

## Exercise 4.3 Consuming you APIs from Developer Portal

### Overview:


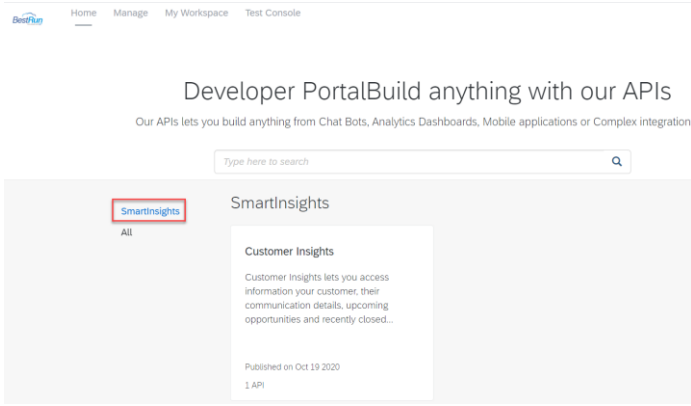
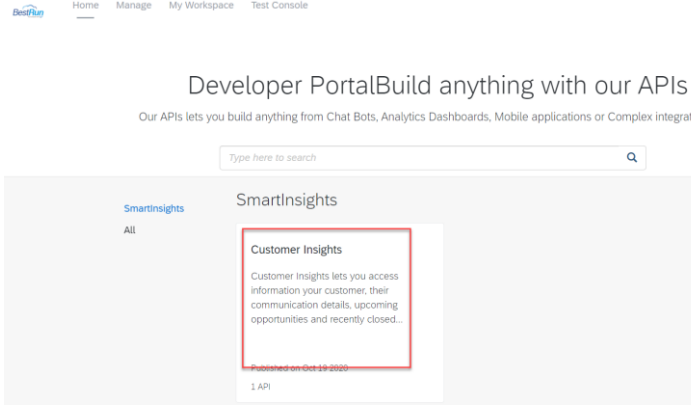
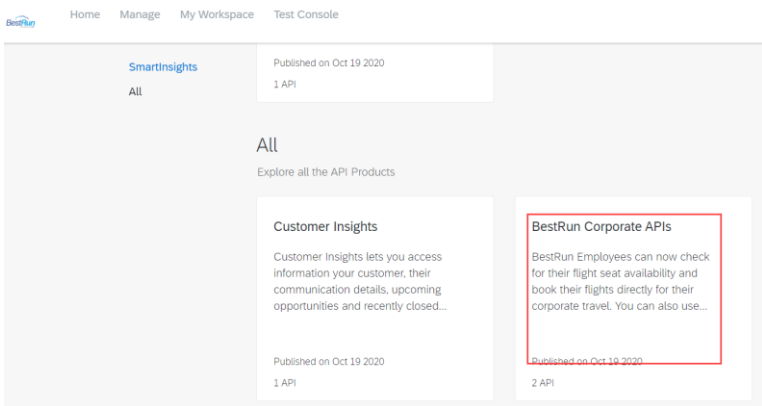
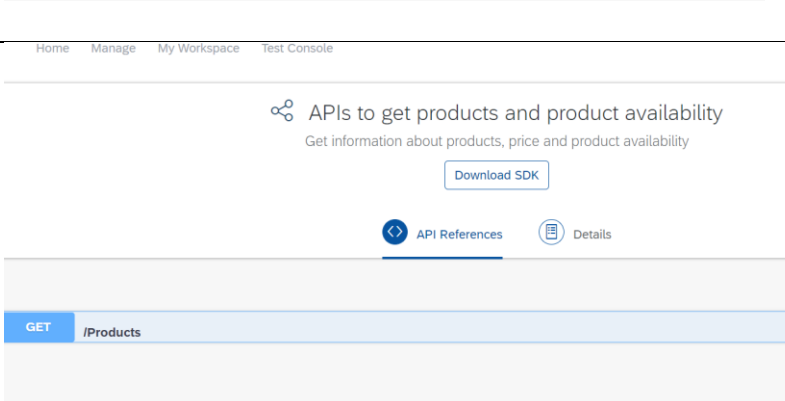
As an application developer for BestRun AG, you would like to discover, explore and consume all the APIs exposed by BestRun AG. You would like to view the API documentation, subscribe to the APIs to get an application or API key to access the APIs and finally test the APIs using Test Console. In this exercise, you would explore features of the Developer portal shared by BestRun AG. You would learn to explore, subscribe and consume BestRun APIs from the Developer portal


