might require you to have a knowledge on API-Portal UI framework (Copernicus).

2.3.2 Customize the Home Page

You can customize the API-Portal landing page for **mysagtours** view. Before starting with the customization, let us take a look at the anatomy of the landing page and the different elements (pages, templates, components, css, images, and so on) that constitute the landing page.



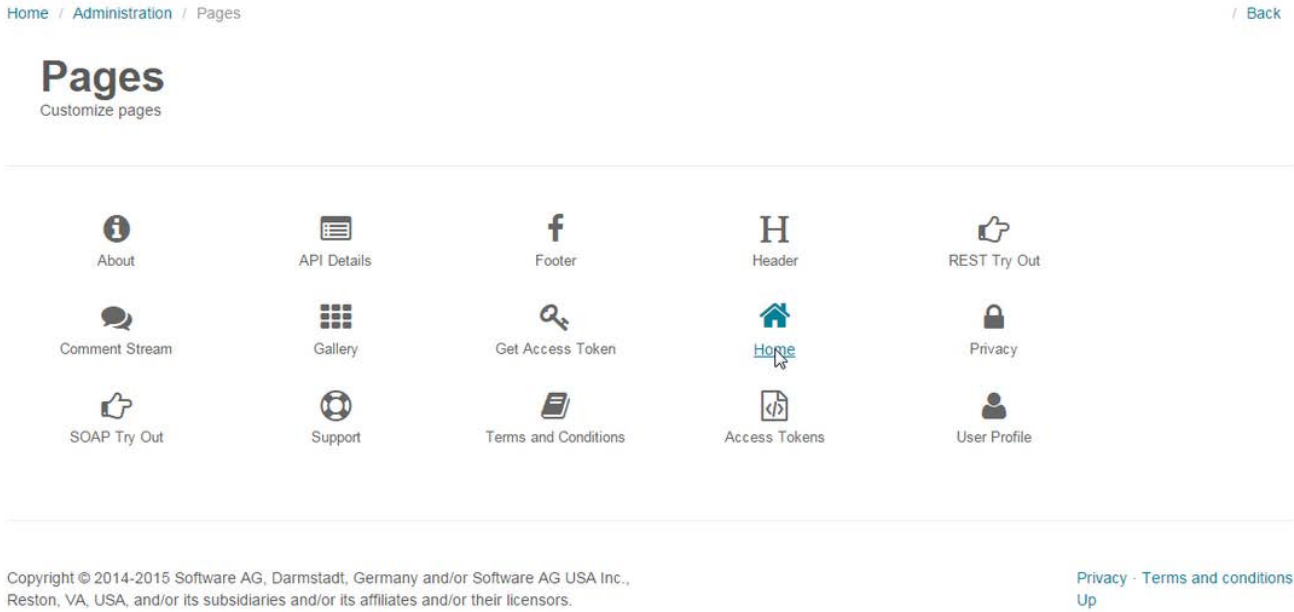
At a high level, the landing page consists of 3 sections - Header, Body, and Footer. The elements in each of these sections are fully customizable. In order to customize API-Portal, you have to edit the **mysagtours** view as shown below.

In the **Administration > Views** page, click **Edit** to navigate to the Customization page. A list of pages available for editing is displayed in the Customization page.

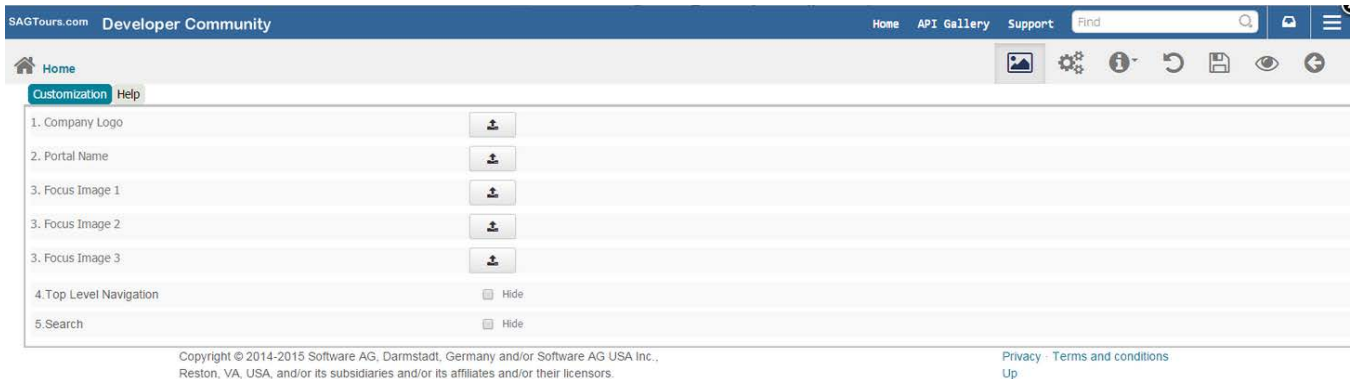


Customizing the API Header

For customizing the API Header, select the **Home** page.



Here, you can modify the header color, the alignment of the Company logo, and colors of the items in top level navigation. For customizing the API Header, upload the images for Company Logo and Product Name in the Basic Configuration of Home Page. (**Note:** The images are displayed in white background).



In order to make the required changes to the Header, you have to make these new CSS classes available to API-Portal. Once this is done, these classes can be referred in the templates. Add the following CSS classes to the CSS section of the Header page.

Element	Modified Style required mysagtours
api-header-logo	Type - CSS

Element	Modified Style required mysagtours
	<p>Corresponds to - Styling for Company Logo</p> <p>Changes Required - Alignment</p> <pre>.sagtours-logo.api-header-logo { height: 16px; margin: 12px 10px; } #productname { height: 17px; width: 170px; }</pre>
<p>navbar-inner</p>	<p>Type - CSS</p> <p>Corresponds to - Styling for Header</p> <p>Changes Required - Color and Size</p> <pre>#api-header-container .navbar-inner { background: #336699 !important; height: 40px; }</pre>
<p>current-user-id</p>	<p>Type - container</p> <p>Corresponds to - User Action Element</p> <p>Changes Required - Font Color</p> <pre>#current-user-id { color: #fff !important; }</pre>
<p>.navigationBar li.navigationItem > a</p>	<p>Type - CSS</p> <p>Corresponds to - Styling for Top Level Navigation</p> <p>Changes Required - Font and Color changes</p> <pre>#masthead-topLevelnavigation .navigationBar li.navigationItem > a { color: #FFFFFF; font-family: Consolas; height: 18px; text-shadow: 0 1px 0 #ffffff; line-height: 14px !!important; } #notification-container{ color: #FFFFFF; } .menu-icon-container{ background-color: transparent; color: white; } #notification-icon:hover, .menu-icon-container:hover, #notification-icon:active, .menu-icon-container:active, #notification-icon:focus, .menu-icon-container:focus { background-color: #336688 !important; }</pre>

