

# **Oracle Banking Digital Experience**

**Social Payments - Twitter Setup Guide**

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**ORACLE®**

Socail Payments - Twitter Setup Guide

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# Table of Contents

<b>1. Preface</b> .....	<b>4</b>
1.1 Intended Audience .....	4
1.2 Documentation Accessibility .....	4
1.3 Access to Oracle Support .....	4
1.4 Structure.....	4
1.5 Related Information Sources.....	4
<b>2. Social Payments - Twitter</b> .....	<b>5</b>
<b>3. Twitter Console Configurations</b> .....	<b>6</b>
<b>4. OBDX Configurations</b> .....	<b>13</b>

# 1. Preface

## 1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

## 1.2 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## 1.3 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## 1.4 Structure

This manual is organized into the following categories:

*Preface* gives information on the intended audience. It also describes the overall structure of the User Manual.

*Introduction* provides brief information on the overall functionality covered in the User Manual.

The subsequent chapters provide information on transactions covered in the User Manual.

Each transaction is explained in the following manner:

- Introduction to the transaction
- Screenshots of the transaction
- The images of screens used in this user manual are for illustrative purpose only, to provide improved understanding of the functionality; actual screens that appear in the application may vary based on selected browser, theme, and mobile devices.
- Procedure containing steps to complete the transaction- The mandatory and conditional fields of the transaction are explained in the procedure.

If a transaction contains multiple procedures, each procedure is explained. If some functionality is present in many transactions, this functionality is explained separately.

## 1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Release 18.3.0.0.0, refer to the following documents:

- Oracle Banking Digital Experience Licensing Guide
- Oracle Banking Digital Experience Installation Manuals

## **2. Social Payments - Twitter**

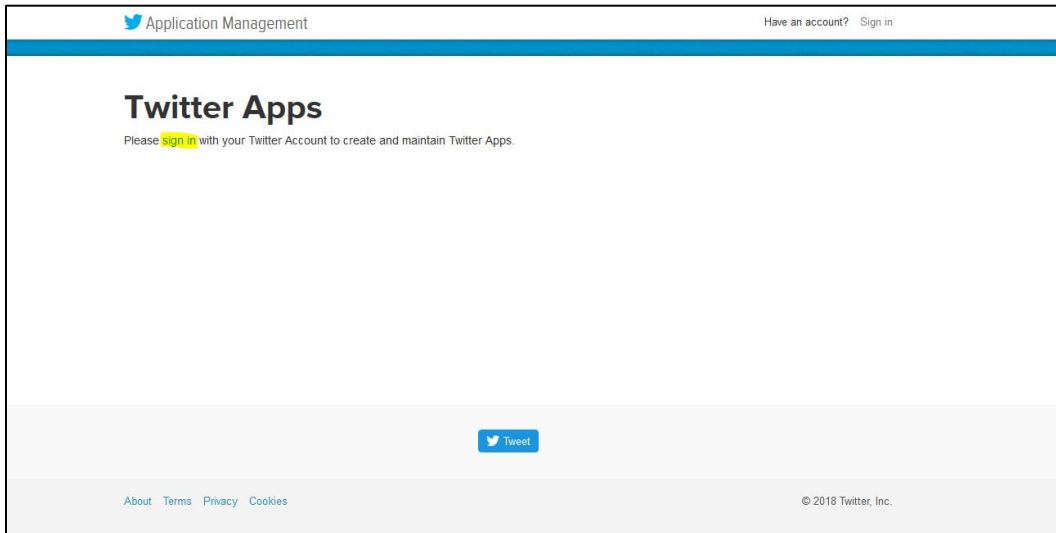
A Social Payment involves the transfer of money to an individual via social media. Social payments simplify digital payments by affording the initiator of the payment, the convenience of not having to know or remember the recipient's account information.

This document defines the means by which Twitter can be enabled as a mode under OBDX Peer to Peer Payments, by selecting which, retail users can initiate transfers towards Twitter Handles.

