MIRACLE
SOFTWARE SYSTEMS

INTEGRATION OF IBM API MANAGEMENT WITH SAP.

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API Management Resources

Miracle Software Systems,Inc

TABLE OF CONTENTS

Introduction.....3
- What is SAP?.....3
- Advantages of SAP.....3
- Architecture of SAP.....4

Steps to create API.....5
Testing.....13
Reference Links.....17

INTRODUCTION

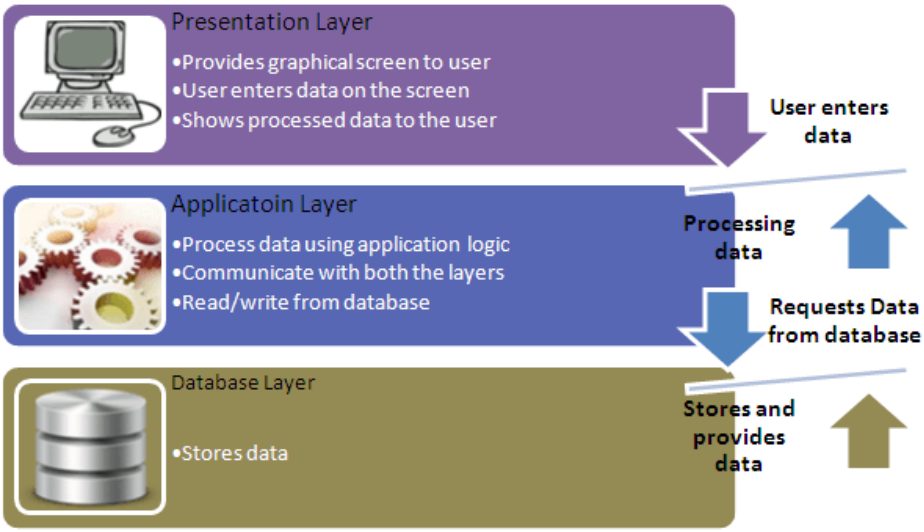
SAP (Systems, Applications & Products in Data Processing) is a German multinational software corporation that makes to manage business operations and customer relations.

SAP is the fourth largest company in the world.

Advantages:

1. Flexibility.
2. Customized solutions to suit your business.
3. Highly integrated with other modules.
4. Industry specific modules with a deep insight.
5. Continuous support.

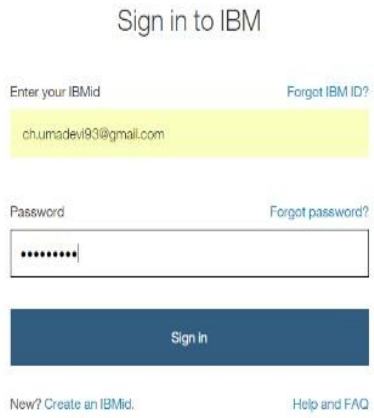
SAP Architecture



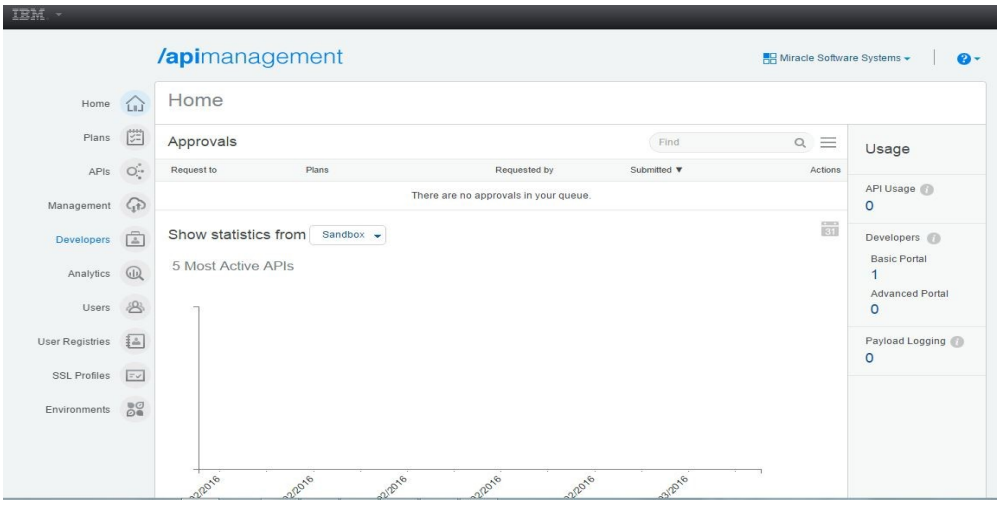
Steps to create API :