Element	Modified Style required mysagtours
	}

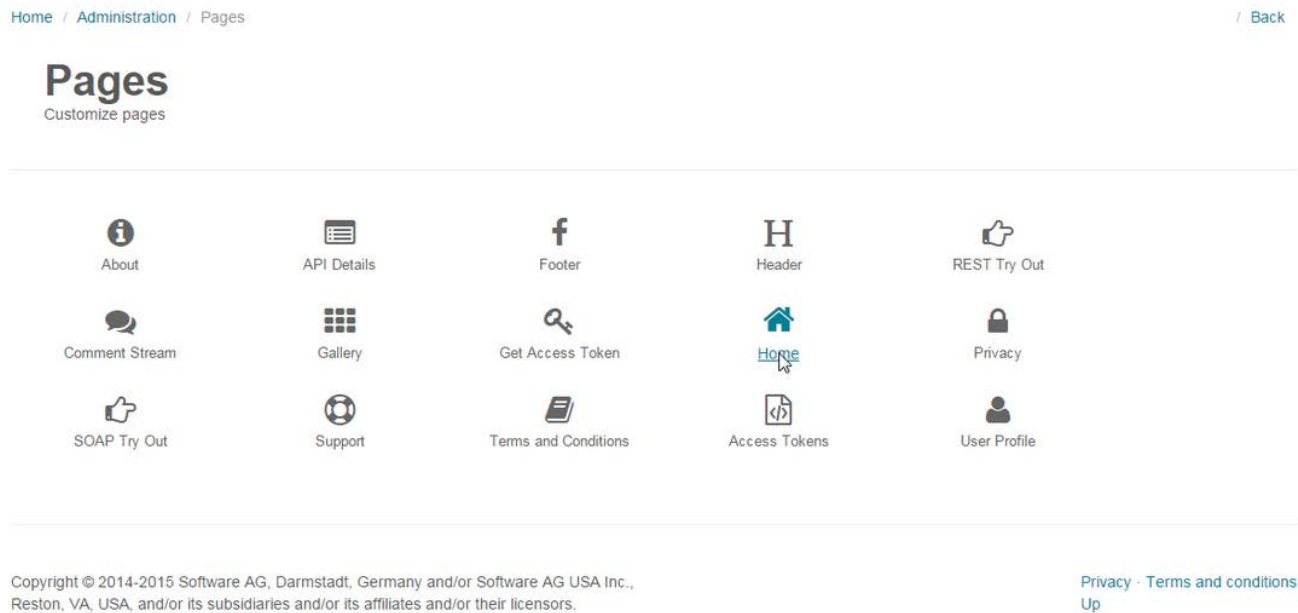
Now these CSS classes can be referred in the HTML templates. In the HTML template of Header page only change that has to be incorporated is to use the **sagtours-logo api-header-logo** instead of **api-header-logo** class for the Company logo element.

Expert tip:

Note that the container or styles corresponding to each of the elements in the UI can be found using **Inspect Element** feature. This is part of debugging capabilities of the browsers.

Customizing the Home Page

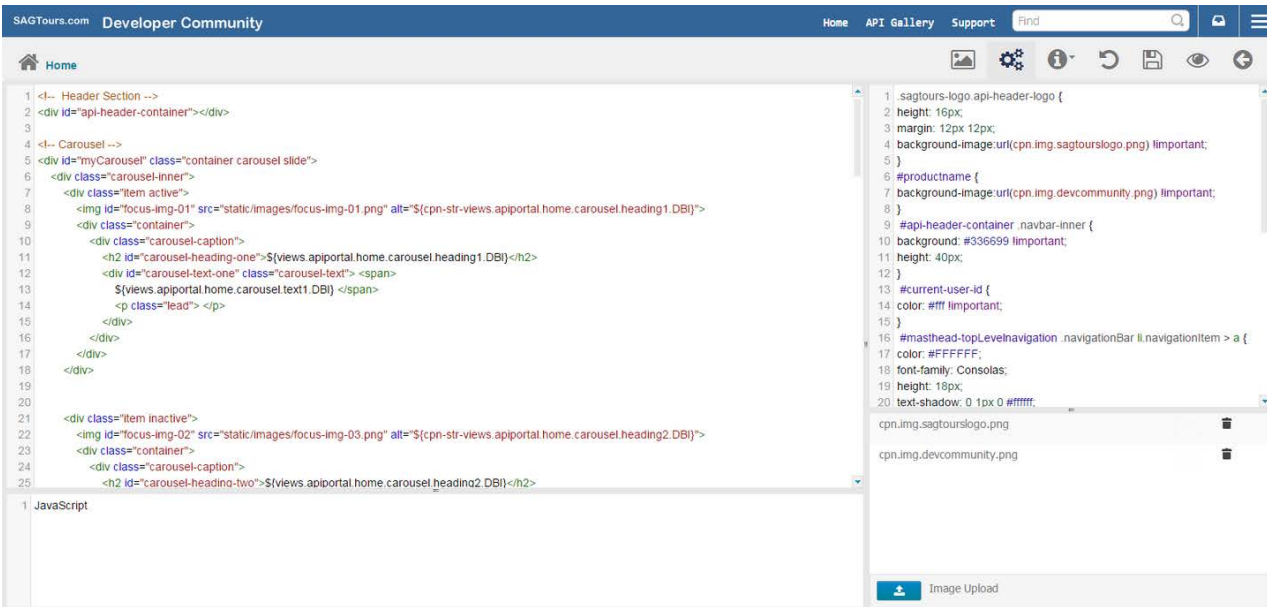
Select the **Home** page for editing.



Basic and Advanced Configurations

The **Home** page can be customized using either the Basic Configuration or Advanced Configuration depending on one's requirement. Here (in mysagtours), we use the combination of both. Use the basic configuration to make simple customizations like changing the Company Logo, Product Name, Image Carousel, and displaying or hiding of components. Use the Advanced Configuration to make changes to the templates, inner pages, CSS, Javascript, and to upload images.

Note: The changes made through Basic Configuration are possible through Advanced Configuration too. Basic configuration just provides ease of use.



Customizing the Image Carousel

You can customize the Image Carousel from the Advanced Configuration section in the Home page. Upload the carousel images (Image 1, Image 2, Image 3). Only uploading the image is not sufficient to get the expected rendering for **mysagtours** as the image carousel renders the images by referring it from within the CSS. Hence, to get the expected rendering, you have to modify the CSS and the corresponding HTML template.

Make the HTML template changes as follows:

Element	In "apiportal" view	Modifications required in "mysagtours" view
Image Carousel	<pre><div id="myCarousel" class="container carousel slide"> <div class="carousel-inner"> <div class="item active"> <img id="focus-img-01" src="static/images/focus-img-01.png" alt="webMethods API-Portal" data-cpn-template-localization="home-</pre>	<pre><div id="myCarousel" class="hero-container carousel slide"> <div class="carousel-inner"> <div class="item active item1"> <div class="container"></pre>

Element	In "apiportal" view	Modifications required in "mysagtours" view
	<pre> layout_template154_alt0 " > <div class="container"> <div class="carousel- caption"> <h2 id="carousel- heading-one"> webMethods API-Portal</h2> <div id="carousel- text-one" class="carousel-text"> End to End API Management Solutions powered by webMethods <p class="lead"> </p> <p class="lead"> </p> <p class="lead"> </p> <p class="lead"> </p> </div> </div> </div> </div> <div class="item inactive"> <div class="container"> <div class="carousel- caption"> <h2 id="carousel- heading-two"> Find APIs</h2> <table class="carousel-text"> <tbody> <tr> <td class="carousel-text" id="carousel-text-two"> </pre>	<pre> <div class="carousel-caption"> <h2 id="carousel-heading-one" style="font-size: 50px"> Welcome to SAGTours Developer Site</h2> <div class="carousel-text"> <p style="font-size: 24px" id="carousel-text-one"> Explore the APIs we offer to support your App development</p> <p class="lead"> </p> <p class="lead"> </p> <p class="lead"> </p> <p class="lead"> </p> </div> </div> </div> </div> </div> <div class="item item2"> <div class="container"> <div class="carousel-caption"> <h2 id="carousel-heading-two" style="font-size: 50px"> Welcome to SAGTours Developer Site</h2> <div class="carousel-text"> <p style="font-size: 24px" id="carousel-text-two"> </pre>

Element	In "apiportal" view	Modifications required in "mysagtours" view
	<pre> <td id="carousel-text-three" class="carousel-text"> View API details and test APIs </td> <td> <div id="signalcomp" class="carousel-text"> <div id="home-apiSignupTrigger"> Sign Up</div></div> </td> </tr> </tbody></table> <p class="lead"> </p> </div> <!-- <div class="carousel-box"> <h2>webMethods API Management</h2> <h4>Industrial Strenght API solutions powered by webMethods</h4> </div>--> </div> </div> <div> < > </div> </pre>	<pre> class="lead"> </p> </div> </div> <!-- <div class="carousel-box"> <h2>webMethods API Management</h2> <h4>Industrial Strenght API solutions powered by webMethods</h4> </div>--> </div> </div> <div> < > </div><!-- /.carousel --> </pre>

The corresponding changes have to be made to each of the CSS classes referred in the HTML template.