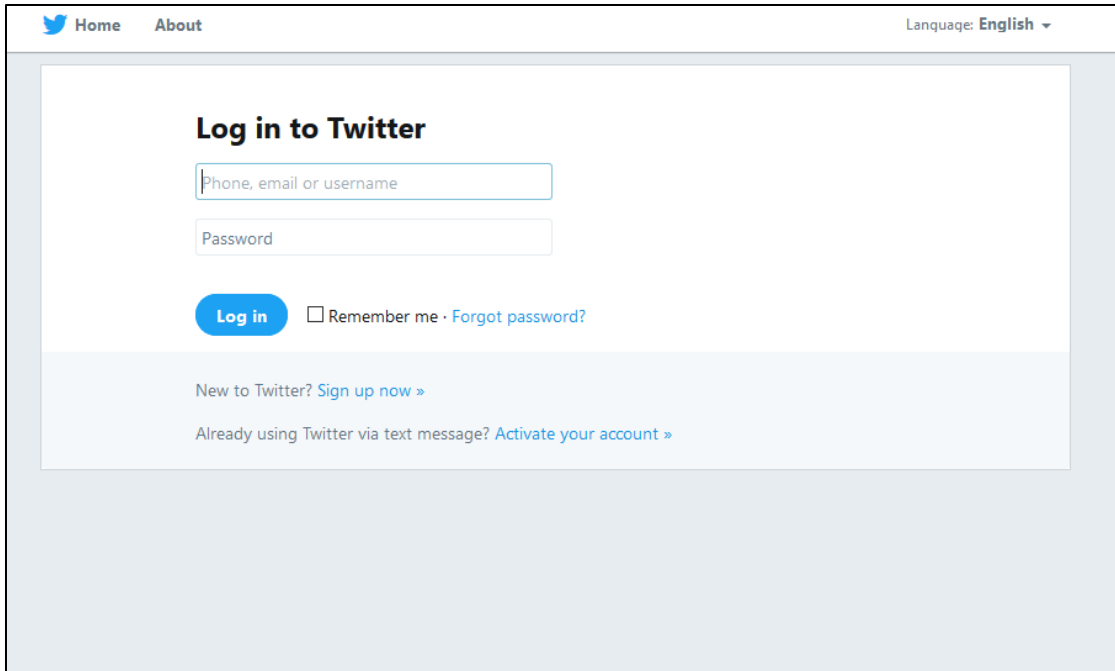
### 3. Twitter Console Configurations

This section documents the steps involved in enabling Twitter as a made for Peer to Peer payments in OBDX.

1. Navigate to the Twitter Application Management page - <https://apps.twitter.com/>
2. Click on the **sign in** link to login to the twitter account with which the app is associated.