Create an account in IBM API Management

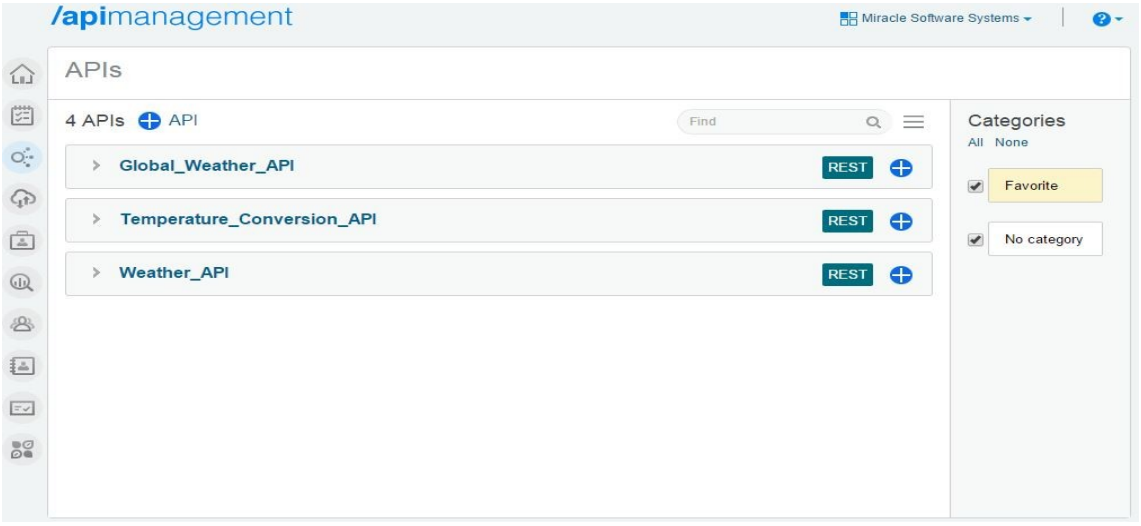
Specify the credentials and Sign in.



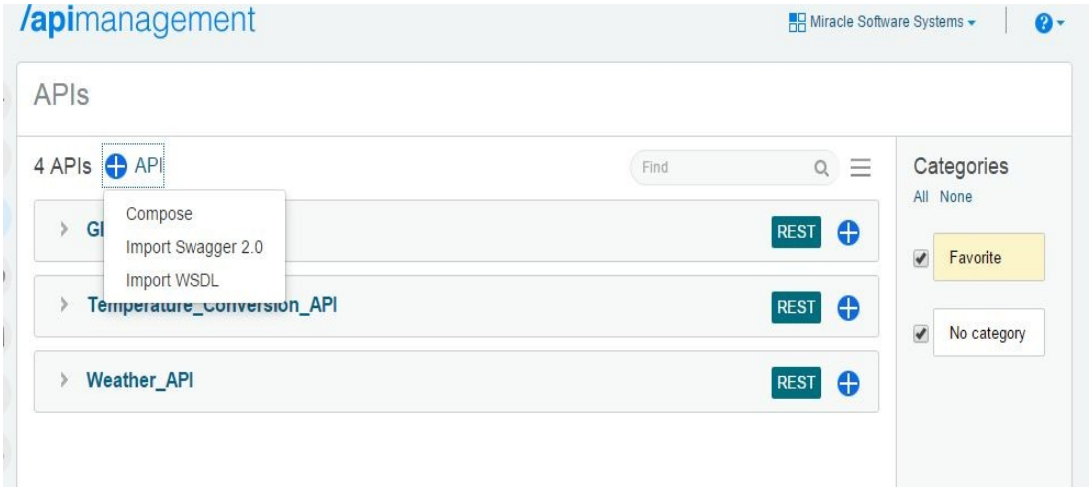
After that you will get the below screen.



Now click on 'APIs' to create new proxy API.