In the CSS section append the following CSS classes:

Element	Modified Style required mysagtours
carousel	<p>Type - CSS</p> <p>Corresponds to - Styling for Image Carousel</p>

Element	Modified Style required mysagtours
	<p>Changes Required - Styling</p> <pre>.carousel { margin-bottom: 10px; } .carousel .item { height: 650px; width: 100%; } .carousel-inner { background-color: #ffffff; background-size: initial; background-repeat-x: no-repeat; background-repeat-y: no-repeat; background-attachment: initial; background-origin: initial; background-clip: initial; position: relative; width: 100%; } .carousel-inner > .item1 { background-image: url(cpn.img.benaco.png); background-size: 100% 650px; } .carousel-inner > .item2 { background-image: url(cpn.img.outback.png); background-size: 100% 650px; } .carousel-inner > .item3 { background-image: url(cpn.img.venice.png); background-size: 100% 650px; } .carousel-caption { background-color: transparent; position: inherit; max-width: 550px; padding-left: 5%; padding-right: 20px; padding-top: 20px; padding-bottom: 20px; margin-top: 10%; }</pre>

With this, the rendering of Home page changes to:



Adding Additional Images

You can add additional images to the carousel or other elements in the UI. You have to upload the images and then refer to them in the HTML templates or CSS using `cpn.img.<imagename>`. For example, you can upload an image called `sunshine.png` and then refer to that image in HTML as follows:

```

```

Customizing the Featurette

The featurette changes required for `mysagtours` are styling and content changes. This must be done in templates and CSS through Advanced Configuration.

In the Advanced Configuration for the Home page, edit the HTML template.

From the HTML template of the Home Page, the following information can be obtained about the featurette.

Element	Modified Style required mysagtours
container marketing	<p>Type - CSS</p> <p>Corresponds to - Styling for individual featurette</p> <p>Changes Required - None</p>
span4	<p>Type - CSS</p> <p>Corresponds to - Styling for individual featurette</p> <p>Changes Required - Color and Heading size</p> <pre>.marketing .span4 { background-color: transparent;</pre>

Element	Modified Style required mysagtours
	<pre> } .marketing .span4 h2 { height: auto; } </pre>
featurette	<p>Changes to each featurette to be done in the template</p> <p>Type - Container</p> <p>Corresponds to - Individual featurette</p> <p>Changes Required - Content</p>

Append the above mentioned CSS changes for **span4** to the already existing CSS changes (made for Header).

In the HTML template for Home page, replace the content in each of the featurette (div class="span4"). For **mysagtours**, replace the content as follows:

Featurette #	In "apiportal" view	In "mysagtours" view
Featurette 1	<pre> <div class="span4"> <i class="fa fa-search fa-4"></i> <h2 id="featurette-heading-one">\${views.apiportal.home.featurettes.heading1.DBI}</h2> <p id="featurette-text-one">\${views.apiportal.home.featurettes.content1.DBI}</p> <p> »</p> </div><!-- /.span4 --> </pre>	<pre> <div class="span4"> <h2>What is SAGTours Developer Community?</h2> <p> SAGTours offers Application Programming Interfaces (APIs) that you can leverage to build your own innovative travel applications and access all the proven services that SAGTours offers to search for cruises and arrange bookings. The APIs are offered for free to be used in your applications, but we require you to request access keys for identification. Once you built your apps let us know and we will promote them in our developer community! Now get started and explore our API Gallery </p> </pre>

Featurette #	In "apiportal" view	In "mysagtours" view
Featurette 2	<pre> <div class="span4"> <i class="fa fa-users fa-4"></i> <h2 id="featurette-heading-two">\${views.apiportal.home.featurettes.heading2.DBI}</h2> <p id="featurette-text-two">\${views.apiportal.home.featurettes.content2.DBI}</p> <p> ></p> </div><!-- /.span4 --> </pre>	<pre> </div> <div class="span4"> <h2>Need Support?</h2> <p> In case you have questions on how to use our APIs, need clarifications on the business and usage terms or in general want to provide feedback or request new functionalities - do not hesitate to reach out to us. Leverage our support forum to get in touch with us! Check out our Forum </p> </div> </pre>
Featurette 3	<pre> <div class="span4"> <i class="fa fa-comments fa-4"></i> <h2 id="featurette-heading-three">\${views.apiportal.home.featurettes.heading3.DBI}</h2> <p id="featurette-text-three">\${views.apiportal.home.featurettes.content3.DBI}</p> <p> ></p> </div><!-- /.span4 --> </pre>	<pre> <div class="span4"> <h2>Latest News from SAGTours</h2> <iframe id="feed-frame" src="/abs/static/com.aris.api.plugins.api.ApiPlugin/html/apiFeeds.html" frameborder="0" width="450px" height="470px"> </iframe> </div> </pre>

With this, the rendering of Home page changes to as follows.

What is SAGTours Developer Community?

SAGTours offers Application Programming Interfaces (APIs) that you can leverage to build your own innovative travel applications and access all the proven services that SAGTours offers to search for cruises and arrange bookings. The APIs are offered for free to be used in your applications, but we require you to request access keys for identification. Once you built your apps let us know and we will promote them in our developer community! Now get started and explore our [API Gallery](#)

Need Support?

In case you have questions on how to use our APIs, need clarifications on the business and usage terms or in general want to provide feedback or request new functionalities - do not hesitate to reach out to us. Leverage our support forum to get in touch with us! Check out our [Forum](#)

Latest News from SAGTours

- [Prepare for Data Doomsday](#)
Organizations will have to start building out robust, advanced data analytics solutions or they will perish in the inevitable blizzard of data. Greater visibility over internal processes is the Holy G...
- [Smart Cities Tackle IoT Risk](#)
As cities get smarter with the Internet of Things (IoT), municipal governments will have to enact new regulation to ensure adequate risk management. Smart cities are going to be the lynchpin for IoT-s...
- [The Evolution of Regulation in an IoT World](#)
Regulators will have to evolve compliance and governance to provide a legal framework for IoT as they learn that security attacks can come from any point in the IoT system – and in unexpected ways. Th...

Removing the Copyright Text

To remove the copyright text, navigate to Footer page. In the HTML template of the Footer page remove the node containing the copyright text.

Adding Java Scripts

Java Script functions can be added to any of the pages. Go to the JavaScripts section to add your Java Script functions. After adding the Java Script functions, you can refer to them in the HTML templates.

For example, add the following function in the JavaScript section and refer to it in the HTML template.

```
function showJSDemo()  
{  
  var d = new Date();  
  document.getElementById("featurette2").innerHTML = d;  
};
```

```
<a href="javascript:;" onclick="showJSDemo();" >Show Date</a>
```

2.3.3 Customize the API Gallery Page

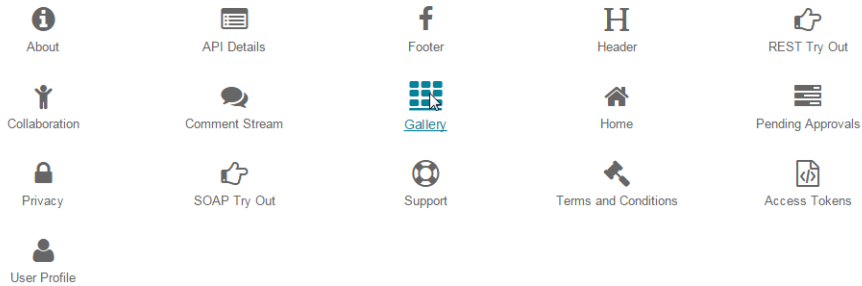
From the Customization page, select **Gallery** page for editing.

[Home](#) / [Administration](#) / [Pages](#)

[/ Back](#)

Pages

Customize pages



[Privacy](#) · [Terms and conditions](#)
Up

Customizing the Gallery

Navigate to the CSS section and then add the following CSS classes.

The following classes, for example `span4` class was also used by the Home page. If you try to modify the `span4` class, it also affects the design of the Home page. Hence, add the new class `gallery-ssc` to the beginning of the following CSS classes so that you can make the changes only available to the container present in the Gallery page.

