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# Vipps eCommerce APIs Getting Started Guide

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## Overview

This document is meant to help you get started quickly with testing the eCommerce APIs in the Merchant Test Environment.

## 1. Vipps Developer Portal

Your portal to everything Vipps API related is the Vipps developer portal. You should already have received credentials for the "Vipps Developer Portal" in test.

### 1.1 Accessing Developer Portal in Tests

You can access the developer portal in Test by navigating to the following URL:

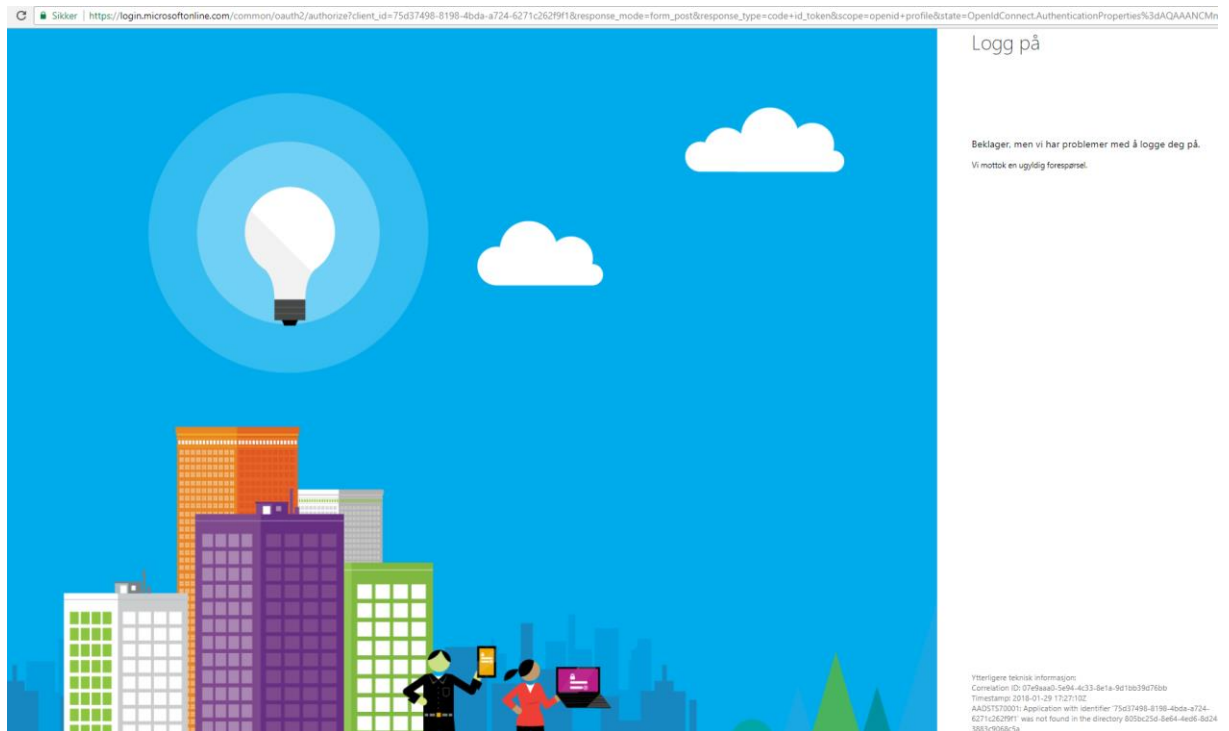
<https://apitest-portal.vipps.no>

### 1.2 Developer Portal Credentials

We use Azure to control the access to the developer portal. You should have received the credentials by email to the email address you have given us at registration time. The username will typically have been <company name>@testapivipps.no and you would have chosen the password after first login.