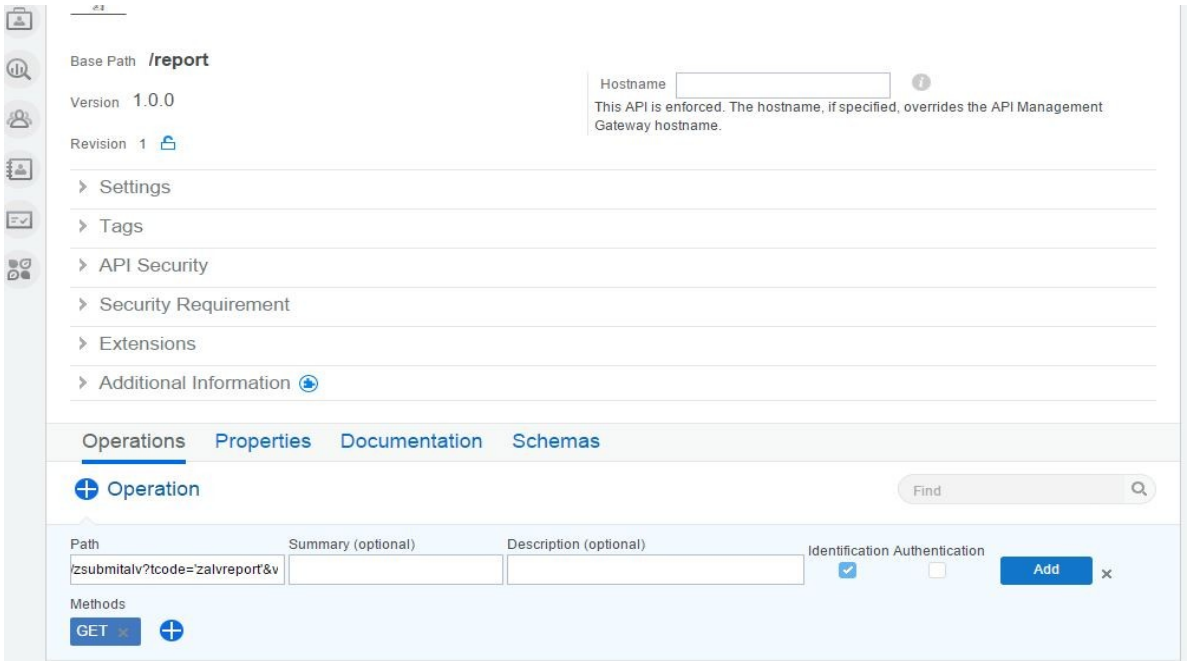


Click on '+' and then click on compose to create new API

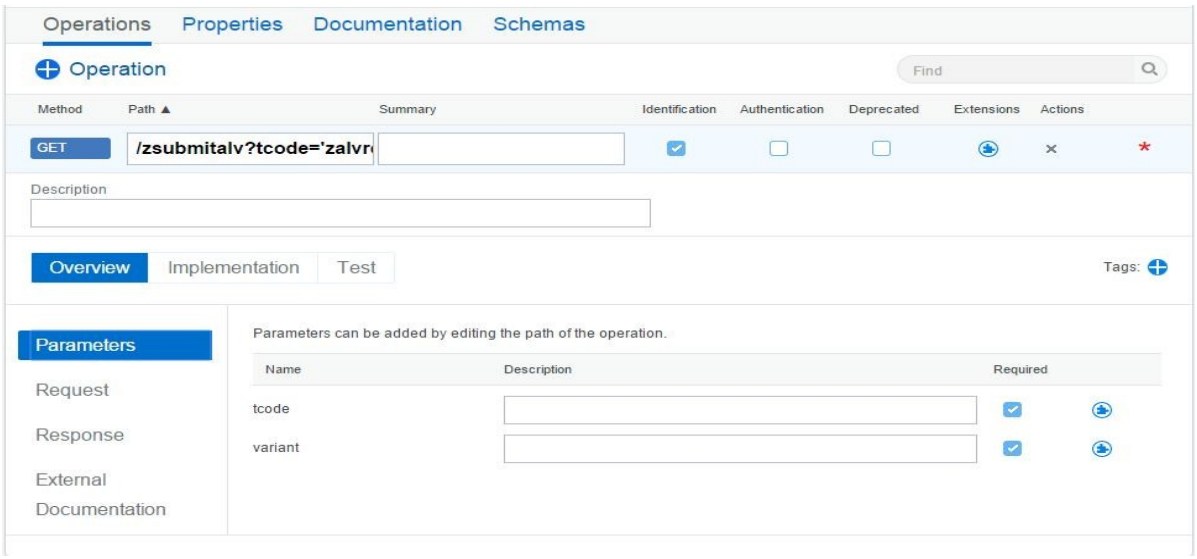


Enter the Title, Base path and click on add to compose the API.

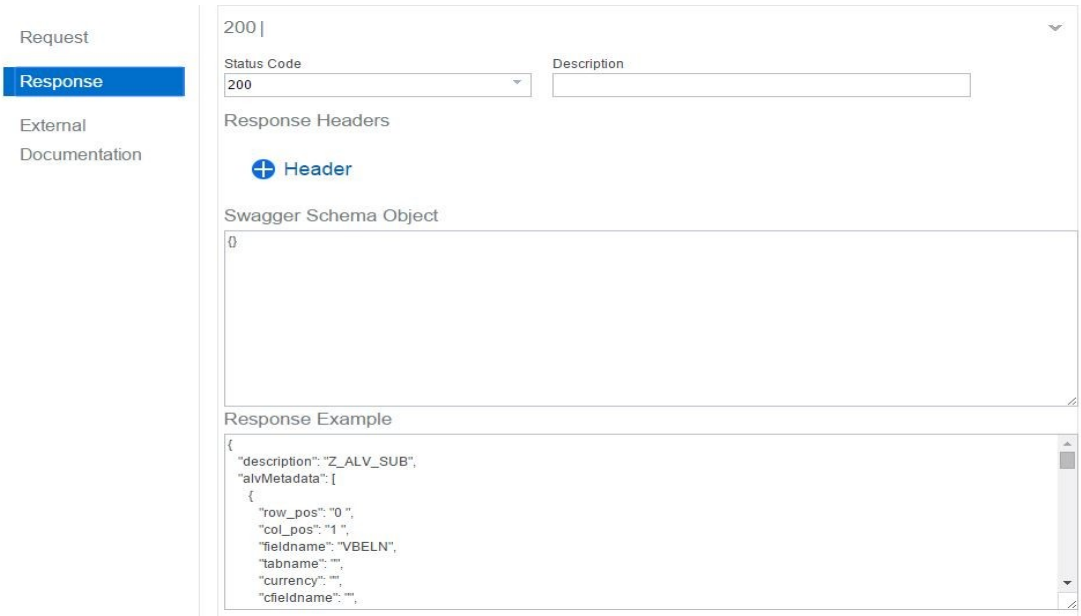
Click '+' operation and then enter the path, and then click on save.