Element	Modified Style required mysagtours
span4	<ul style="list-style-type: none"> • Type - CSS • Corresponds to - Styling for individual API • Changes Required - Color and Styling <pre>.gallery-ssc .span4{ width:100%; margin-top:0px; border-top-left-radius:0px; border-bottom-right-radius:0px; } .gallery-ssc .size375x375{ max-width:98%; min-height:50px; } .marketing .gallery-ssc .span4 h2 {</pre>

Element	Modified Style required mysagtours
	<pre> float: left; text-align: left; white-space: nowrap; width: 25%; overflow: hidden; text-overflow: ellipsis; margin: 0 0 0 1em; font-size: 14px; } .marketing .gallery-ssc .span4 .clamped { white-space: nowrap; overflow: hidden; text-overflow: ellipsis; width: 48%; margin: 0 0 0 1em; text-align: left; font-size: 14px!important; min-height:40px; max-height:40px; } .marketing .gallery-ssc .span4 .clamped p { margin: 0 0 0 1em; text-align: left; font-size: 14px; line-height: 40px; padding-left:2px; } .marketing .gallery-ssc .span4{ border: solid 1px #E6E6E6; margin-bottom: 0px; padding-top: 0px; cursor:pointer; background-color: #fff; border: 1px solid #ddd; color: #555; } .gallery-ssc .span4 img { float: left; max-width: 30px!important; max-height: 30px!important; background-position: center center; background-repeat: no-repeat; background-size: cover; border: 1px solid #eee; border-radius: 99em; box-shadow: 0 3px 2px rgba(0, 0, 0, 0.3); display: block; height: 46px; margin: 0 0 0 1em; width: 46px; } </pre>

Element	Modified Style required mysagtours
	<pre>.marketing .gallery-ssc .span4 p>a{ display:none; } .marketing .gallery-ssc .span4:hover, .marketing .gallery-ssc .span4:focus { background-color: #f5f5f5; color: #555; cursor: pointer; text-decoration: none; } .marketing .gallery-ssc .span4:hover img { box-shadow: 0 3px 21px rgba(127, 219, 248, 1); }</pre>
h2	<ul style="list-style-type: none"> • Type - CSS • Corresponds to - Styling for ungrouped header • Changes Required - Styling and hover effects <pre>.marketing .gallery-ssc h2 { font-weight: bold; font-size: 20px; font-family: "Helvetica Neue",Helvetica,Arial,sans- serif !important; text-shadow: 0 1px 1px rgba(255, 255, 255, 0.9); margin-bottom: 0; }</pre>
row	<ul style="list-style-type: none"> • Type - CSS • Corresponds to - Styling for individual API group • Changes Required - Size <pre>.gallery-ssc .row { width: 101.8%; }</pre>
groupBy	<ul style="list-style-type: none"> • Type - CSS • Corresponds to - Styling for individual API group • Changes Required - Styling <pre>[class*="groupByProperty"] { border: 1px solid #ddd; border-top-left-radius: 3px; border-top-right-radius: 3px; background-color: rgba(226, 231, 221, 0.5); border-color: #dddddd; } .groupBy{ margin-top: 2%; }</pre>

Now these CSS classes can be referred in the HTML templates. For Gallery, the only change that you have to do is to use the **groupBy gallery-ssc** instead of **groupBy** class for the gallery element in the HTML template of Gallery page.

Showing or Hiding Maturity Status or Business Term

Showing or hiding the maturity status or business term in the gallery page is done by using Self Service Configuration (SSC). By default, both Maturity Status and Business Term are visible if they are configured while publishing the API.

```
/*
 * To hide the maturity status, add the following css.
 * To show the maturity status, remove the same.
 */
.maturitystatus {
    display : none;
}

/*
 * to hide the business term, add the following css
 * to show the business term, remove the same.
 */
.businesssterm {
    display : none;
}
```

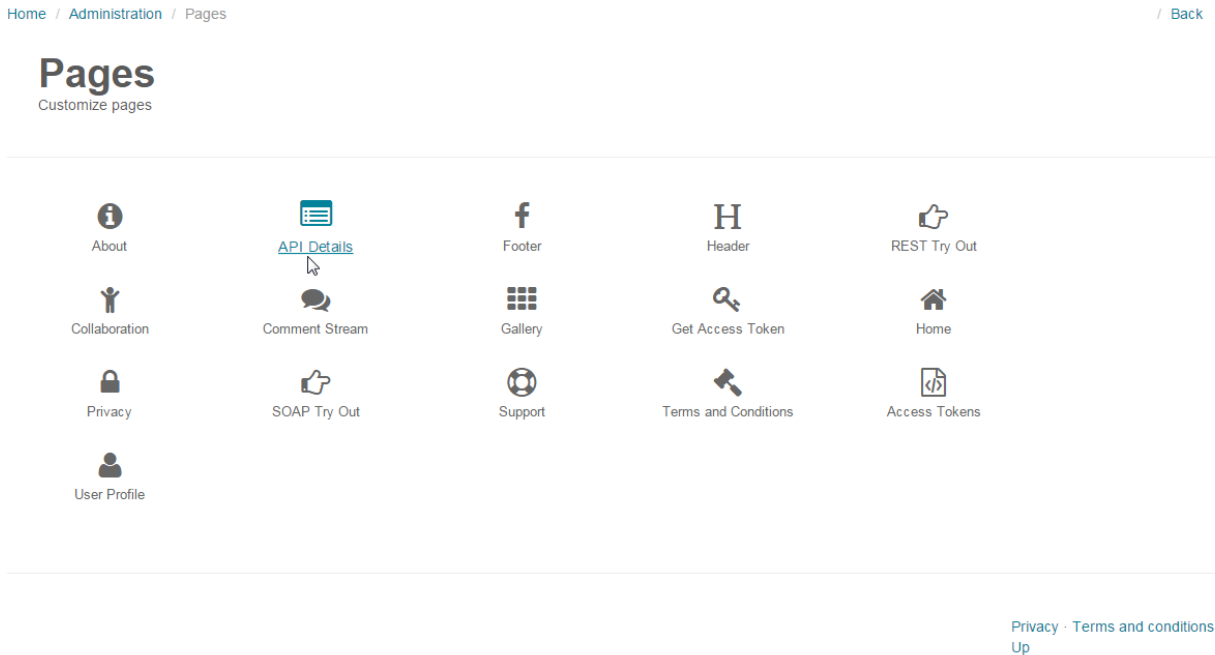
Adding jQuery

Add the following jquery code in the JavaScript section of Gallery page.

```
// this will allow the user to view the details about API by clicking the container
span4 instead of clicking the view details button
$(document).ready(function(){
$('.gallery-ssc .span4.size375x375').live("click" ,function (event) {
$(this).find('.viewDetails')[0].click();
});
});
```

2.3.4 Customize the API Details Page

From the Customization page, select API Details page for editing.



Perform the following changes in the HTML template of the API Details page.

Element	In "apiportal" view	Modifications required in "mysagtours" view
Container span9	<pre><div class="span9"> <!-- Container for displaying the resources and methods--> // code..... </div></pre>	<p>Just add the id="cnt-resources-methods" for container</p> <pre><div class="span9" id="cnt- resources-methods"> // code..... </div></pre>

In the CSS section append the following CSS classes.

Element	Modified Style Required
Api-margin-left	<p>Type - CSS</p> <p>Corresponds to - Styling for api resources and methods</p> <p>Changes Required - Alignment</p> <pre>.api-margin-left {</pre>

Element	Modified Style Required
	<pre>padding-left: 3%; } .api-soap-margin-left { padding-left: 0; }</pre>
th.td	<p>Type - CSS</p> <p>Corresponds to - Styling for table header and data</p> <p>Changes Required - Alignment</p> <pre>.table-condensed th, .table-condensed td { padding: 4px 3px 5px; } .table th, .table td{ border-top:none; }</pre>
tbody	<p>Type - CSS</p> <p>Corresponds to - Styling for table body</p> <p>Changes Required - Styling</p> <pre>.table tbody+tbody{ border-top:none; }</pre>
restparam	<p>Type - CSS</p> <p>Corresponds to - Styling for Rest resources</p> <p>Changes Required - Styling</p> <pre>.restparam{ display:block!important; }</pre>
soapcontent	<p>Type - CSS</p> <p>Corresponds to - Styling for Soapcontent</p> <p>Changes Required - Styling</p> <pre>.soapcontent{ display:block!important; }</pre>
Panel-title-section	<p>Type - CSS</p> <p>Corresponds to - Styling for Panel</p> <p>Changes Required - Cursor Styling</p> <pre>h3.panel-title-section:hover,h3.panel-title-section:focus{ cursor:default!important; }</pre>
apiproperties	<p>Type - CSS</p>

Element	Modified Style Required
	<p>Corresponds to - Styling for apiproperties</p> <p>Changes Required - Styling</p> <pre>#apiproperties { background-color: white; border-radius: 4px; }</pre>

Adding jQuery

Add the following jquery code in the JavaScript section of the **API Details** page.