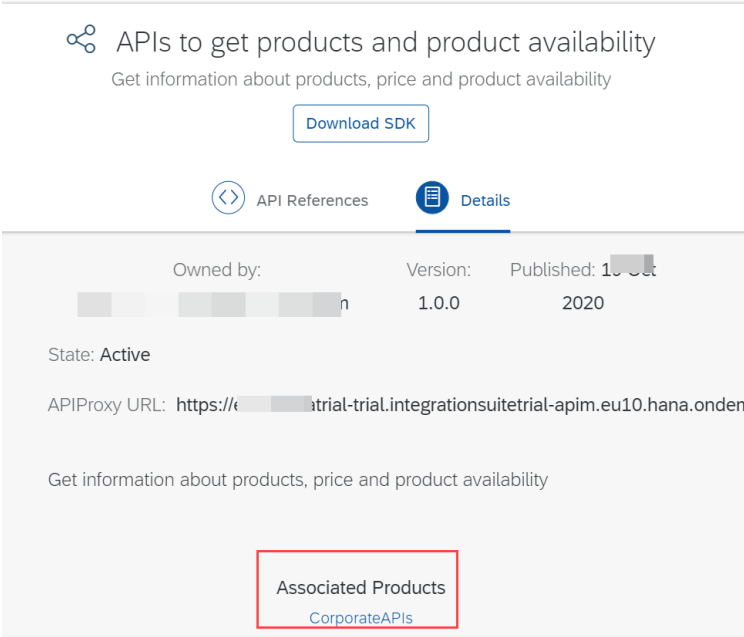

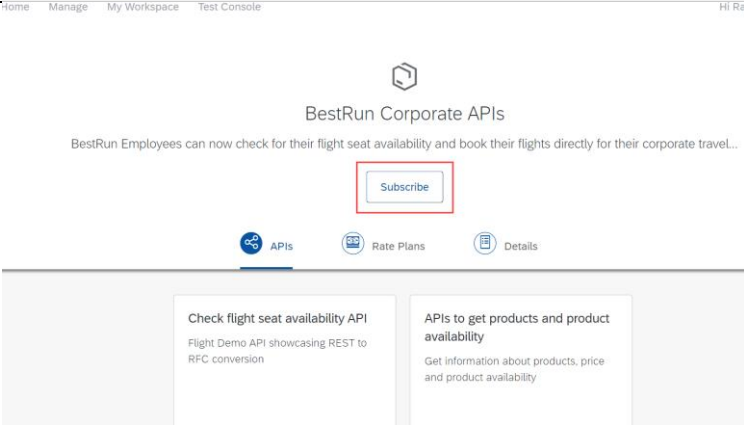
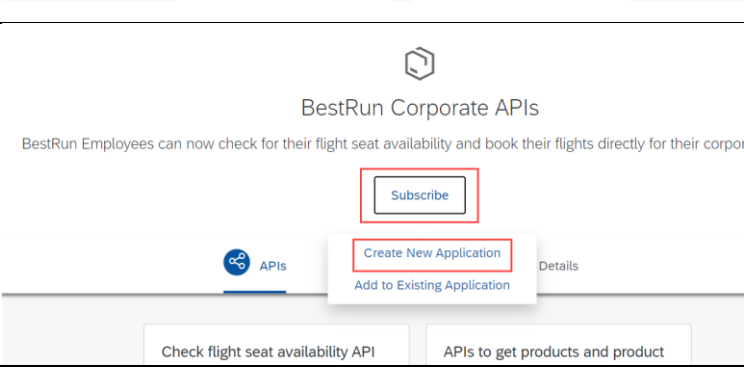
In this exercise you will configure the following for BestRun AG:-