#### 1.2.1 Issues with username or password

- If you have not yet received any credentials for the developer portal then it might be that you have not yet registered for "Vipps på Nett". Please ensure that you have registered through the portal: <https://www.vippsbedrift.no/signup>
  - If you know that you have registered through the portal then once we have reviewed your application you will receive the credentials to the email you gave us at the time of registrations.
  - If you know your username but need us to reset your password please raise a technical support request and we can send a new reset password to the admin email recorded at time of registration ( <https://vippsas.atlassian.net/servicedesk/customer/portal/2> ).
  - If you navigate to the products tab and see "No results found." You might not have logged in. Click on "sign in" and sign in with Azure Active Directory.
- 
- If you see the following screen or similar, this is most likely caused by you being logged in with a different Azure account than the one we have set up for you in the developer portal:



Please navigate to <https://portal.office.com> and click on the profile icon on the top right corner and select "sign out". Try going back to the developer portal and retry signing in with Azure. Ensure you are using the @testapivipps.no credentials given to you when signing in.

## 2. API Documentation

You will find all necessary documentation for the APIs in the developer portal. Additional documentation for the APIs can be found here:

<https://www.vipps.no/utvikler>

If you do not find documentation related to your version of the API, you may raise a request through the support portal (

<https://vippsas.atlassian.net/servicedesk/customer/portal/2> ).

## 3. User Test App

We currently use HockeyApp to distribute the test App. You should always get the latest version of the test app from HockeyApp.

You can access HockeyApp from the following link: <https://rink.hockeyapp.net>

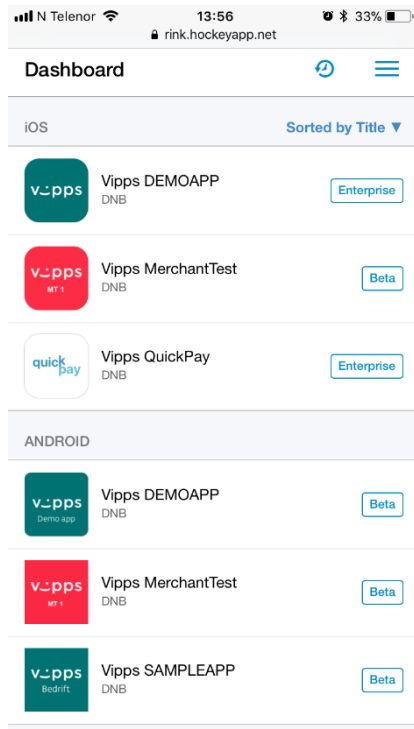
### 3.1 HockeyApp Credentials

We send out invites to contact persons personal email so you should be using your own personal email to login to HockeyApp. If you do not have the App in HockeyApp and see

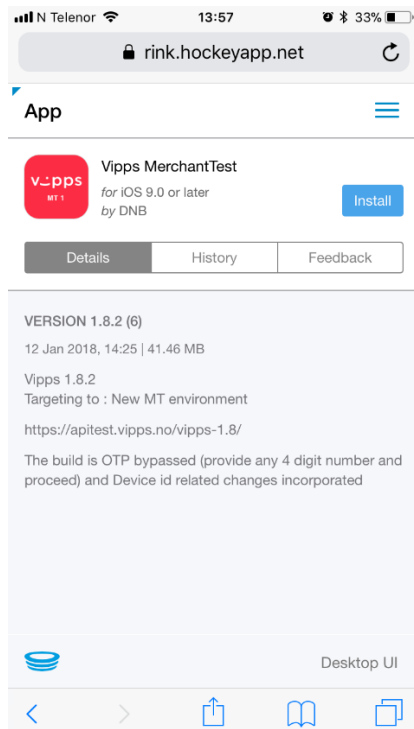
a blank screen after login, please raise a request through the support portal ( <https://vippsas.atlassian.net/servicedesk/customer/portal/2> ).