The following jquery will remove the toggle effects for each resource and method in the **API Details** page.

```
(function Forever(){
  if($('#cnt-resources-methods').length != 0) {
// this will collect the section elements present in the details page.
var inputs = document.getElementsByTagName("section");
// the following for loop will run for each section element.
// And it will get the id for corresponding section element and check whether the
element contains data-in-page-nav-proxy or not.
// if the element contains the data-in-page-nav-proxy then the following code
removes the "collapse"
// class from the corresponding nextToggleClass element.
for (x = 0 ; x < inputs.length ; x++){
  myname = inputs[x].getAttribute("id");
  if(myname.indexOf("section_portal_api_")==0){

var apiDetailsToggleId1 = $("#"+myname).data("in-page-nav-proxy");
// console.log("the apiDetailsToggleId is " + apiDetailsToggleId);

if (apiDetailsToggleId1) {
// console.log("the apiDetailsToggleId is " + apiDetailsToggleId1);

if(!$("#" + apiDetailsToggleId1).hasClass("collapsed")){
$("#" + apiDetailsToggleId1).click();
// console.log("the collapsed is removed for " + apiDetailsToggleId1);
var nextToggleClass = $("#" + apiDetailsToggleId1).data("next-toggle-class");
var parentClass = $("#" + apiDetailsToggleId1).data("parent-start-class");
if(parentClass != undefined && nextToggleClass != undefined) {
//Rest Object
var toggleElement = $("#" +
apiDetailsToggleId1).parentsUntil("." + parentClass).siblings("." + nextToggleClass);
$(toggleElement).removeClass("collapse");
}
}
}
}
}
```

```
// For the restapi_resource_methods in apiportal they show/hide the resource-
methods using the display property
// So the following code will add the css property "display:block" to that element
and removes the "api_details_content_toggle" Class.

if(!(myname!="section_portal_api_resource_description")){
  // console.log("Myname is " + myname);
  if(!$('.rest-api-resource-method-header a').hasClass("collapsed")){
    $('.rest-api-resource-method-header a').click();
    $('.rest-api-resource-method-
header').parent().parent().parent().parent().parent().parent().next().removeClass("
collapse");
    $('.rest-resource-parameters-content div.rest-resource-
parameters').css('display','block');
    $('.rest-resource-parameters-content div.rest-resource-
parameters').removeClass("api_detail_content_toggle");
    $('.api-margin-left div.api_detail_content_toggle').css('display','block');
    $('.api-margin-left
div.api_detail_content_toggle').removeClass("api_detail_content_toggle");
  }
}
// for soap-methods
if(!(myname!="section_portal_api_soap_methods")){
$("#soapMethodContent div.method-toggle-switch").removeClass("collapse");
$("#soapMethodContent div.api_detail_content_toggle").css('display','block');
}

}
}
}
setTimeout(Forever,0);
})();

$(document).ready(function(){
// the following function will execute when the api_detail_header was fully loaded.
// this will add the new class "restparam" to the element which contains "rest-
resource-parameters" class.
$('.rest-resource-parameters-content .api_detail_header').live("click" ,function
(event) {

$('.rest-resource-parameters').addClass("restparam");
});

// this will add the new class "soapcontent" to toggle_content of the
"#soapMethodContent" element -to avoid the toggle effect..
$("#soapMethodContent h3.api_detail_header").live("click" ,function (event) {
$("#soapMethodContent div.api_detail_content_toggle").addClass("soapcontent");
});

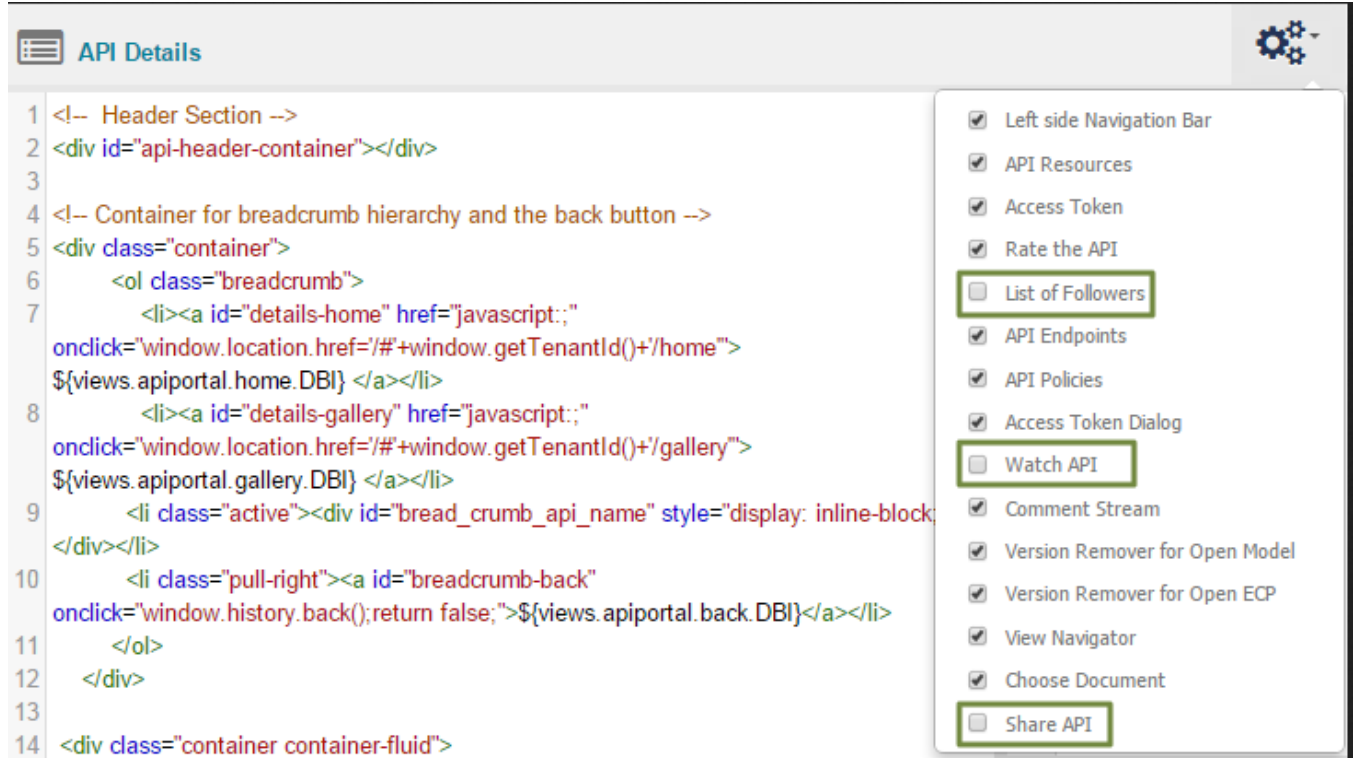
});
```

Collaboration Plugins

The collaboration plugins have been implemented using the following components:

- Share API - Collaboration share icons
- Watch API - Component for watching an API
- List of Followers - Component for listing the followers of an API

These plugins can be disabled by hiding the above components in **API Details** customization page as shown below.



