

## Exercise 4.1 Publish your API Product

### Overview

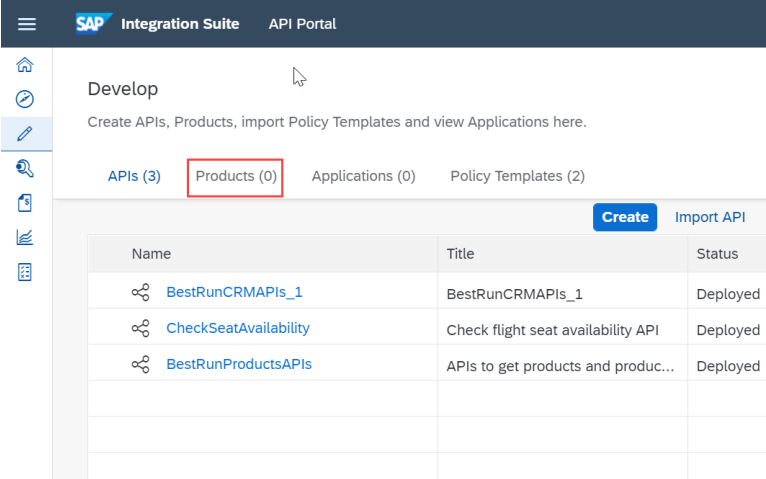
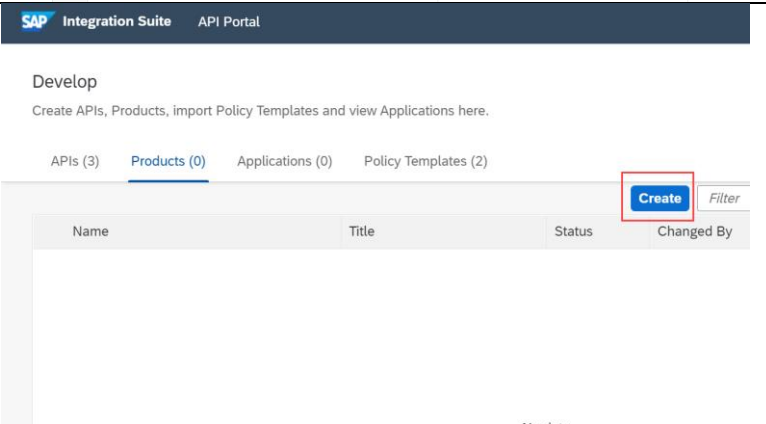
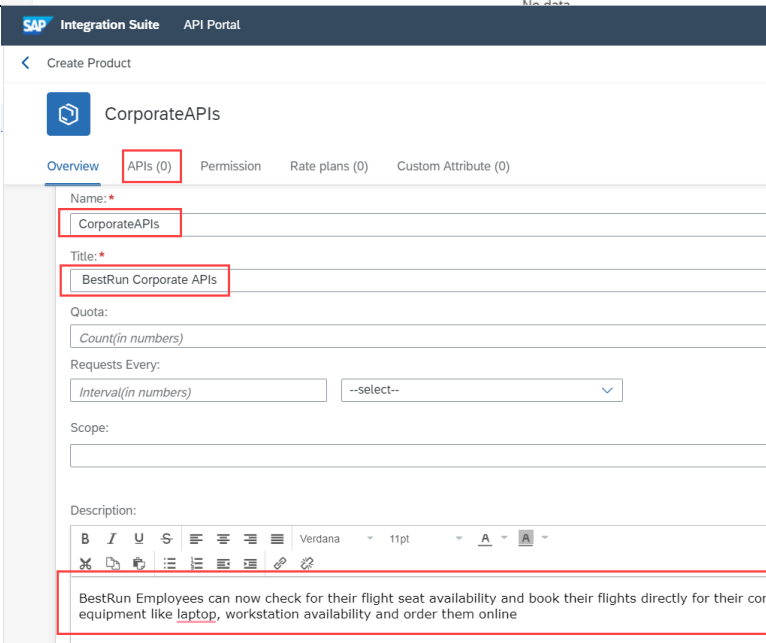
Overview BestRun AG would like to share their APIs with their developer and partners and enable them to consume these APIs in new channels, devices and user interfaces. Their idea is provide a single point of access for the entirety of their APIs ( irrespective of whether it is from SAP, non-SAP, a microservice built by their Line of Businesses or an integration flow built by their in-house IT team) to their developer communities, so that their application developers can come to single place to discover, search, test and consume all the APIs from BestRun AG. IT team of BestRun AG decides to use SAP Cloud Platform API Management to provide a secured, governed access to their APIs. Developers building applications using their APIs, can be internal, a business partner or a technology partner: so IT team of BestRun AG plans to provide their application developers a self-registration (with approval) capability to get access to the Developer portal. To enable access to their APIs, they would like to provide to their application developer with a subscription steps so that the developers can subscribe and get access to the application key.