## 3.2 Installing Test App on iOS

**3.2.1 Under the “iOS” section, select the “Vipps MerchantTest” app and in the subsequent screen select install**



### 3.2.2 Click install on the popup and wait for the App to finish installing



### 3.2.3 Go to settings -> General -> Profiles & Device Management -> SpareBank 1 Mobilbetaling AS and click on 'Trust "SpareBank 1 Mobilbetaling AS"' and confirm with "Trust" on the subsequent popup

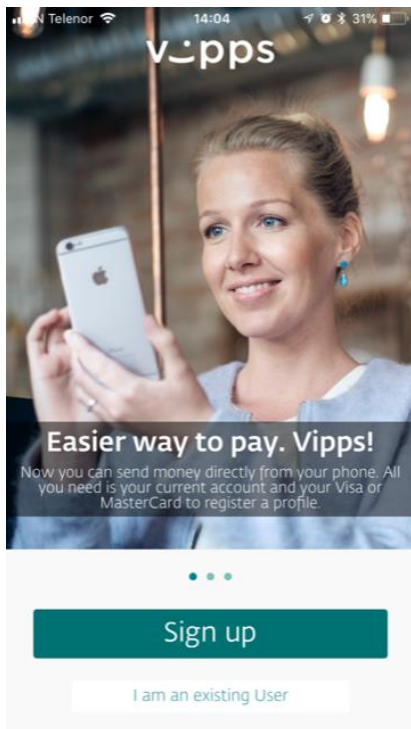
## 3.3 Creating a new user profile in test app

You can create a new user by choosing "Sign up" but you have to ensure that all the dummy data you use are valid. The test app has no live external connections and is connected only to test systems but these systems still validate against CCNs, SSNs, phone numbers and account numbers to ensure these are valid numbers for Norwegian based citizens and accounts.

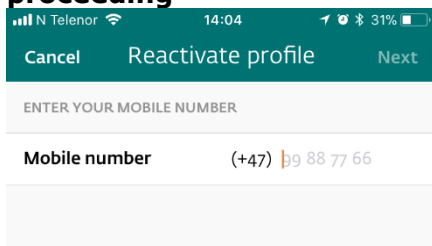
## 3.4 Activating an existing user profile

At first time creation we usually share an existing user profile mobile number and pin code for your convenience. If you have not received one or require additional test profiles and are not able to create these yourself please request one through the support portal ( <https://vippsas.atlassian.net/servicedesk/customer/portal/2> ). Use the following steps to activate an existing user profile

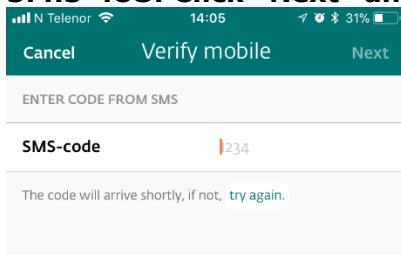
### 3.4.1 Open the test app and select "I am an existing User"



### 3.4.2 Enter the phone number for your test account – NB! See next step before proceeding

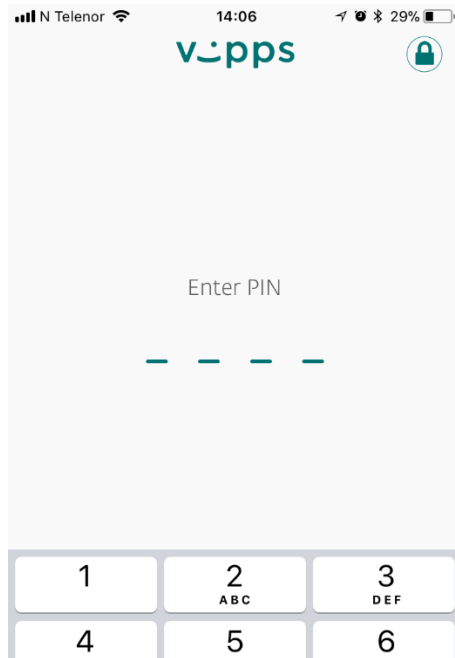


### 3.4.3 iOS: Click "Next" and fill in any 4 digit number and click "Next" again



### 3.4.4 Android: Click on the arrow key on the top right corner in order to skip the phone verification step. You will get stuck in the phone verification step and have to restart if you proceed from the previous step using the keyboard and not the arrow as mentioned.