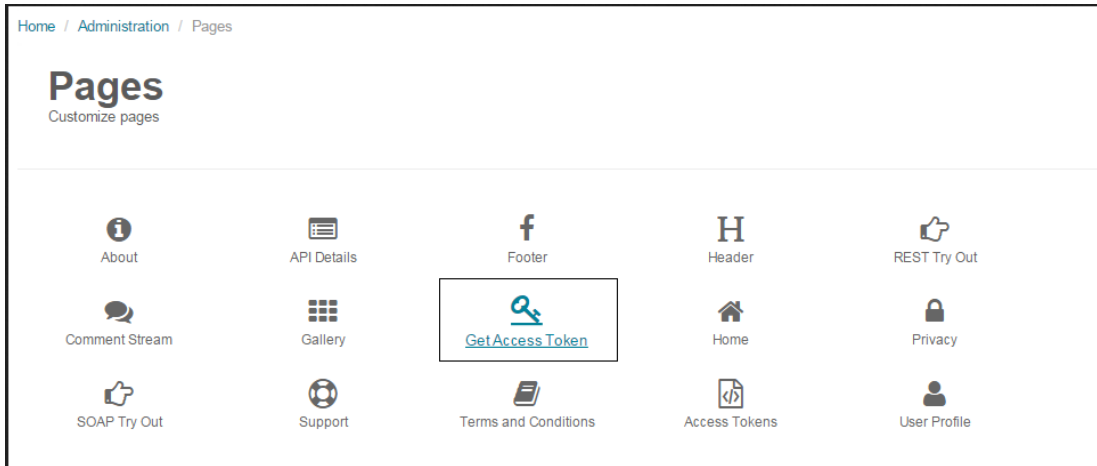
The screenshot shows the 'API Details' customization page. On the left, there is a code editor with HTML code for the header section. On the right, there is a settings panel with a list of components and their status (checked or unchecked). The components are:

- Left side Navigation Bar
- API Resources
- Access Token
- Rate the API
- List of Followers
- API Endpoints
- API Policies
- Access Token Dialog
- Watch API
- Comment Stream
- Version Remover for Open Model
- Version Remover for Open ECP
- View Navigator
- Choose Document
- Share API

2.3.5 Customize the Get Access Token Page

Note: The Get Access Token page is visible only when the configuration parameter `Is CentraSite based API Management Profile active?` is set to `true`. This configuration can be changed in the Configuration Settings page (**Administration > Configuration > Configuration Settings**).

In the Customization page, select **Get Access Token** page for editing.



Advanced Configuration

Perform the following changes in the HTML template of **Get Access Token** page.

Element	In "apiportal" view	Modifications required in "mysagtours" view
Container span9	<pre>1. <div><p>Please provide the required information below to receive a personalized access token via e-mail.</p> <hr> <p></p><label>Application name</label> 2. <textarea name="consumer.appdesc" class="form-control" id="application-description" placeholder="Enter application description"></textarea></pre>	<pre>Just add the id="accesstoken-radiogroup" for container 1. <div><p>Please provide the required information below to receive a personalized access token via e-mail.</p> <hr> <label>Access Token Type</label> <div class="accesstoken-radiogroup"> <input type="radio" name="consumer.accesstoken.type" class="radioAccessToken" id="apikey" checked value="APIKey"> API Key <input type="radio" name="consumer.accesstoken.type" class="radioAccessToken" id="OAuth" value="OAuth"> OAuth
 </div> <p></p><label>Application name</label></pre>

Element	In "apiportal" view	Modifications required in "mysagtours" view
		<pre> 2. <textarea name="consumer.appdesc" class="form-control" id="application-description" placeholder="Enter application description"></textarea> <div class="text-error" id="application-desc-error" aria- hidden="true" style="display: none;">The application description must not be empty. </div> </pre>

Adding Java Script function

If you want to add UI level validation then you have to add the function in the Java Script. The function name should be `validateAccessTokenRequest()` and it has to return a boolean value. If the function returns true, then the request will be sent to the server.

The function shown below validates the mandatory inputs.

Validation function

```

function validateAccessTokenRequest() {
    alert($("#application-description").val() );
    if ($("#application-description").val() == "") {
        $("#application-desc-error").show() ;
        return false;
    } else {
        return true;
    }
}

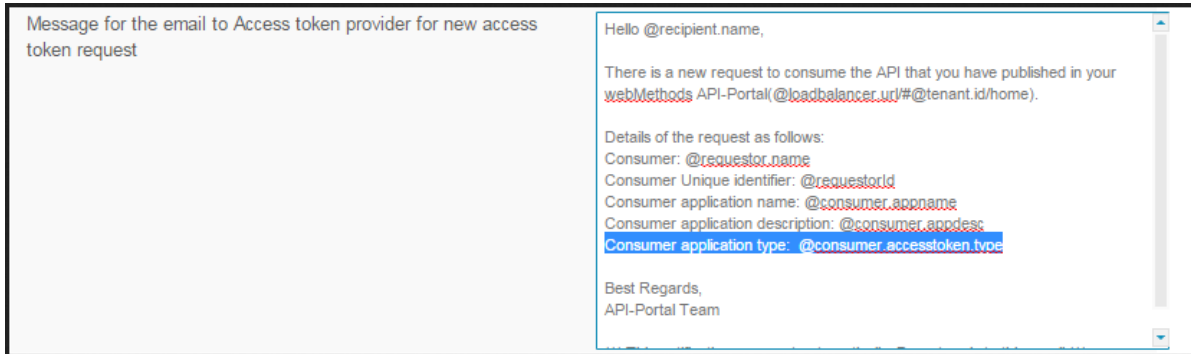
```

Modifying Email template

API-Portal is configurable to work as a standalone component and can be integrated with any third party API-Management system, which may not necessarily have Mediator or CentraSite present. You can configure API-Portal to work with different key management systems for access token retrieval functions for the APIs deployed in the third party environment. Depending on the deployment model, the configuration parameter **Is CentraSite based API Management Profile active?** has to be configured accordingly. This value has to be changed to false for key management to be handled by the third party vendor. When this parameter is set to false, API-Portal triggers an email workflow with the third party vendors for access token management.

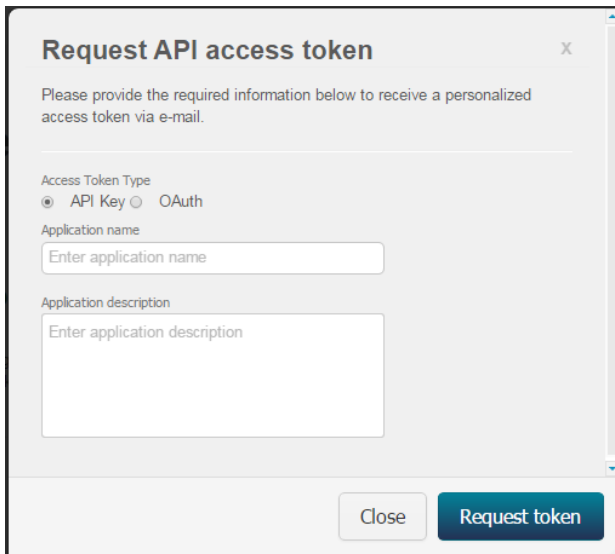
After customization of **Get Access Token** page, if the Administrator wants to receive the selected settings (in this case - Access Token Type) in an email, then the Administrator has to add the following in the Configuration Settings page.

Consumer application type: @consumer.accesstoken.type.



The logic behind the email template is we just need to use the HTML template name field name with @ prefix.

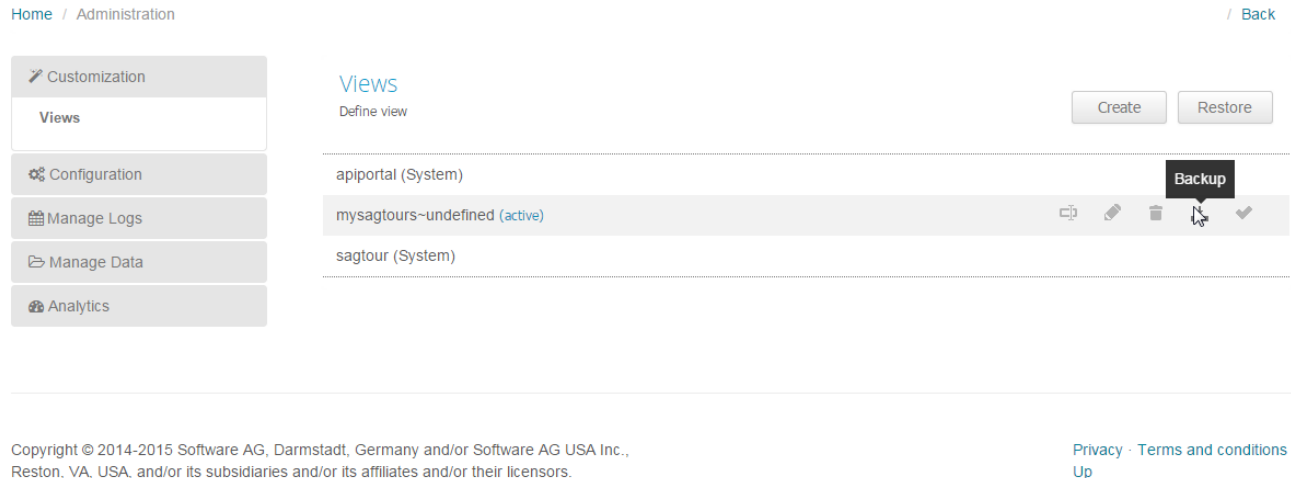
The following image shows how the Get Access Token page of the mysagtours will look like after we perform the customization.