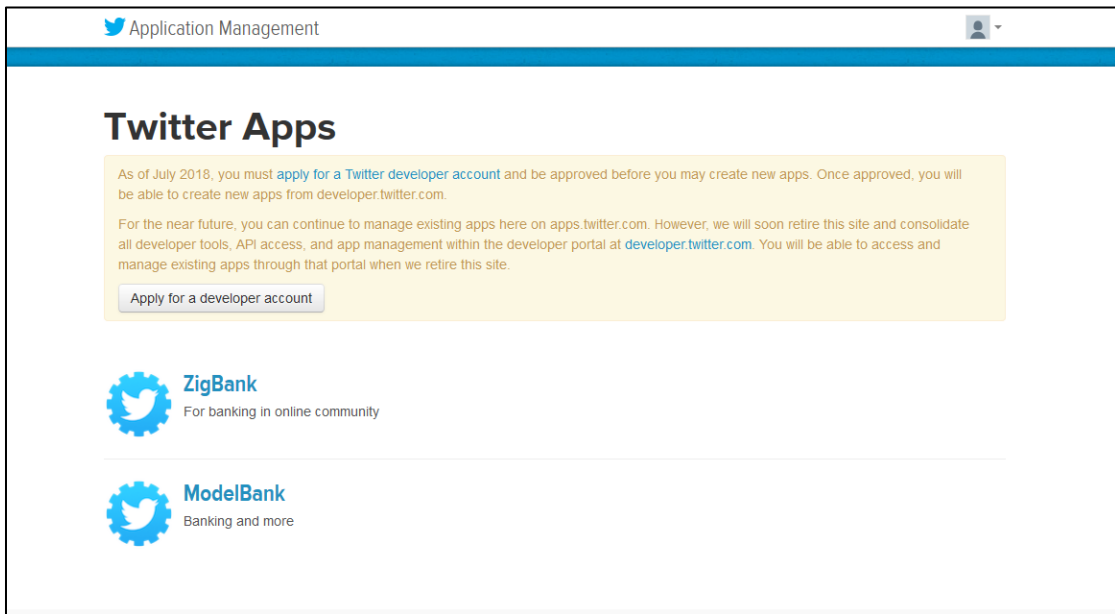


3. Login to the bank's Twitter account by entering user ID and password of the associated account in the provided fields. (The bank is required to have a twitter account.)



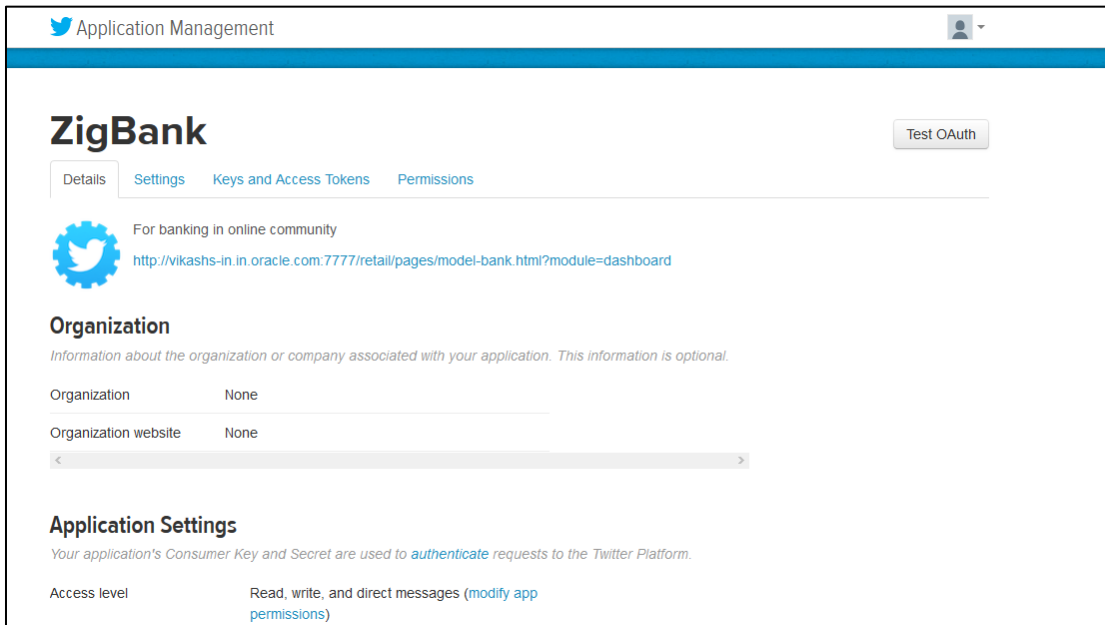
The screenshot shows the Twitter login interface. At the top, there are links for 'Home' and 'About', and a language selector set to 'English'. The main heading is 'Log in to Twitter'. Below this, there are two input fields: 'Phone, email or username' and 'Password'. A blue 'Log in' button is positioned to the left of a 'Remember me' checkbox and a 'Forgot password?' link. Below the login fields, there are two links: 'New to Twitter? Sign up now »' and 'Already using Twitter via text message? Activate your account »'.

4. You will then be redirected to the Application Management page that lists the apps that have been made by the logged in user.