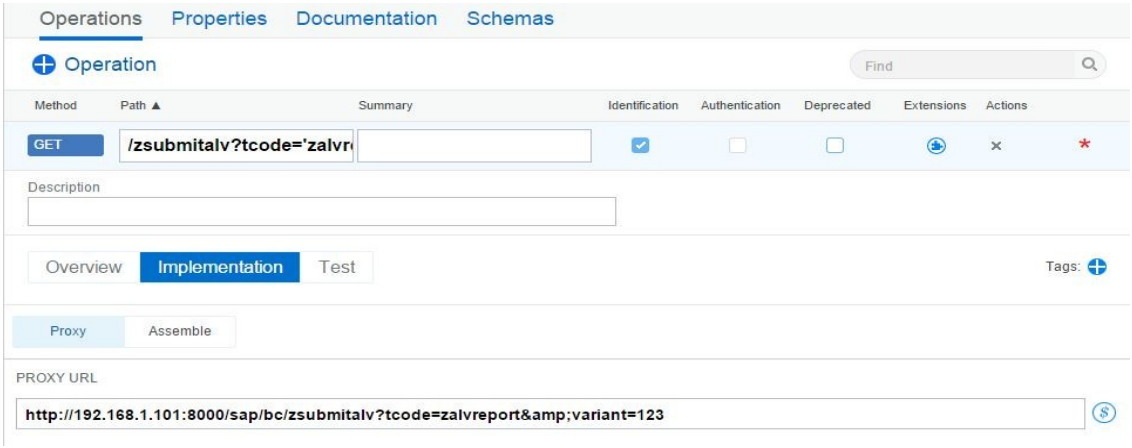
Now, Click on edit button and then click on response in overview tab.



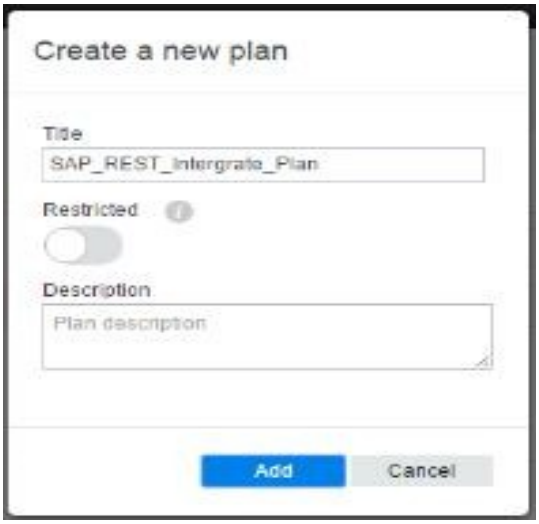
Now, copy the response from the browser when we hit the URL in Response example as shown in below.



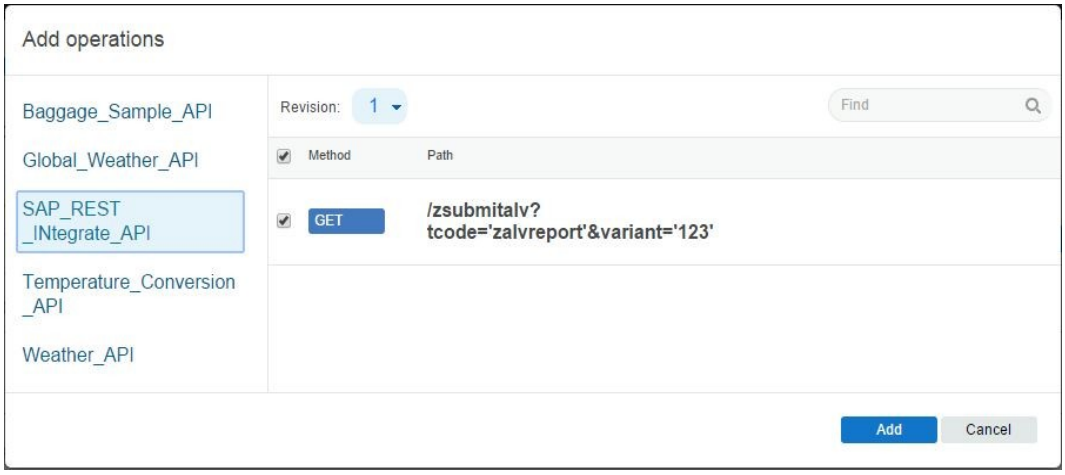
Now click on implementation tab and then enter the URL in proxy.



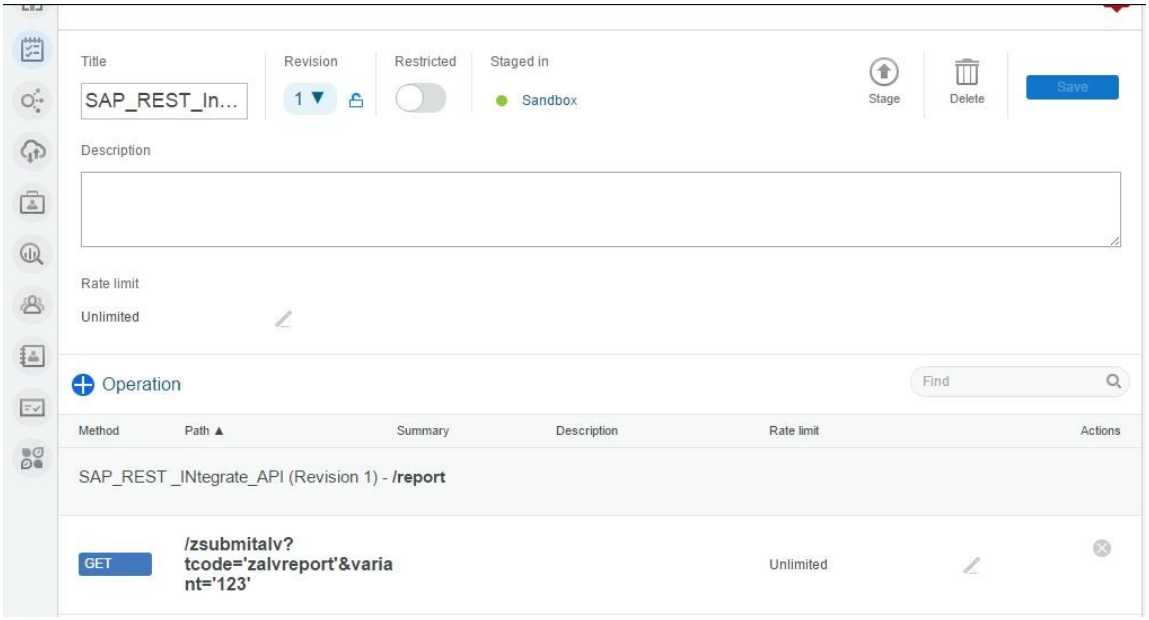
Click on plan to create a new plan.