### 3.4.5 Enter the pin number you received along with the test mobile number



The screenshot shows the v:pps app interface on a mobile device. At the top, the status bar displays 'N Telenor', the time '14:06', and a battery level of '29%'. The app's logo 'v:pps' is in the top left, and a lock icon is in the top right. The main screen has a light gray background with the text 'Enter PIN' in the center. Below the text are four horizontal dashed lines for entering the PIN. At the bottom, there is a numeric keypad with buttons for digits 1 through 6. The buttons for 2 and 3 also show the letters 'ABC' and 'DEF' respectively.



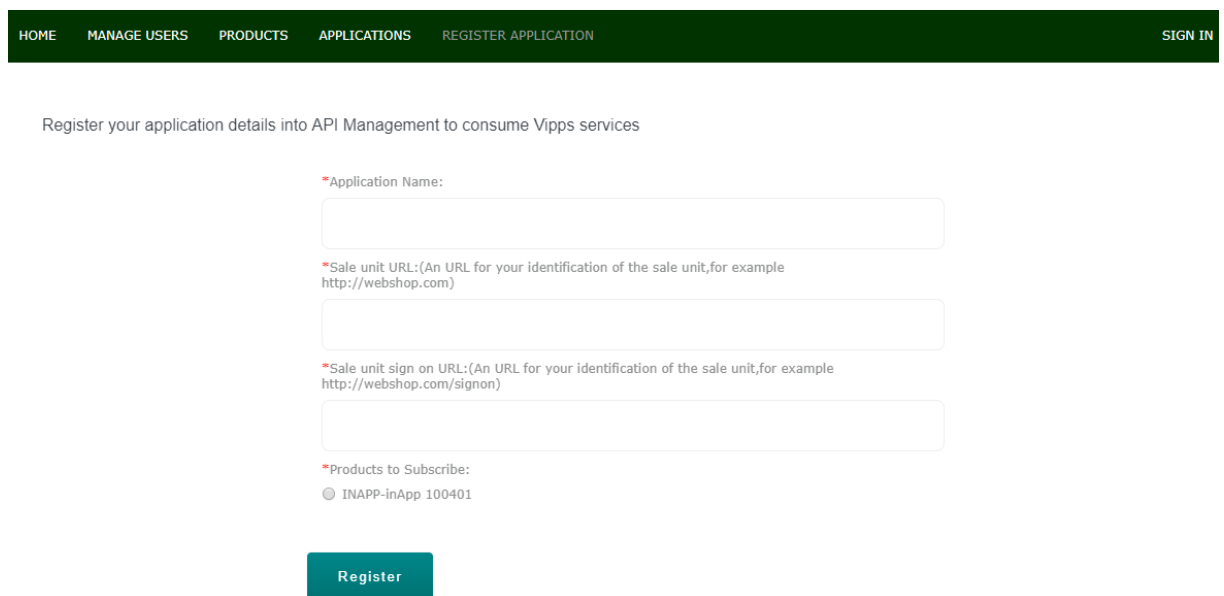
## 4. My First API Call

This section will provide you with the help needed in order to make your first API call as quickly as we possibly can help you with. The first step is to register an application on the test developer portal.