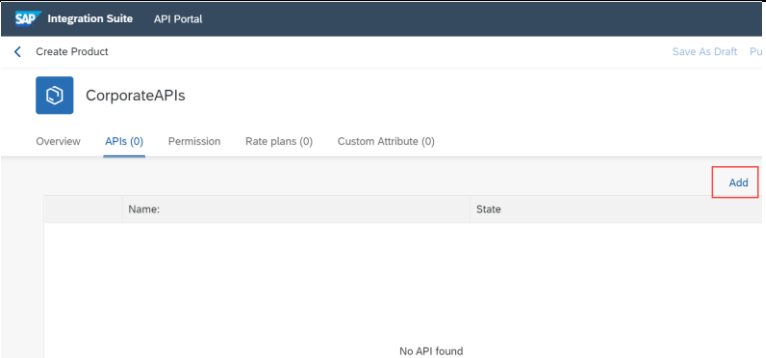
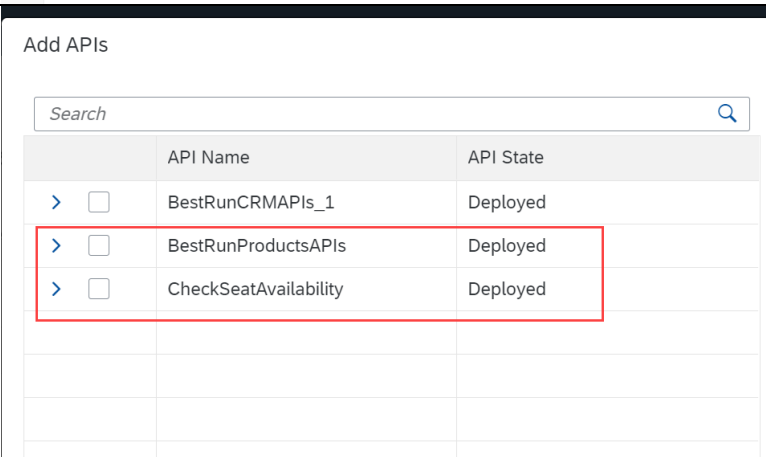
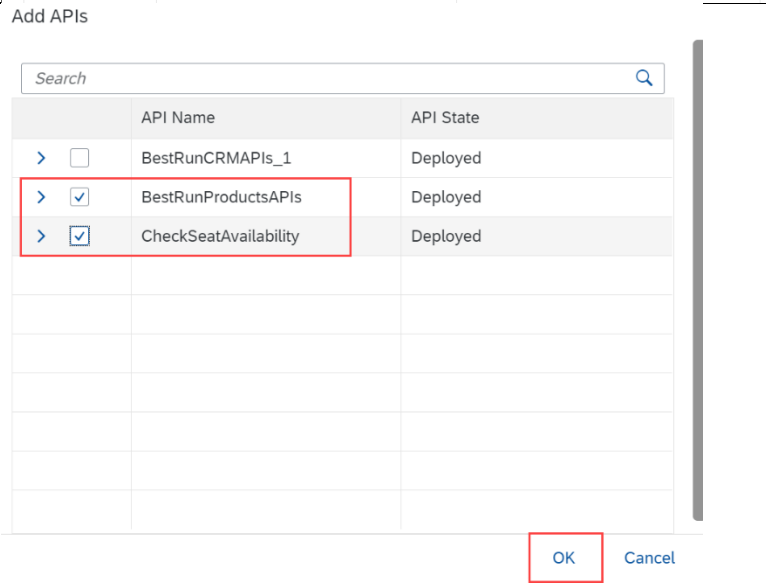
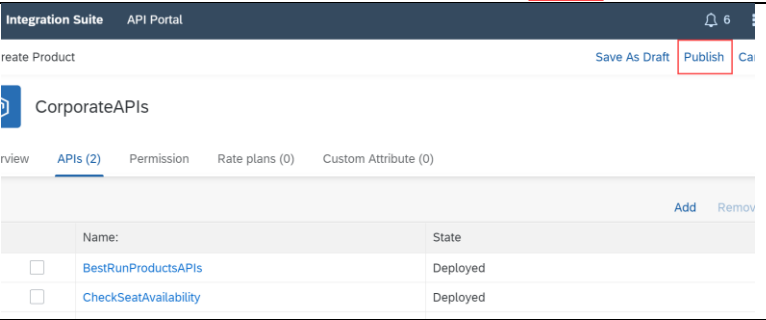
In this exercise you will configure the following for BestRun AG:-