3 Backup and Restore

The views that are created can be backed up and restored. Benefits of backup and restore are:

- To save or preserve the views against system failures.
- Allow third party or internal UI experts to build the customized API-Portal, take a backup and then restore the view into your system.



You can download the backup of **mysagtours** as shown above.

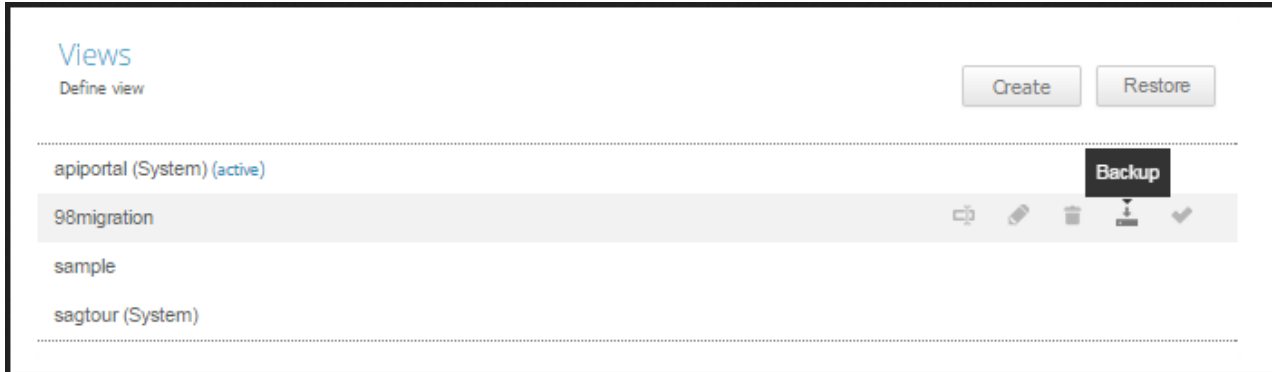
Note:

- The restore will not fail or show any warning when you restore a view with a name same as one of the already existing views.
 - It is not recommended to create a backup of a view from one tenant and restore it in another tenant. But this is possible if you wish to do so. For this, you should open the backup archive and modify the tenant id in the file called **ModificationName**. For example, in the **mysagtours** backup, the content in the **ModificationName** file is **default.mysagtours**. Here default refers to the tenant id. You should replace this with the tenant id in which you wish to restore the backup.
-

4 Customization Upgrade from API-Portal 9.8 to 9.9

Prerequisites:

- You should have an understanding of the basics of API-Portal Customization for API-Portal 9.9.
- You should have taken the backup (archive) of the view that you want to migrate from 9.8 to 9.9



Upgrading the Custom View

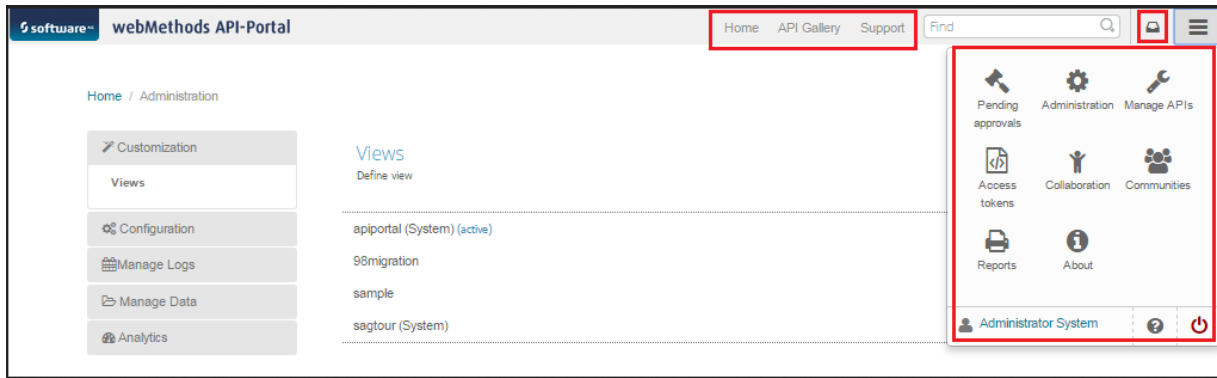
To upgrade the custom view do the following:

1. Restore the 9.8 backup.
Restore the backup archive. In API-Portal 9.9, navigate to **Administration > Customization > Views** page.

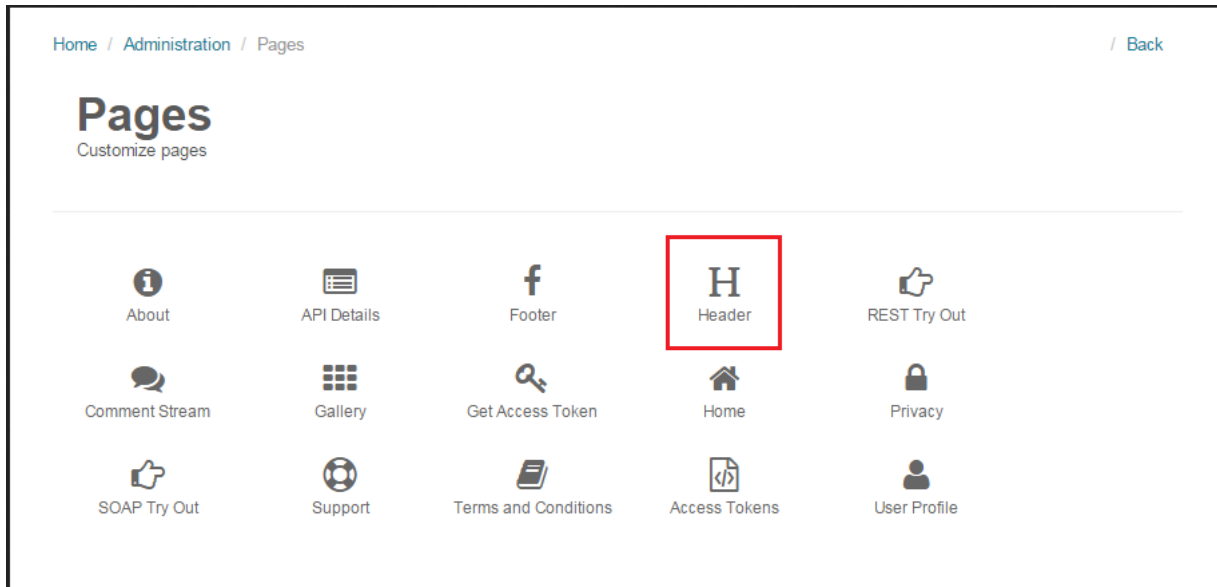


After successful restore, Activate and Edit the view.

2. Upgrade the Header section.
The Header area of API-Portal 9.9 has undergone the following changes:
 - Reduced top level navigation items
 - Revamp of the user action list
 - Notification component



In order to upgrade your custom view's header, edit the view and then click on the Header page as shown below.



In the Header Page's HTML section, remove all the elements related to Top Level navigation, search and user action.