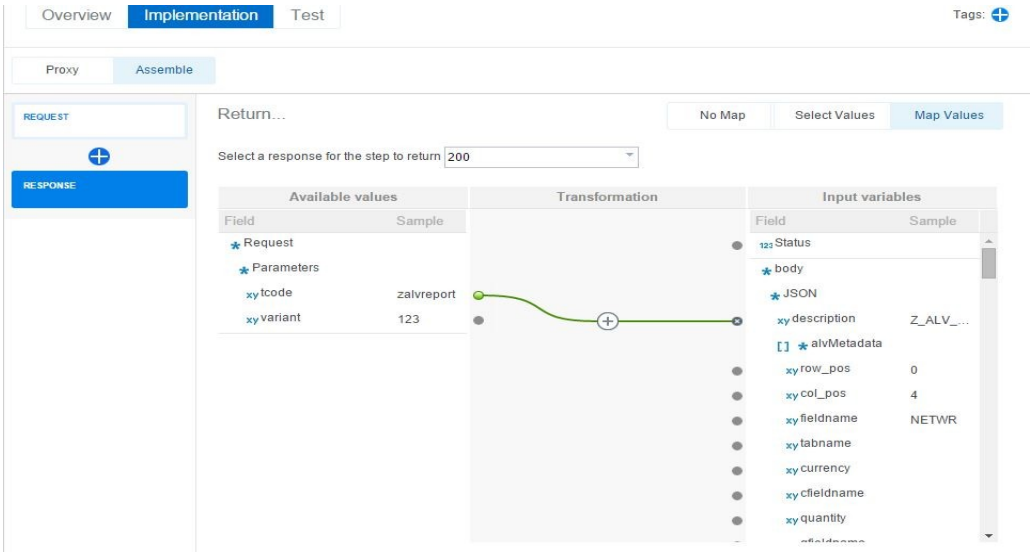
Now click on Add opeartion and select the respected API as shown below.



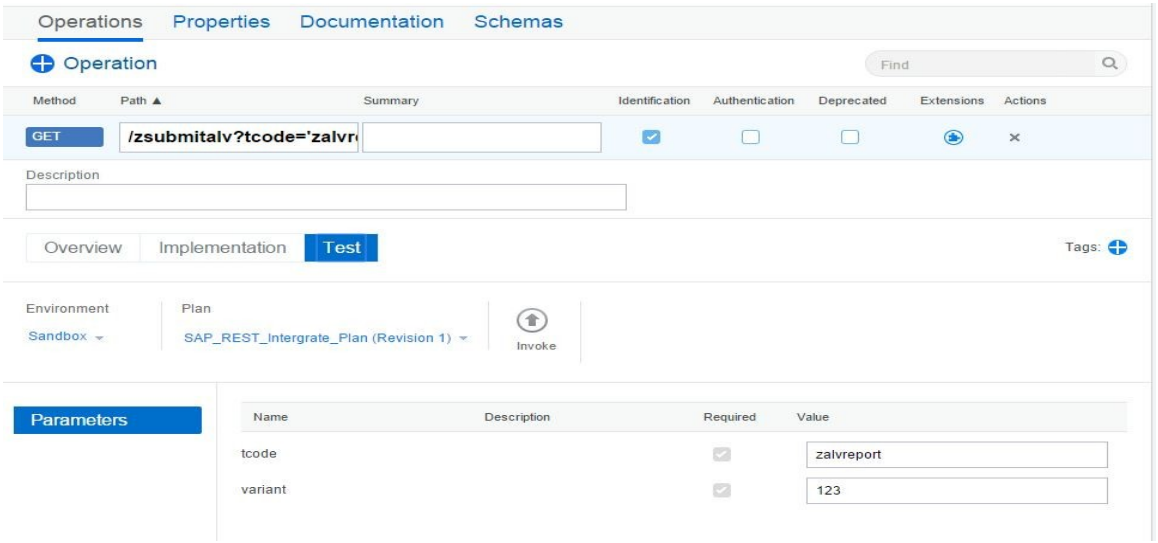
Save the created plan and then click on stage and select the sandbox.