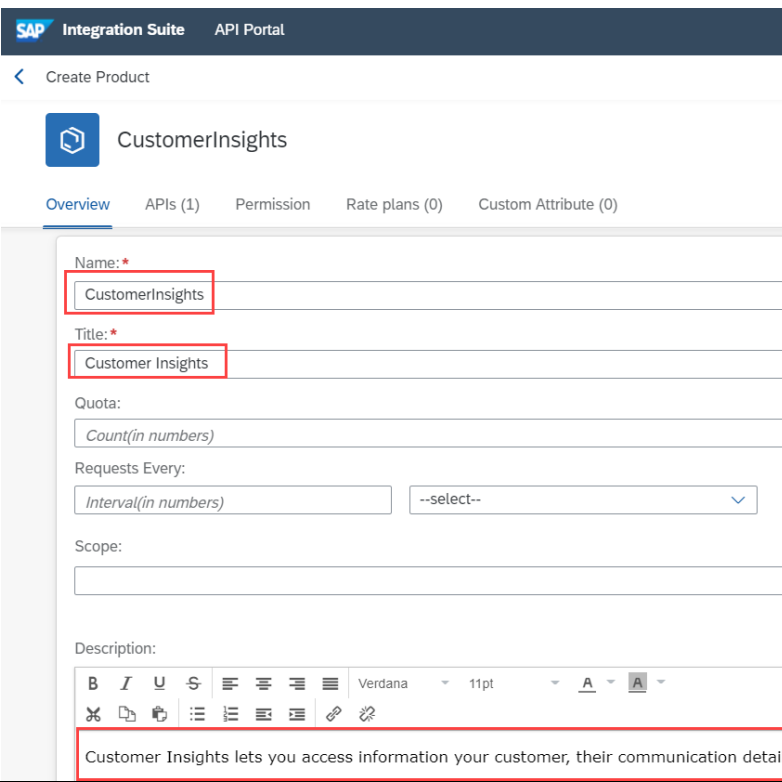


1. Publish the BestRun's APIs to Developer portal with API documentation to make the APIs accessible from Developer portal