1. Explore features of the Developer portal shared by BestRun AG. You would learn to explore, subscribe and consume BestRun APIs from the Developer portal

### Prerequisite:


1. Log on to Cloud Foundry SAP Cloud Platform Cockpit and navigate to your subaccount
2. Navigate to your subaccount and choose **Security→Trust Configuration**
3. Choose an identity provider from the list. In the default scenario, you should be able to select the SAP ID Service
4. Enter your user ID from the selected IDP service. In case of **SAP ID Service**, you can enter email address of the user
5. To see the role collections assigned to this user, choose **Show Assignments**.
6. Choose **Assign Role Collection**. In the **Role Collection** dropdown, choose **Authgroup.SelfService.Admin** role.

Step	Explanation	Screenshot
1	<p>Launch APIPortal and click  (Navigation Links) and select <b>Developer Portal</b>.</p> <p>As an application developer you can browse through categories and the API Products in each category. Click <b>SmartInsights</b> to view the API Products which are part of the SmartInsight category</p>	
2	<p>You can view the API Product title, description and then select <b>Customer Insights</b> API Products</p>	
3	<p>You can see below All products published.</p> <p>Click on <b>BestRun Corporate APIs</b> to see all the APIs of this product</p> <p>You can see all the APIs that are part of the API Products. To view more information about Product details API , select the tile <b>BestRun Corporate APIs</b></p>	
4	<p>View API Proxy Details, like resources, documentation of the resources etc</p>	

5	<p>Click  <a href="#">Details</a> to view the API details like description, API Products that the API is part of .</p>	
6	<p>Click on <a href="#">CorporateAPIs</a> to navigate to the API Product that the API is part of.</p> <p>Click  to subscribe to the API Product</p> <p>In case you don't see the Subscribe button in your selected API Product, it means that your user hasn't been correctly registered as an Application Developer in the Developer Portal.</p>	
7	<p>You can choose to create a new application or add the API Product to the existing application.</p> <p>Click <a href="#">Create New Application</a> to create a new application for first time use.</p>	

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As an application developer you can provide any name for your application.  
The selected API Product is automatically assigned.

Click on  to subscribe to the product



Create an Application

Title\*

Description

Callback URL

☐ Create this application on behalf of someone else  
☐ Already have Application Key and Secret

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



Newly created application gets displayed.

Select the newly created **Application key**.  
This key can be used as the **API Key** to access the APIs protected using Verify API Key policies. Copy the API Key and you can use in the subsequent flow to test the APIs

BestRun Home Manage My Workspace Test Console

Application Info





Application Info Products Custom Attributes Analytics

Product details  
Callback URL:  
Created by: @example.com Version: 1  
Last Modified: 01/01/2020  
Application Secret:  Calls This Month: 0  
Application Key:  


