**Implementación de OAuth2 con Java**

**Documentación Origen**

[https://www.ibm.com/developerworks/library/se-oauthjavapt3/index.html](https://www.ibm.com/developerworks/library/se-oauthjavapt3/index.html" \t "_blank)

Se adjunta proyecto modificado reemplazando la solicitud post del original.

Librerias que usa:

commons-codec-1.6.jar

commons-logging-1.1.1.jar

gson-2.8.0.jar

httpclient-4.2.5.jar

httpclient-cache-4.2.5.jar

httpcore-4.2.4.jar

httpmime-4.2.5.jar

json-simple-1.1.1.jar

**Ambiente de Pruebas**

Eclipse Luna – Jdk 1.8 – Tomcat 8.0

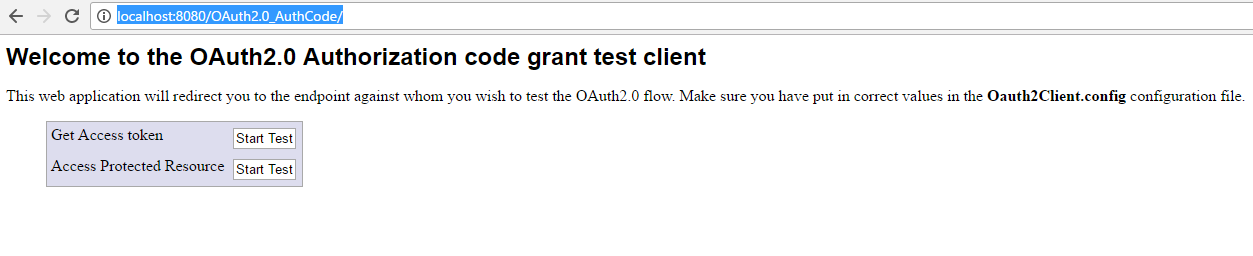
Importante: Setear los parámetros de configuración en el archivo

Oauth2Client.config ubicado en:

C:\workspace\_OAuth\OAuth2.0\_AuthCode\src\com\ibm\oauth

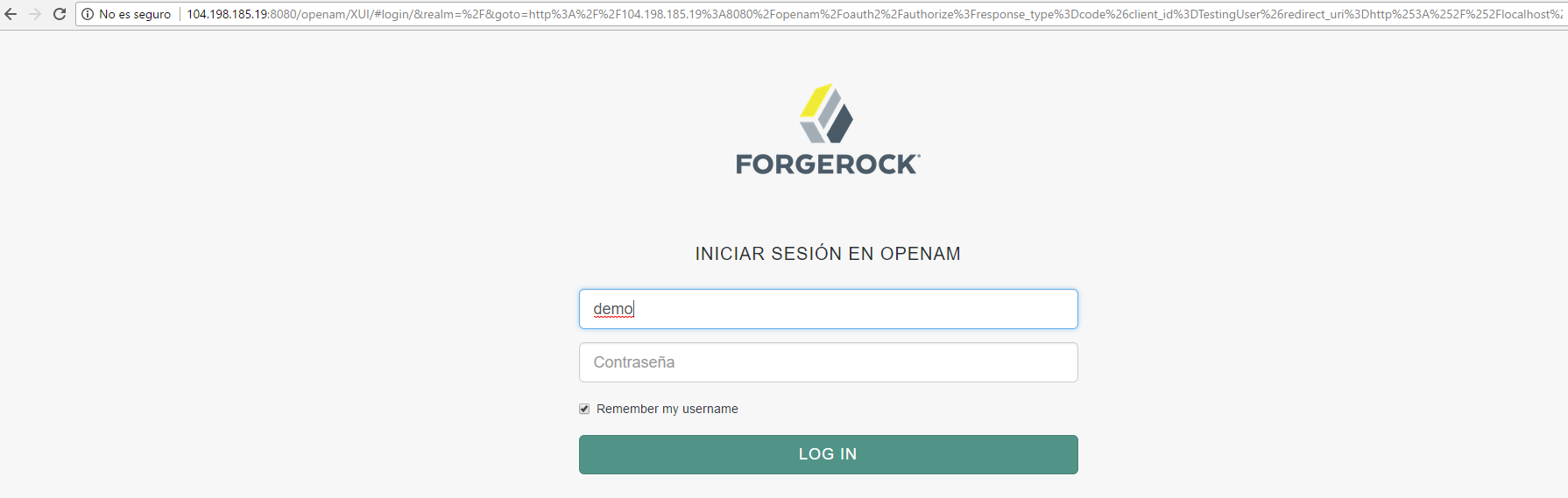
|  |
| --- |
| #--------OAuth2.0 Client Configuration---------  scope=read  state=12345678  grant\_type=authorization\_code  username=demo  password=changeit  client\_id=TestingUser  client\_secret=pass12345  access\_token=  refresh\_token=  approval\_prompt\_key=prompt  approval\_prompt\_value=login consent  access\_type\_key=access\_type  access\_type\_value=offline  redirect\_uri=http://localhost:8080/OAuth2.0\_AuthCode/handler  authentication\_server\_url=http://104.198.185.19:8080/openam/oauth2/authorize  token\_endpoint\_url=http://104.198.185.19:8080/openam/oauth2/access\_token  resource\_server\_url=http://104.198.185.19:8080/openam/oauth2/tokeninfo  #------------------------------------------------ |
| La primera vez access token sin valor |