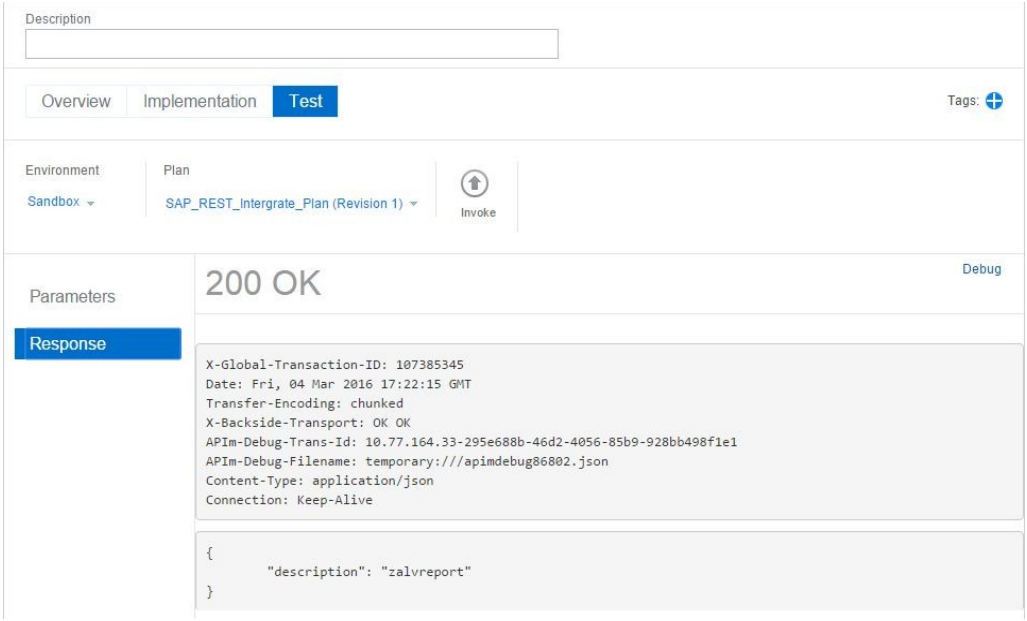
Now click on APIS and Click on response in implementation tab and then click on map values to map.



Save the API. Click on Test to test the API.

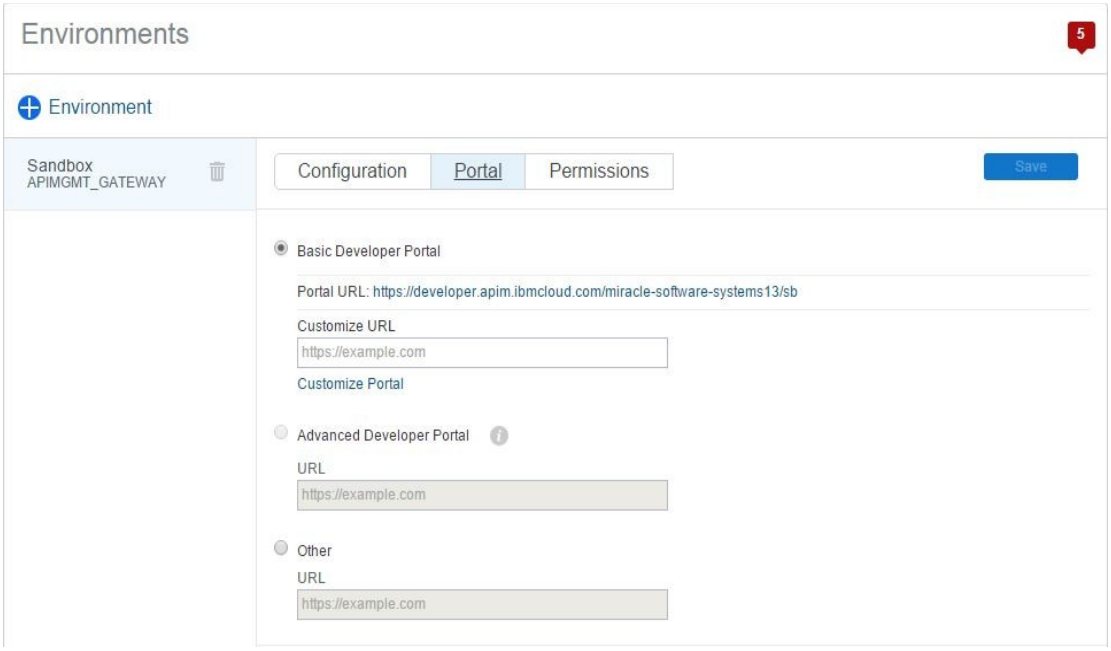


Now click on invoke.

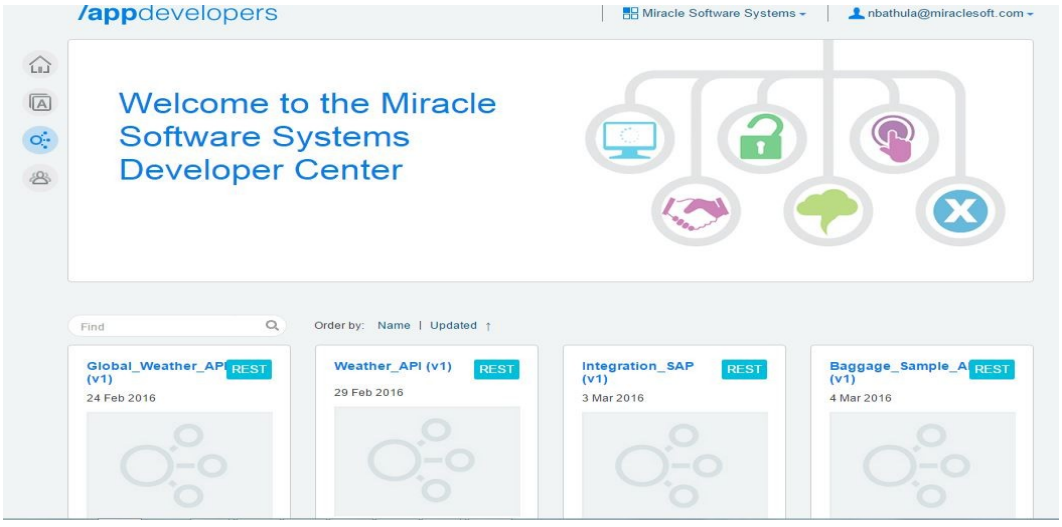


Testing :