The screenshot shows the 'Application Management' page. The header includes the Twitter logo, 'Application Management', and a user profile icon. The main heading is 'Twitter Apps'. A yellow warning box contains the following text: 'As of July 2018, you must apply for a Twitter developer account and be approved before you may create new apps. Once approved, you will be able to create new apps from developer.twitter.com. For the near future, you can continue to manage existing apps here on apps.twitter.com. However, we will soon retire this site and consolidate all developer tools, API access, and app management within the developer portal at developer.twitter.com. You will be able to access and manage existing apps through that portal when we retire this site.' Below the warning box is a button labeled 'Apply for a developer account'. The page lists two apps: 'ZigBank' with the description 'For banking in online community' and 'ModelBank' with the description 'Banking and more'. Each app entry features a Twitter logo icon.

5. Select the app for which the setup needs to be configured. A new app will have to be created if this page is being accessed for the first time. After selecting an app, the menu page of that app will be displayed.



The screenshot shows the Twitter Application Management interface for an application named "ZigBank". At the top, there is a header with the Twitter logo and "Application Management" text, and a user profile icon on the right. Below the header, the app name "ZigBank" is prominently displayed, along with a "Test OAuth" button. A navigation menu includes "Details", "Settings", "Keys and Access Tokens", and "Permissions". The "Settings" tab is currently selected. Underneath, there is a Twitter logo icon and the text "For banking in online community" followed by a URL: <http://vikashs-in.in.oracle.com:7777/retail/pages/model-bank.html?module=dashboard>. The "Organization" section contains the text "Information about the organization or company associated with your application. This information is optional." and two fields: "Organization" set to "None" and "Organization website" set to "None". The "Application Settings" section includes the text "Your application's Consumer Key and Secret are used to [authenticate](#) requests to the Twitter Platform." and an "Access level" field set to "Read, write, and direct messages ([modify app permissions](#))".

6. Click on the **Settings** tab to define Callback URLs, the Client's App Website and other information.



The screenshot shows the 'Application Management' interface for an application named 'ZigBank'. The page has a blue header with the Twitter logo and 'Application Management' text. Below the header, the application name 'ZigBank' is displayed in large font, with a 'Test OAuth' button to its right. A navigation bar contains tabs for 'Details', 'Settings', 'Keys and Access Tokens', and 'Permissions'. The 'Details' tab is active, showing the following fields:

- Name \***: A text input field containing 'ZigBank'. Below it, a note reads: 'Your application name. This is used to attribute the source of a tweet and in user-facing authorization screens. 32 characters max.'
- Description \***: A text input field containing 'For banking in online community'. Below it, a note reads: 'Your application description, which will be shown in user-facing authorization screens. Between 10 and 200 characters max.'
- Website \***: A text input field containing 'http://vikashs-in.in.oracle.com:7777/retail/pages/model-bank.html?module=dash'. Below it, a note reads: 'Your application's publicly accessible home page, where users can go to download, make use of, or find out more information about your application. This fully-qualified URL is used in the source attribution for tweets created by your application and will be shown in user-facing authorization screens. (If you don't have a URL yet, just put a placeholder here but remember to change it later.)'
- Callback URLs**: A section with a note: 'Where should we return after successfully authenticating? OAuth 1.0a applications must explicitly specify their oauth\_callback URL(s) here, as well as include the one of the URLs below in the request token step. To restrict your application from using callbacks, leave this field blank.' It contains two text input fields:
  - http://localhost:7779/digx-social/callback
  - http://5e70788d.ngrok.io/digx-social/callback

Enter a name to be associated with the app in the **Name** field. Add a description of the app in the **Description** field. Enter the app's website and the callback URIs in the **Website** and **Callback URLs** fields respectively. All these parameters are mandatory for the client's app to authorize the user. The name, description and website as entered in these fields is displayed when the user is authorizing the app. Callback is required to redirect the user after signing in and authorizing the app.

Enter URL as -

https://<bankDomain>/digx-social/callback

Only one call back URL is sufficient. Multiple URLs (upto 10) can be added in case of production, UAT setup etc.