Products

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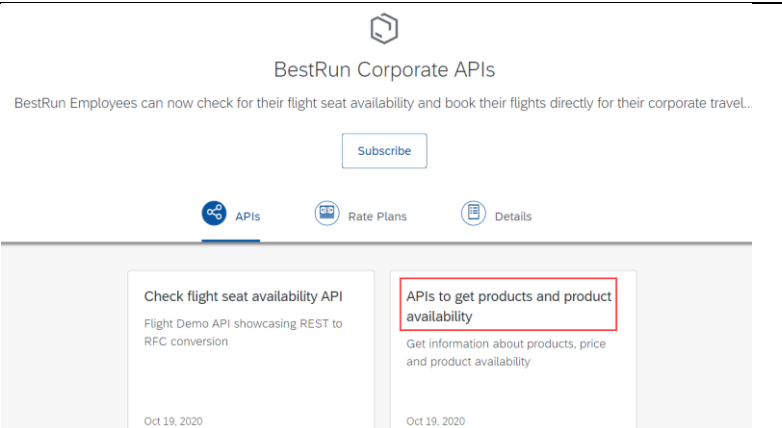
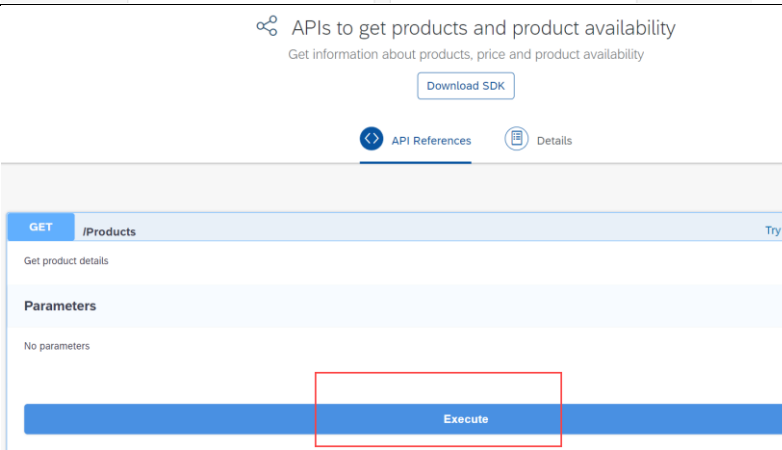
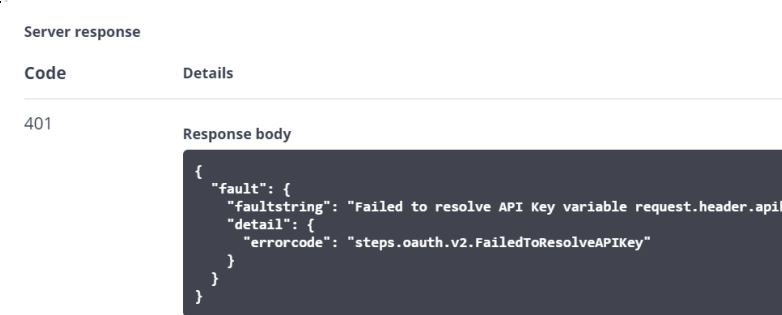
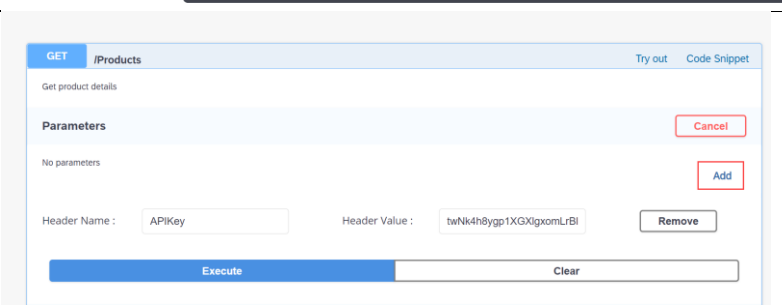

