



Object

This plugin displays the content of either a folder or a file by relying on [applink](#) feature of [Oracle Content & Experience Cloud Service](#) (formerly Oracle documents Cloud Service).

cf [documentation](#)

cf [Vidéo](#)

The following sample show integration of this plugin in the packaged application *Customer Tracker*.

The screenshot shows the 'Customer Tracker' application interface. The main content area is titled 'Documents' and displays a list of files. The files are:

File Name	Size	Created By
00000161.tif	79 KB	Patrick Monaco
149.tif	35 KB	Patrick Monaco
152.tif	12 KB	Patrick Monaco
167.tif	18 KB	Patrick Monaco
Seafood allergies - Fish and shellfish.pdf	231 KB	Patrick Monaco
slide2.ppt	104 KB	Patrick Monaco

The interface also includes a sidebar with navigation options like 'Customers', 'Products', 'Partners', and 'Activities'. The top right corner shows 'Feedback', 'Help', and 'demo' options. The bottom right corner displays 'Usage Metrics - 90 days' with '19 Views' and '1 Users'.

A region named documents, based on the plugin, has been added to the other tabs.



The screenshot displays the Oracle Customer Tracker interface. The main content area shows a document gallery for the customer 'Illumina Biotech'. The gallery contains six document thumbnails, each with a title, a file icon, and a download button. The documents are: 00000161.tif (TIFF), 149.tif (TIFF), 152.tif (TIFF), 167.tif (TIFF), Seafood allergies -... (PDF), and slide2.ppt (PPT). A right-hand sidebar shows 'Usage Metrics - 90 days' with 9 Views and 1 User. The interface also includes a navigation menu on the left and a top navigation bar with 'Feedback', 'Help', and 'demo' options.

Prerequisites:

- Subscription to Oracle Content & Experience Cloud Service (CEC)
- Instance of Oracle Apex which allows to add certificate (this is not the case for apex.oracle.com)
- [Install certificate with orapki](#)
- Setup wallet credentials in Apex admin interface (once)
- Have valid credentials for a CEC member who is owner or manager of folders
- have following informations on hand:
 - Oracle identity domain the content instance is attached with
 - credentials of member who is owner or manager of file or folder
- Member GUID who will be assigned with the applink (can be different form previous one)
- Folder or File GUID



Process

The plugin starts by [creating an applink](#) . A plsql code is used for calling a REST Api through https and this is the reason why a certificate must be added previously in the db wallet. During the call, we must give:

1. the folder GUID,
2. the role assigned to the user in the apex session,
3. the User locale,
4. and the CEC member assigned to.

Once the applink has been called, the plugin get the following informations:

- iframe url
- Access Token
- Refresh token

Then, the plugin generates specific Javascript code which fills the Div container for the iframe.

Once the APEX session is terminated, the Apex user will not be able to access to the folder. This is why Applink is well suited for contextual (in the context of an application) usage of CEC.

Authentication

The plugin need a basic authentication which is done by the server at plsql level (Apex).

OAuth is not use because the flow implemented by CEC involve a manual login from



user (through OAM).

in other words, [Oauth, in this version, doesn't implement Client Credential Oauth flow](#).

In the plugin, the credential will be passed as a base64 encoded value.

enter a sql statement which returns one column that contains a base64 encoded credential

ie: select 'sjdfhkjsdhfkjshdfks-' key from dual

The plugin doesn't encode in base64, therefore encoding must be done (cf below)

As a reminder, the string to be encoded is in the format of: <user>:<password> (don't forget the « : »)

sample of query statement:

```
select replace(utl_raw.cast_to_varchar2
  (utl_encode.base64_encode(
    utl_raw.cast_to_raw('USERNAME:PWD')
  )
  ),chr(13)||chr(10),'')
from dual
```

Limitations:

- works only for folders. File is not implemented yet
- Doesn't work with apex.oracle.com

Ce plugin permet de visualiser le contenu d'un folder dans une application Apex.

Le principe de fonctionnement s'appuie sur le mécanisme *aplink*, et il est très bien adapté à un contexte applicatif.

Téléchargement: cf [apex.world](#)