Additionally, if provided, add the links for Privacy Policy and Terms of Service by scrolling down. Also add the Application Icon that will be displayed to the user while authorizing the App. Add Client's name and the website to be displayed to the user at the time of authorization.

Additionally, the bank's icon can be uploaded against the **Application Icon** option, which will be displayed when user logs in to his/her twitter account.

**Privacy Policy URL**  
  
*The URL for your application or service's privacy policy. The URL will be shared with users authorizing this application.*

**Terms of Service URL**  
  
*The URL for your application or service's terms of service. The URL will be shared with users authorizing this application.*

Allow this application to be used to [Sign in with Twitter](#)

**Application Icon**  
 **Change icon**  
 No file selected.  
*Maximum size of 700k. JPG, GIF, PNG.*

**Organization**  
**Organization name**  
  
*The organization or company behind this application, if any.*

**Organization website**  
  
*The organization or company behind this application's web page, if any.*

7. Update the settings by scrolling further down and clicking on the **Update Settings** button.

**Organization**  
**Organization name**  
  
*The organization or company behind this application, if any.*

**Organization website**  
  
*The organization or company behind this application's web page, if any.*

8. Click on the **Keys and Access Token** tab to access the app's consumer key/secret and access key/secret. The Consumer Key and Consumer Secret with owner name and owner ID are displayed. On scrolling down, you will be able to view the Access Token and Access Token Secret. Note and save this access token and secret. Never share the app's consumer secret and access secret.

The screenshot shows the Twitter Application Management interface for an application named 'ZigBank'. The 'Settings' tab is selected, displaying the following information:

- Consumer Key (API Key):** A long alphanumeric string.
- Consumer Secret (API Secret):** A long alphanumeric string.
- Access Level:** Read, write, and direct messages (modify app permissions).
- Owner:** zigbank
- Owner ID:** 884658235013189636

At the bottom, there are two buttons under 'Application Actions': 'Regenerate Consumer Key and Secret' and 'Change App Permissions'.

- Click on the **Permissions** tab to set the permissions required by the app that is best suited for optimum functioning.

The screenshot shows the Twitter Application Management interface for 'ZigBank' with the 'Permissions' tab selected. The 'Access' section is visible, with the following options:

- Read only
- Read and Write
- Read, Write and Access direct messages

A note below the radio buttons states: "Changes to the application permission model will only reflect in access tokens obtained after the permission model change is saved. You will need to re-negotiate existing access tokens to alter the permission level associated with each of your application's users."

The 'Additional Permissions' section is also visible, with a checkbox for 'Request email addresses from users' which is currently unchecked.

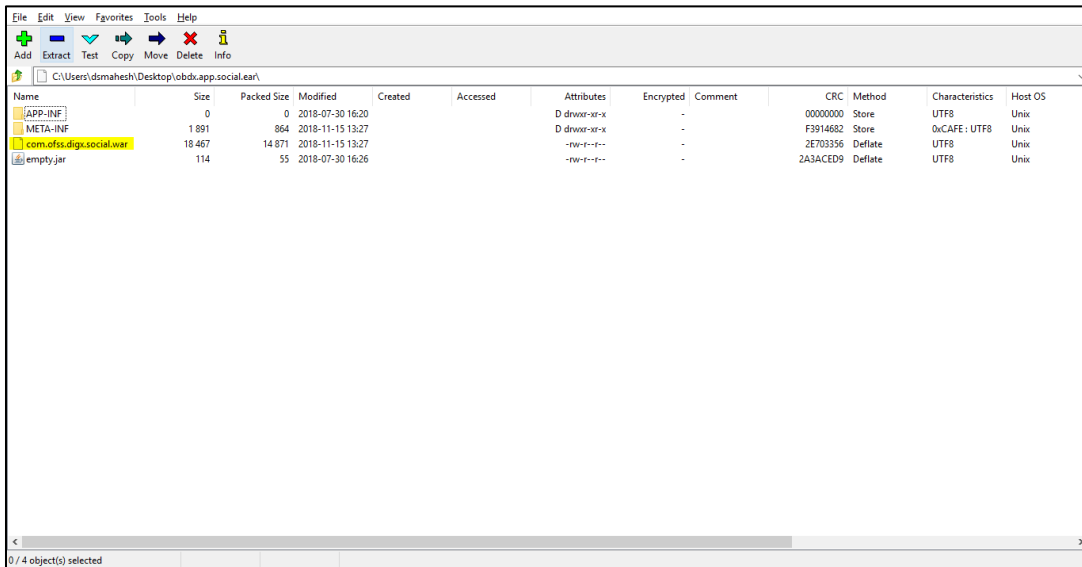
10. For a better understanding of the **Access** permission that suits the app, click on the **Application Permission Model** link. Check the **Additional Permissions** check box, if required.