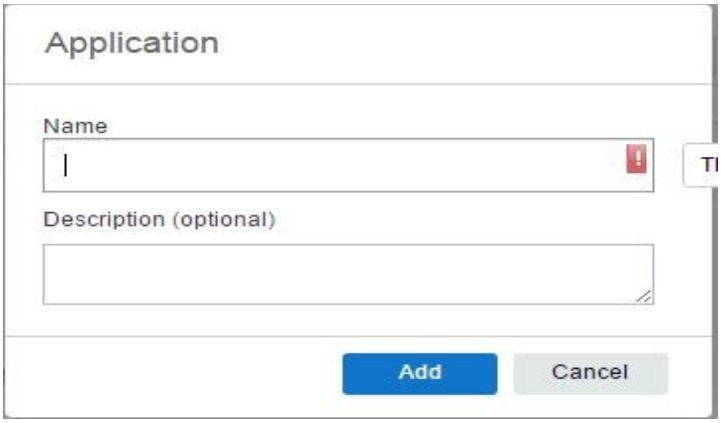
Once we got the response we will go the environment and then click on portal.



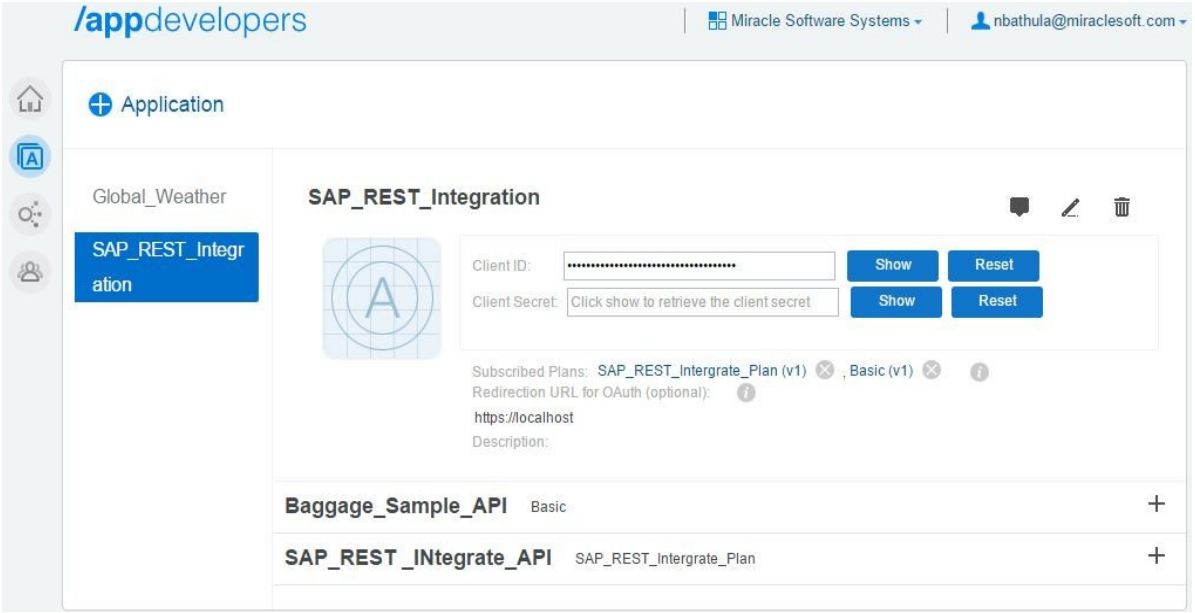
Now click on the basic url and then it will go to the developer portal. If you are new user click on join and enter the details and then sign in.



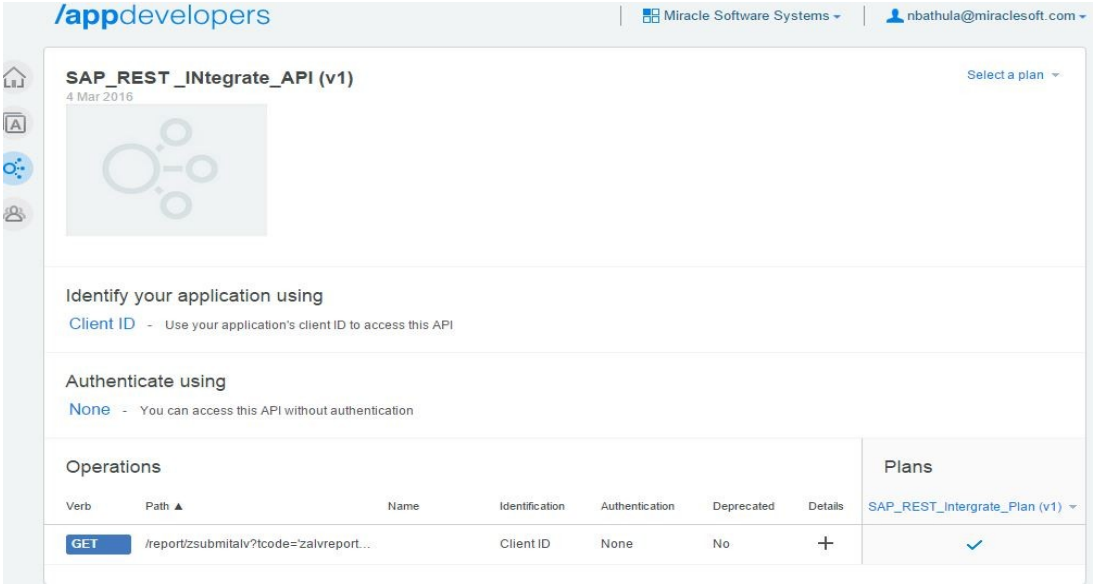
Now click on Application and create a new Application.