Click [BestRun Corporate APIs](#) to navigate to the API Product

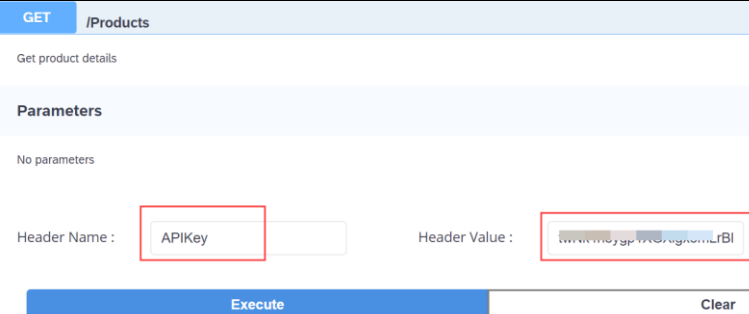
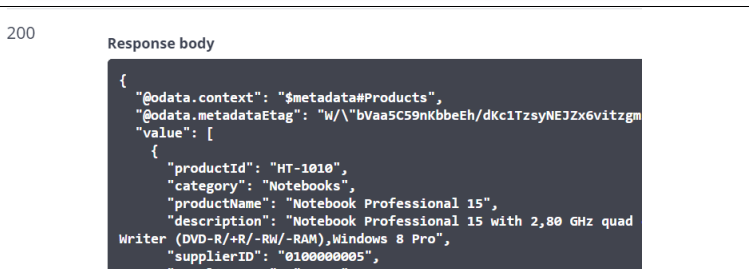
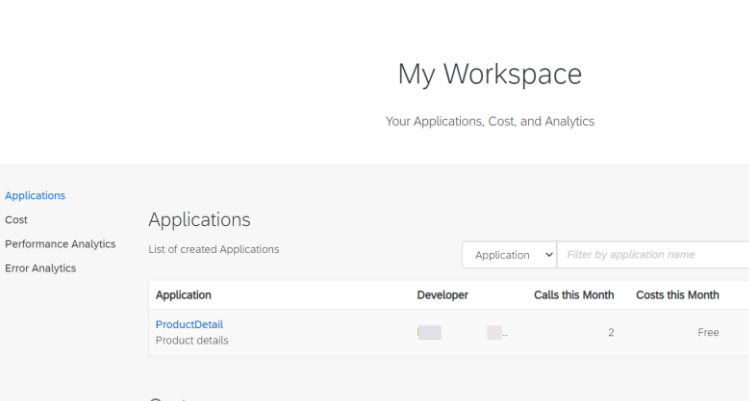
Product details  
Callback URL:  
Created by: @example.com Version: 1  
Last Modified: 01/01/2020  
Application Secret:  Calls This Month: 0  
Application Key:  

Products

Name	Rate Plan
 BestRun Corporate APIs	BestRun Employees can now check for their flight seat availability and book their fl...

Custom Attributes

11	<p>APIs to get products and product availability</p> <p>Click <b>availability</b> to open the API Proxy</p> <p>Info: You can use the same API Key in all the APIs that are part of the same API Product</p>	
12	<p>As an application developer you can use the interactive API documentation to view the API references and also test the APIs.</p> <p>Click <b>Try out</b> to test the selected API resources from the API References tab.</p> <p>Click <b>Execute</b> to test the API Proxy</p>	
13	<p>As the APIKey is not provided the response is 401 asking for the APIKey</p>	
14	<p>Click <b>Add</b> to add in your custom http headers or query parameters.</p>	
15	<p>The API access policy defined by BestRun AG, requires the application developers to pass in the API Key in the custom http header named <b>apikey</b>.</p> <p>Click <b>Header</b> to add in header key/value pair.</p>	

<p>16</p>	<p>Enter <b>apikey</b> in the Header Name text field</p> <p>Enter the copied <b>Application key</b> in Header Value text field.</p> <p>Click <b>Execute</b> to test the API Proxy</p>	
<p>17</p>	<p>You can view the response from target APIs in the Server Response section</p>	
<p>18</p>	<p>As an application developer you can navigate to the My Workspace to view the applications created by you and Regenerate the application key and secret if required.</p> <p>Click <b>My Workspace</b></p> <p>You can view the Applications created by you in your Developer portal tenant.</p>	
	<p>Congratulations, you have successfully completed the exercise to discover, explore and test the APIs from the Developer portal</p>	