Additional help can also be found on the guide for Vipps Developer Portal at <https://dev.vippsbedrift.no/User-manual-for-developer-portal.pdf>

### 4.1 Registering an application on the portal

1. Click on the Register Application tab in navigation bar to navigate to the application registration page.
2. Fill in all the required fields, Application Name, Saleunit URL, Saleunit Sign on URL (You can use any valid URL of your choosing as these are only identifiers and the API will not attempt to connect to these)



The screenshot shows the 'REGISTER APPLICATION' page of the Vipps Developer Portal. The navigation bar at the top includes links for HOME, MANAGE USERS, PRODUCTS, APPLICATIONS, and REGISTER APPLICATION, with a SIGN IN link on the right. Below the navigation bar, there is a heading 'Register your application details into API Management to consume Vipps services'. The form contains four required fields, each with a red asterisk and a label: 'Application Name', 'Sale unit URL:(An URL for your identification of the sale unit,for example http://webshop.com)', 'Sale unit sign on URL:(An URL for your identification of the sale unit,for example http://webshop.com/signon)', and 'Products to Subscribe:'. The 'Products to Subscribe' field has a radio button selected next to 'INAPP-inApp 100401'. At the bottom of the form is a green 'Register' button.

3. After confirming the registration the Client ID and Client Secret are displayed, these values are needed in the integration.

### 4.2 Developer Portal

The developer portal provides you with an easy way to get started making your first API call. Go to the Products tab and select Access Token. Study the documentation and click Test the API(S). Click Try it and fill in with the client id and client secret of the application you would like to get an access token for. You can use the access token from the response when trying out API calls for your application from the application tab.

#### 4.2.1 Collect credentials

The following table should guide your way to where credentials and values for use in the APIs can be collected from

Key	Value
<b>Ocp_Apim_Key Access Token</b>	Go To Developer Portal->Click on your name on top right->select profile->find subscription named DEFAULT_ACCESSTOKEN and copy the value from Primary key here
<b>Client_Id</b>	Go To Developer Portal->Select the Applications tab->Select View secret for your application->Client Id
<b>Client_Secret</b>	Go To Developer Portal->Select the Applications tab->Select View secret for your application->Client secret
<b>orderId</b>	any value to start your sequence - recommend using your ORG Number followed by 00000 and the incremented
<b>Authorization</b>	"Bearer " followed by the Access Token obtained from the Get Access Token call
<b>Timestamp</b>	All timestamps need ot be in isoTime format (eg. 2018-01-31T16:14:02.715Z)
<b>X-Request-Id</b>	Any value string limited to 30 characters
<b>merchantSerialNumber</b>	Go To Developer Portal->Select the Applications tab->Copy the Saleunit Serial Number from the your application
<b>Ocp_Apim_Key eCommerce product</b>	Go To Developer Portal->Click on your name on top right->select profile->find subscription relevant to your eCommerce Product and copy the Primary key across

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## 5. Postman

This section is meant to help you find the details required to make your API call work. We have included some answers to most common questions as well.

You do not need to set up Postman and can make API calls through the test developer portal as well as from any other tool.

### 5.1.1 Setting up Postman

Please install Postman if you have not already and familiarize yourself with the tool. This guide assumes basic familiarity with Postman. See Postman official website if you have any questions regarding the tool: <https://www.getpostman.com/>

The following steps should help you make your initial API call through Postman

1. Import the Postman Collection ( [https://dev.vippsbedrift.no/MTE%20-%20eCommerce%20InApp%20Alignment%20API.postman\\_collection.json](https://dev.vippsbedrift.no/MTE%20-%20eCommerce%20InApp%20Alignment%20API.postman_collection.json) )
2. Import the Postman Environment File ( [https://dev.vippsbedrift.no/MTE%20-%20eCommerce%20InApp%20Alignment.postman\\_environment.json](https://dev.vippsbedrift.no/MTE%20-%20eCommerce%20InApp%20Alignment.postman_environment.json) )
3. Click on the config cog on top right corner of Postman and select "Manage Environments"
4. Select "MTE - eCommerce InApp Alignment" and update values with values for your application. If in doubt read the description for guidance.
5. Make a Get Access Token call
6. Make an Initiate Payment Call (the orderId will be incremented for each Initiate Payment call)
7. Copy the link from the response and paste it into a web browser
8. Click OK and you should receive a push notification that a payment is pending on your test mobile app if you have set up everything correctly