**Summary:**

With Delivery of current sprint, MapFre B2C portal has Login feature with authentication capabilities that allows end user to enter valid credentials in order to successfully login into application. Login feature prevents login of end user with invalid credentials. Login screen provides access to ‘Create my Account’ and ‘Forgot password’ workflows.

**Component/Communication Diagram:**

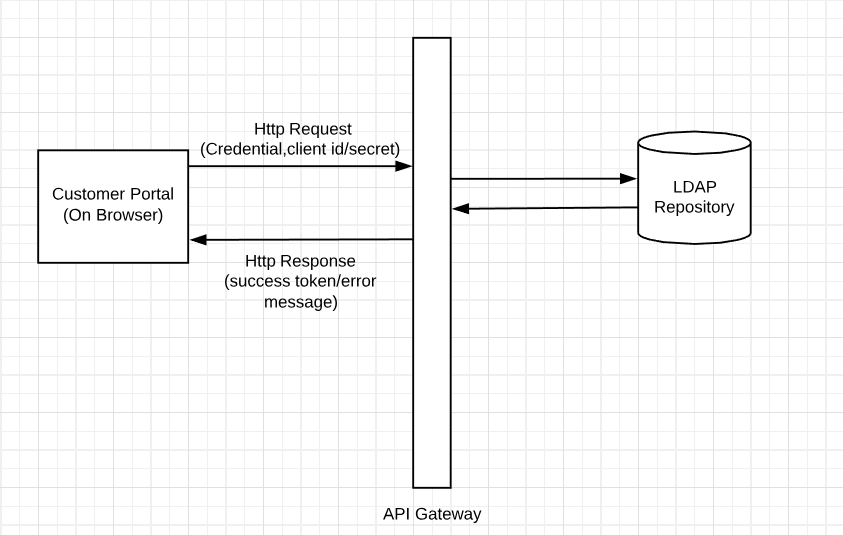


Fig 1: Component Diagram

**Communication Architecture:**

For user authentication, customer portal initiates a http request over a secured connection, to API Gateway deployed within MapFre network (currently deployed on dev.mapfreapis.com:8443) at ‘/auth/oauth/v2/token’ end point and following parameters are passed with the request

grant\_type: 'password',

username: #usernameOfEnduser,

password: #usernameOfEnduser,

client\_id:'9e8881c6-9fd2-4113-8602-6affc18a6fdd',

client\_secret: '01c5ebc0-8242-4025-b93d-0ad5e168b845',

scope: 'oob'

API Gateway communicates with Active Directory to authenticate the user credentials and responds with a valid or error response based in authentication results

Below are samples of success and failure responses

Authentication Success:

{

"access\_token": "8888c132-20e7-409c-a289-ba587824ca87",

"token\_type": "Bearer",

"expires\_in": 3600,

"refresh\_token": "1261086a-6783-42c2-97b0-bc1099473ca0",

"scope": "oob"

}

Authentication failure:

{

"error": "login\_required",

"error\_description": "The resource owner could not be authenticated due to missing or invalid credentials"

}

If Customer Portal receives the success response, end user is given access to the application and is directed to dashboard. If customer portal receives failure response, end user is shown an error message saying, "Invalid username/password combination" and is not allowed to login to application until valid credentials are provided.