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>A product is a bundle of APIs. It contains metadata specific to your business for monitoring or analytics. For example, all APIs related to CRM can be bundled as one CRM product. API Management collects data for analyzing the products. Click to navigate to the Products tab.</p> <p>Click on <b>Products (0)</b> to navigate to the Products tab</p>	 <p>The screenshot shows the SAP Integration Suite API Portal interface. The 'Develop' tab is active, displaying a sub-header 'Create APIs, Products, import Policy Templates and view Applications here.' Below this, there are four tabs: 'APIs (3)', 'Products (0)', 'Applications (0)', and 'Policy Templates (2)'. The 'Products (0)' tab is highlighted with a red box. To the right of the tabs are 'Create' and 'Import API' buttons. Below the tabs is a table with columns 'Name', 'Title', and 'Status'. The table contains three rows of data: 'BestRunCRMApis_1' (Deployed), 'CheckSeatAvailability' (Deployed), and 'BestRunProductsAPIs' (Deployed).</p>
2	<p>Click <b>Create</b> to create API product <b>Corporate API</b></p>	 <p>The screenshot shows the same SAP Integration Suite API Portal interface as in Step 1, but with the 'Products (0)' tab selected. The 'Create' button is highlighted with a red box. The table below the tabs is empty, with a 'Filter' button on the right.</p>
3	<p>BestRun AG would like to expose an API Product for their employees to search for products, flight seat availability for the corporate travel.</p> <p>1. Enter <b>CorporateAPIs</b> in the Name Field</p> <p>2. Enter <b>BestRun Corporate APIs</b> in the Title Field</p> <p>3. Enter <b>BestRun Employees can now check for their flight seat availability and book their flights directly for their corporate travel. You can also use this to check for desktop equipment like laptop, workstation availability and order them online</b> in the Description text field</p> <p>4. Click <b>APIs (0)</b> to add APIs</p>	 <p>The screenshot shows the 'Create Product' form in the SAP Integration Suite API Portal. The form has a sub-header 'CorporateAPIs' and four tabs: 'Overview', 'APIs (0)', 'Permission', 'Rate plans (0)', and 'Custom Attribute (0)'. The 'APIs (0)' tab is highlighted with a red box. The form contains several fields: 'Name: *' (with 'CorporateAPIs' entered), 'Title: *' (with 'BestRun Corporate APIs' entered), 'Quota: *' (with 'Count(in numbers)' selected), 'Requests Every: *' (with 'Interval(in numbers)' selected and a '--select--' dropdown), and 'Scope: *' (empty). Below these fields is a 'Description: *' text area with a rich text editor. The description text is 'BestRun Employees can now check for their flight seat availability and book their flights directly for their corporate travel. You can also use this to check for desktop equipment like laptop, workstation availability and order them online'. The text area is highlighted with a red box.</p>

	Info: Name, Title and APIs are mandatory field for publishing your API Products.	
4	Click <b>Add</b> to add API Proxies to your API Product	
5	Select the API Proxies that you would like bundle within API Product.  BestRun AG would like to expose their Products & CheckSeatAvailability APIs to their corporate users or employees.  Check <b>BestRunProductsAPIs</b> and <b>CheckSeatAvailabilityAPIs</b>	
6	Click <b>OK</b> to add selected API Proxy to the API Product	
7	Click <b>Publish</b> to publish your API Product to the Developer Portal	

8	<p>BestRun AG would like to expose an API Product for their business users to get insights into their customer, customer contacts, deals.</p> <p>Similarly repeat above steps and create API Product <b>CustomerInsights</b></p> <ol style="list-style-type: none"><li>1. Enter <b>CustomerInsights</b> in the Name Field</li><li>2. Enter <b>Customer Insights</b> in the Title Field</li><li>3. Enter <b>Customer Insights lets you access information your customer, their communication details, upcoming opportunities and recently closed deals</b> in the Description text field</li><li>4. API Proxy : <a href="#">BestRunCRM APIs</a></li></ol>	 <p>The screenshot shows the 'Create Product' page in the SAP Integration Suite API Portal. The page title is 'CustomerInsights'. Below the title, there are tabs for 'Overview', 'APIs (1)', 'Permission', 'Rate plans (0)', and 'Custom Attribute (0)'. The 'Overview' tab is selected. The form contains the following fields: 'Name' (filled with 'CustomerInsights'), 'Title' (filled with 'Customer Insights'), 'Quota' (filled with 'Count(in numbers)'), 'Requests Every' (filled with 'Interval(in numbers)' and a dropdown set to '--select--'), and 'Scope' (empty). The 'Description' field is filled with 'Customer Insights lets you access information your customer, their communication details'. A red box highlights the 'Name', 'Title', and 'Description' fields.</p>
9	<p>Congratulations, you have successfully created following API Products for BestRun AG :-</p> <div><div> <a href="#">CustomerInsights</a></div><div> <a href="#">CorporateAPIs</a></div></div>	

Continue to [Exercise 4.2 - Customize your Developer portal](#)