Contents to be removed from 9.8 (original template)	Contents to be added in 9.9
<p>9.8 Header Original Template</p> <pre><div id="virtual-container" class="nav-collapse collapse pull-right" style="display:none;"></div> <!-- Responsive Navbar Part 2: Place all navbar contents you want collapsed withing .navbar-collapse.collapse. --> <div id="api-collapse" class="nav-collapse collapse pull-right"> <div id="masthead-topLevelnavigation" class="nav"> <!-- TopLevelNavigation</pre>	<p>9.9 Header Template</p> <pre><div id="navigation-components" class="pull-right"> <div id="masthead-topLevelnavigation" class="nav navbar-left visible-desktop"></div> <div id="globalSearch" class="navbar-left visible-desktop"></div> <div id="notification-container" class="navbar-left"></div> <div id="masthead-useraction" class="navbar-left"></div></pre>

Contents to be removed from 9.8 (original template)	Contents to be added in 9.9
<pre> component --> </div> <div id="globalSearch" class="navbar-left form-group" style="margin: -2px 10px"></div> <!--<form class="navbar- form navbar-left" role="search"> <div class="form-group"> &lt;!&ndash;<input type="text" class="form-control" placeholder="Search">&ndash;&gt; </div> &lt;!&ndash;<button type="submit" class="btn btn-inverse" style="margin- right: 20px;">Go</button>&ndash;&gt; </form>--> <ul class="nav navbar-nav navbar-right"> <li class="dropdown pull-right"> <div id="userAction" class="dropdown-toggle navbar- left"></div> <!--Martina Herrera <b class="caret"> <ul class="dropdown-menu"> <i class="fa fa- user fa-1"></i> Preference <i class="fa fa-sign-out fa-1"></i> Logout --> </div><!--/.nav-collapse -- > </pre>	<pre> </div> </pre>

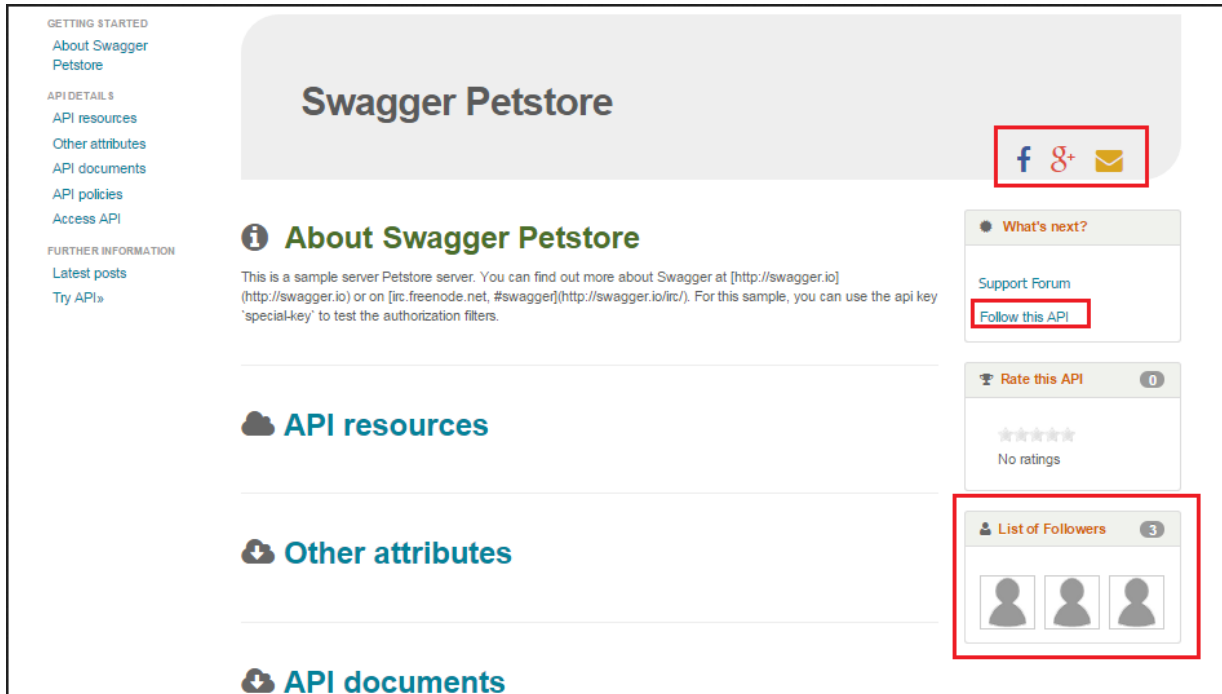
3. Upgrade the API Details Page.

Note: The changes mentioned in this section are necessary only if you had modified the API Details page in your custom view.

The API Details page of the API-Portal 9.9 has undergone following changes:

- List of Followers component added
- Follow this API component added.
- Support Forum component added.
- Share this API component added.
- Background image removed.

- Breadcrumb modified.



Since these are new components added to **API Details** page in 9.9, they will not be visible in your custom view. Now, to upgrade the API Details page in your custom view, edit the view and click **API Details Page**.

List of changes to be performed:

#	API Details page changes
1	<p>Fix the "List of Followers" by placing the following content after "Rate API" component.</p> <p>9.9 Header Template</p> <pre> <!-- Rate API --> <div id="rate-api" ></div> <!-- List of Followers Panel --> <div id="followers_panel"></div> </pre>
2	<p>Fix the "Follow this API" by placing the following content after "Access Token" component.</p> <p>9.9 Header Template</p> <pre> <!-- Get Access Token --> <tr id="api-access-token-row"> <td> <div id="access-token"></div> </td> </tr> <tr id="api-watch-row"> <td> </pre>

#	API Details page changes
	<pre data-bbox="326 233 915 321"><div id="api-watch-container"></div> </td> </tr></pre>
3	<p data-bbox="326 338 1203 369">Fix the "Support Forum" by replacing the content as shown below.</p> <p data-bbox="326 386 618 417">9.9 Header Template</p> <pre data-bbox="326 436 1398 877"><! --- DELETE the below snippet---> <tr id="api-support-forum-row"> <td style="border-top:none;"> <div id="support-forum"></div> </td> </tr> <! --- Add the following snippet---><!-- Support Forum --> <tr id="api-support-forum-row"> <td style="border-top:none;"> \${views.apiSupportForum.supportForum.DBI} </td> </tr></pre>
4	<p data-bbox="326 894 1370 961">Fix the "Share this API" by placing the following content after "headerherounit" element.</p> <p data-bbox="326 978 618 1010">9.9 Header Template</p> <pre data-bbox="326 1029 1365 1308"><! --- DELETE the below snippet---> <div id="headerherounit"></div> <! --- Add the following snippet---> <div id="headerherounit"> <table><tr><td><div id="api_header_icon"></div></td><td><div><h1 id="api_header_name"></h1></div></td></tr></table> </div> <div id="api_header_short_desc"></div> <div id="share-api"></div></pre>
5	<p data-bbox="326 1329 1248 1360">Fix the "Background image" by replacing the content as shown below.</p> <p data-bbox="326 1377 618 1409">9.9 Header Template</p> <pre data-bbox="326 1428 915 1549"><! --- DELETE the below snippet---> <div class="hero-unit dashboard-bg"> <! --- Add the following snippet---> <div class="hero-unit"></pre>
6	<p data-bbox="326 1570 1166 1602">Fix the "Breadcrumb" by replacing the content as shown below.</p> <p data-bbox="326 1619 618 1650">9.9 Header Template</p> <pre data-bbox="326 1669 1360 1850"><! --- DELETE the below snippet---> <li class="active"><div id="api_name" style="display: inline- block;"></div> <! --- Add the following snippet---> <li class="active"><div id="bread_crumb_api_name" style="display: inline-block;"></div>></pre>

This document applies to webMethods API-Portal Version 9.9 and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

Copyright © 2014-2015 Software AG, Darmstadt, Germany and/or Software AG USA Inc., Reston, VA, USA, and/or its subsidiaries and/or its affiliates and/or their licensors.

The name Software AG and all Software AG product names are either trademarks or registered trademarks of Software AG and/or Software AG USA Inc. and/or its subsidiaries and/or its affiliates and/or their licensors. Other company and product names mentioned herein may be trademarks of their respective owners.

Detailed information on trademarks and patents owned by Software AG and/or its subsidiaries is located at <http://softwareag.com/licenses>.

This software may include portions of third-party products. For third-party copyright notices, license terms, additional rights or restrictions, please refer to "License Texts, Copyright Notices and Disclaimers of Third Party Products". For certain specific third-party license restrictions, please refer to section E of the Legal Notices available under "License Terms and Conditions for Use of Software AG Products / Copyright and Trademark Notices of Software AG Products". These documents are part of the product documentation, located at <http://softwareag.com/licenses> and/or in the root installation directory of the licensed product(s).

Use, reproduction, transfer, publication or disclosure is prohibited except as specifically provided for in your License Agreement with Software AG.

Document ID: YAP-CG-99-20151015