

# openSAP SAP Cloud Platform API Management Additional Download

PUBLIC





## TABLE OF CONTENTS

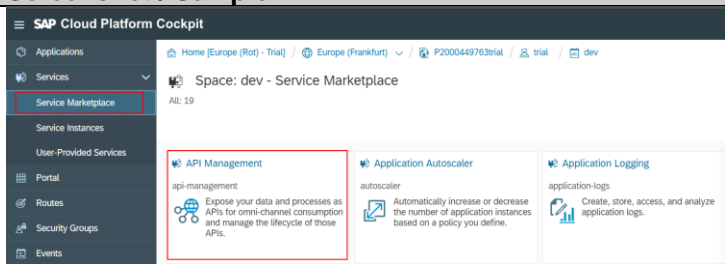
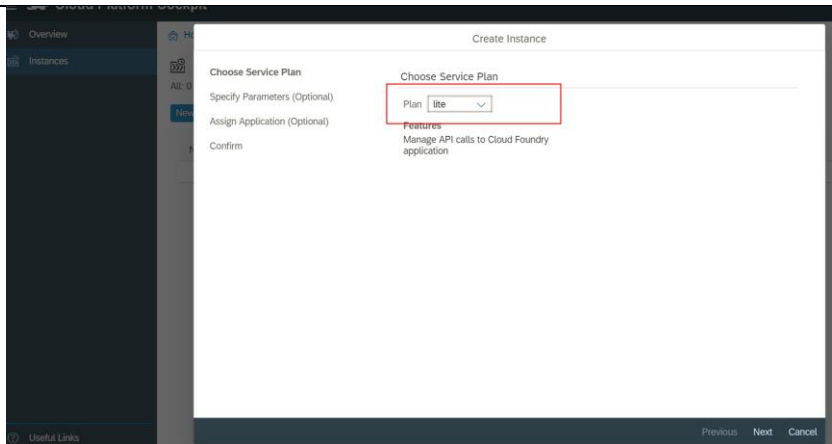
SYSTEM PREREQUISITES .....	3
CREATE BINDING TO SAP CLOUD PLATFORM API MANAGEMENT SERVICE .....	3
BIND YOUR API TO SAP CLOUD PLATFORM API MANAGEMENT SERVICE .....	4
FURTHER READS .....	5

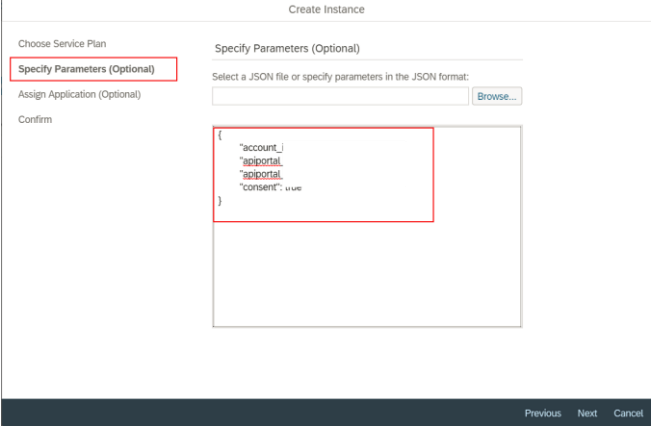
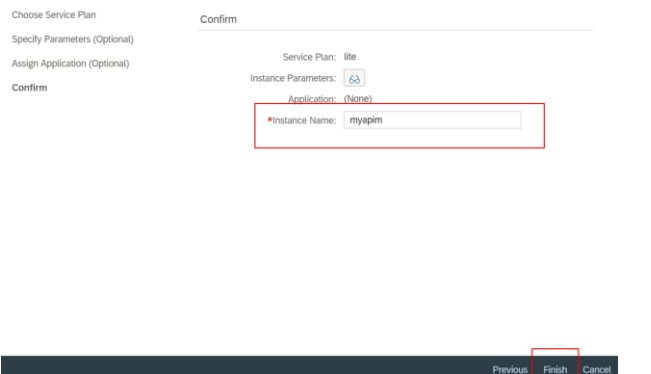
In this exercise, you'll explore the use of API first design and show how OpenAPI and the SAP API Designer can help develop your first micro service. The microservice you'll create would be for product catalog and product details like stock availability and price information.

## SYSTEM PREREQUISITES

- Account on the [SAP Cloud Platform](#)
- Node JS version 6.12.3 or later installed ( <http://www.nodejs.org> )
- Node Package Manager (NPM) 3.10 or later installed (should be automatically installed when you install Node JS)
- Visual Studio Code ( <https://code.visualstudio.com/> ) or another code editor
- MongoDB version 3.6.5 or later installed ( <https://docs.mongodb.com/manual/installation/> )
- MongoDB running locally as a Windows Service ( <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/> for Windows machine only)
- Cloud Foundry Command Line Interface version 6.34 or later ( <https://docs.cloudfoundry.org/cf-cli/install-go-cli.html> )

## CREATE BINDING TO SAP CLOUD PLATFORM API MANAGEMENT SERVICE

Steps	Screenshot / Sample
Logon to SAP Cloud Foundry account, from Services -> Service Marketplace search for API Management service	
From the Instances tab, click on New Instance and create a service instance of plan <b>lite</b>	

<p>In the Specify Parameters step provide coordinates to your SAP Cloud Platform API Management tenants</p> <pre>{   "account_id": "your_accountId",   "apiportal_admin":   "apiportal_admin_user_id",   "apiportal_password":   "apiportal_admin_user_password",   "consent": true }</pre>	
<p>Enter an instance name for your SAP Cloud Platform API Management service say myapim and then click <b>Finish</b></p>	

## BIND YOUR API TO SAP CLOUD PLATFORM API MANAGEMENT SERVICE

Step	Screenshot/ Sample
Open Command Line tool	
Set your Cloud Foundry Environment API endpoint	cf api https://api.cf.eu10.hana.ondemand.com
Login to your Cloud Foundry space and enter your Cloud Foundry user credentials	cf login
Bind your microservice to Cloud Foundry Route service via SAP Cloud Platform API Management	cf bind-route-service cfapps.eu10.hana.ondemand.com myapim -- hostname productcatalogs -c "{\"api_name\" : \"productcatalogs\"}"



## FURTHER READS

- [SAP Guidelines for REST API Harmonization](#)
- [OpenAPI Specification 2.0](#)
- Accessing [API Designer](#) from SAP Cloud Platform Trial Account
- Documenting APIs with [OpenAPI Specification](#) in API Designer
- [Video Tutorial](#) for Creating and Documenting APIs in API Designer
- [Blog](#) on Develop and manage API first enterprise microservices with SAP Cloud Platform and API Management

## Coding Samples

Any software coding or code lines/strings ("Code") provided in this documentation are only examples and are not intended for use in a production system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules for certain SAP coding. SAP does not warrant the correctness or completeness of the Code provided herein and SAP shall not be liable for errors or damages caused by use of the Code, except where such damages were caused by SAP with intent or with gross negligence.

**[www.sap.com/contactsap](http://www.sap.com/contactsap)**

© 2018 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See <http://www.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

**THE BEST RUN**