Whenever the permission level is changed, the keys and tokens must be regenerated in order for the change to be visible.

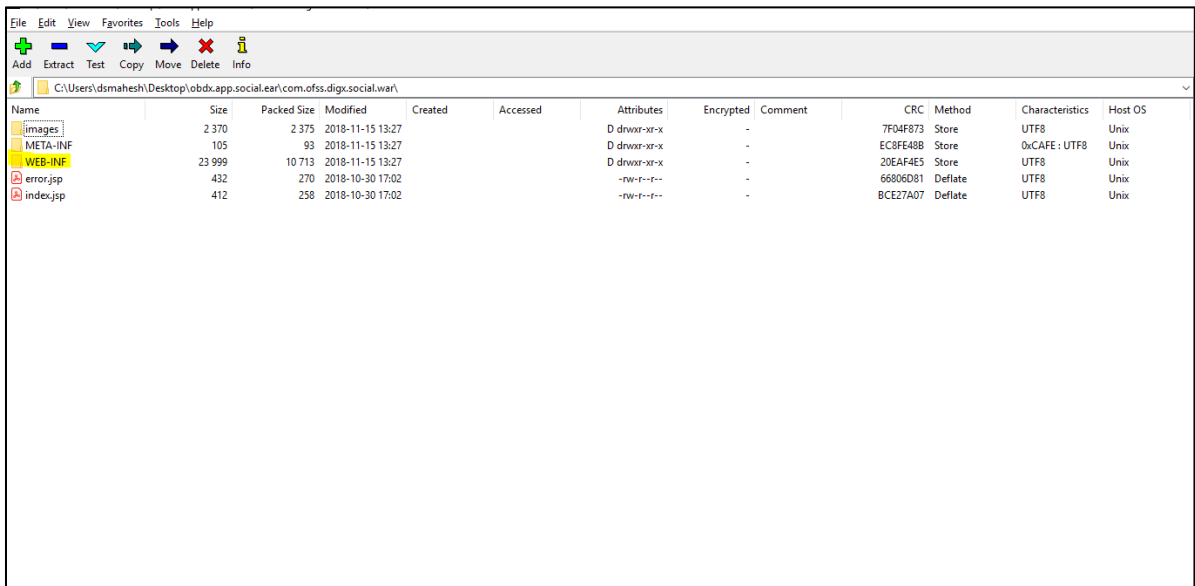
This implicitly means that the client must make its users reauthorize the app using the new keys and secret.