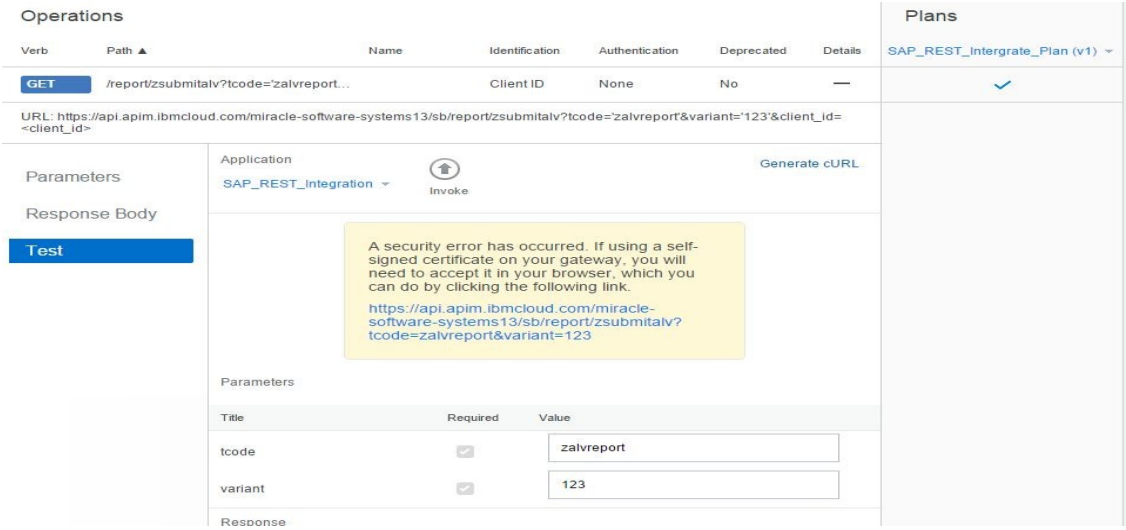
Copy the client_ID which we have to use when the proxy url generated.



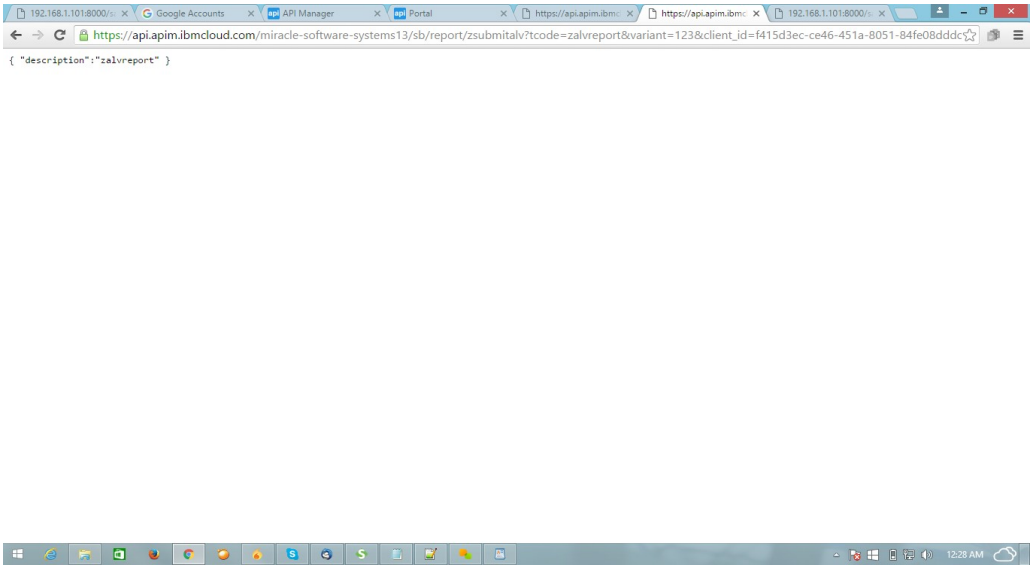
Click on API which we have created and select the respected and use the plan.



Click on '+' Details and then click on invoke to get proxy URL.



Click on the proxy url which is generated and give the client_id which is copied and then the response will be generated as shown below.



Reference Links:

SAP:
http://www.saponlinetutorials.com/what-is-sap-erp-system-definition/

http://blog.nexright.com/api-management/api-management-sap/

SAP Architecture:
http://www.guru99.com/learning-sap-architecture.html

API:

https://www-01.ibm.com/support/knowledgecenter/SSWHYP_4.0.0/com.ibm.apimgmt.apionprem.doc/api_create.html