<http://localhost:8080/OAuth2.0_AuthCode/>

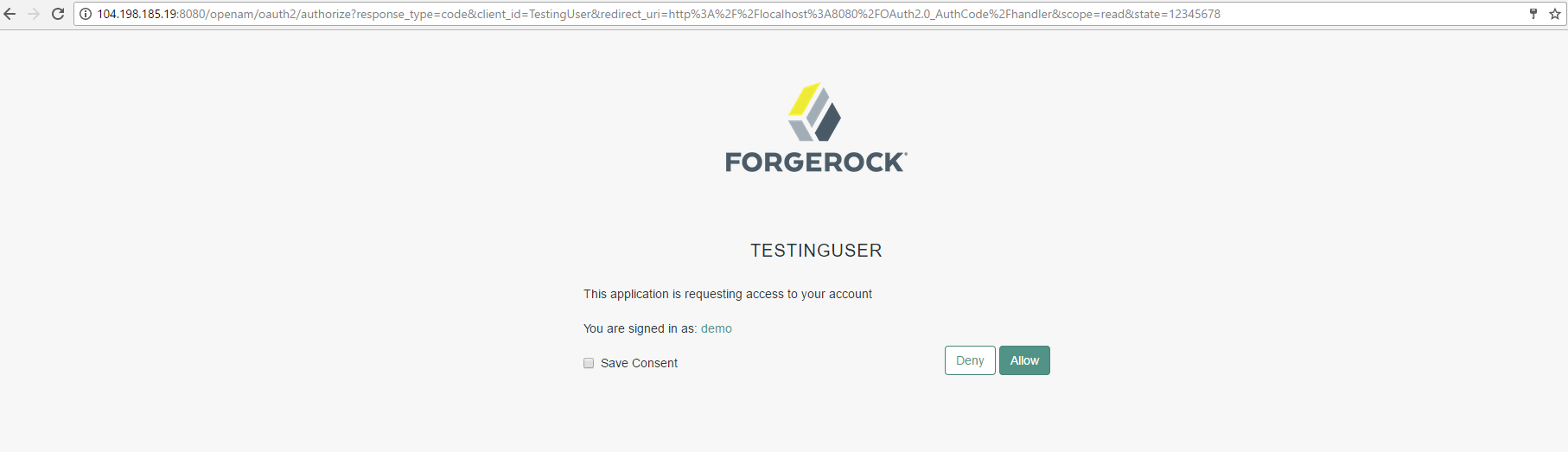


Opción Get Access Token Start Test

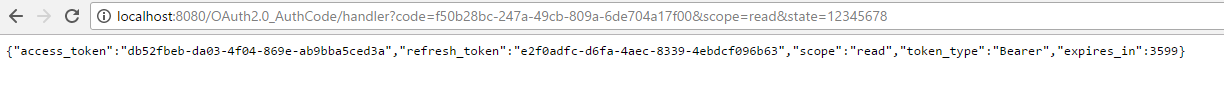




Psw: changeit

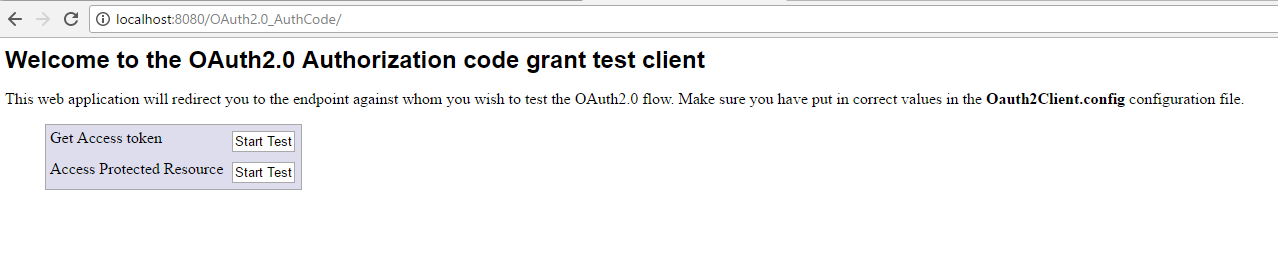


Presionar Allow



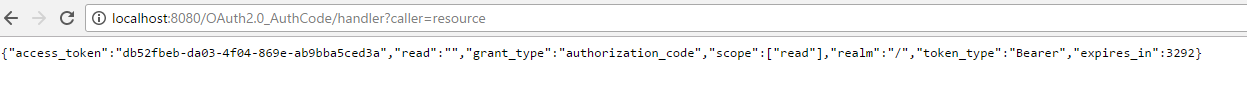
El access token se coloca en el archivo de configuración:

|  |
| --- |
| #--------OAuth2.0 Client Configuration---------  scope=read  state=12345678  grant\_type=authorization\_code  username=demo  password=changeit  client\_id=TestingUser  client\_secret=pass12345  access\_token=db52fbeb-da03-4f04-869e-ab9bba5ced3a  refresh\_token=  approval\_prompt\_key=prompt  approval\_prompt\_value=login consent  access\_type\_key=access\_type  access\_type\_value=offline  redirect\_uri=http://localhost:8080/OAuth2.0\_AuthCode/handler  authentication\_server\_url=http://104.198.185.19:8080/openam/oauth2/authorize  token\_endpoint\_url=http://104.198.185.19:8080/openam/oauth2/access\_token  resource\_server\_url=http://104.198.185.19:8080/openam/oauth2/tokeninfo  #------------------------------------------------ |



Opción Get Access Protected Resource:





|  |
| --- |
| {"access\_token":"db52fbeb-da03-4f04-869e-ab9bba5ced3a","read":"","grant\_type":"authorization\_code","scope":["read"],"realm":"/","token\_type":"Bearer","expires\_in":3292} |