## 4. OBDX Configurations

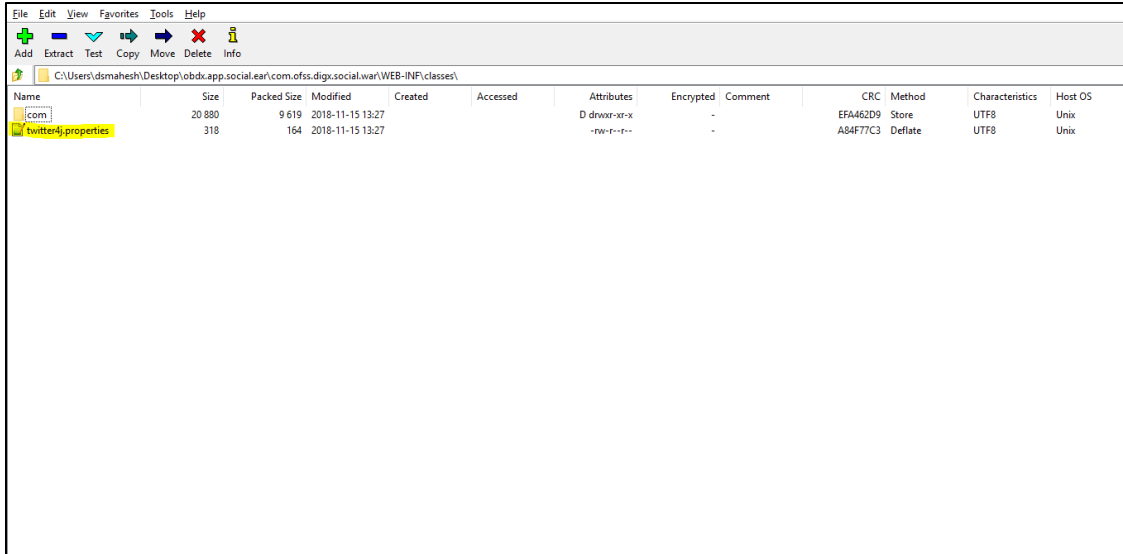
1. Open the EAR “obdx.app.social.ear” to configure the Consumer Keys and Secret.



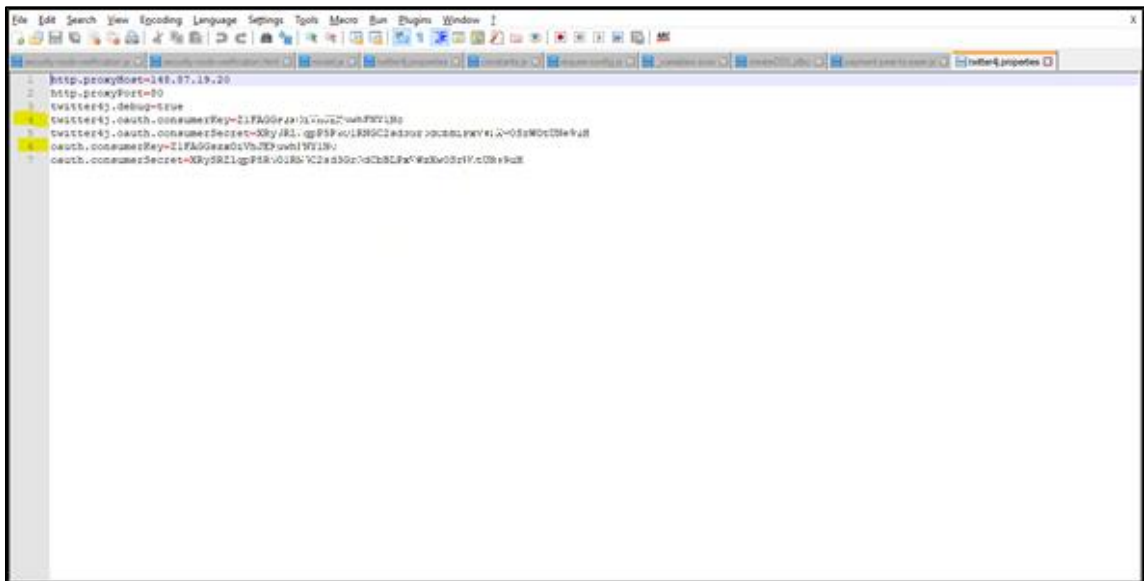
2. Open “obdx.app.social.war”



3. Open “WEB-INF” and open “classes”. You will get “twitter4j.properties”. Open the File.



- Put in the consumer key and secret generated in Section 3 at shown below. The OBDX server needs access to the twitter URL. If proxy is required, configure proxy settings as shown below:



- After configuring the “twitter4j.properties” file, save and close it. Re-deploy the EAR on to the server with the changes.