_1. **Paso 1**: Ingresar a Google Playground
(https://developers.google.com/oauthplayground/)

Google Developers

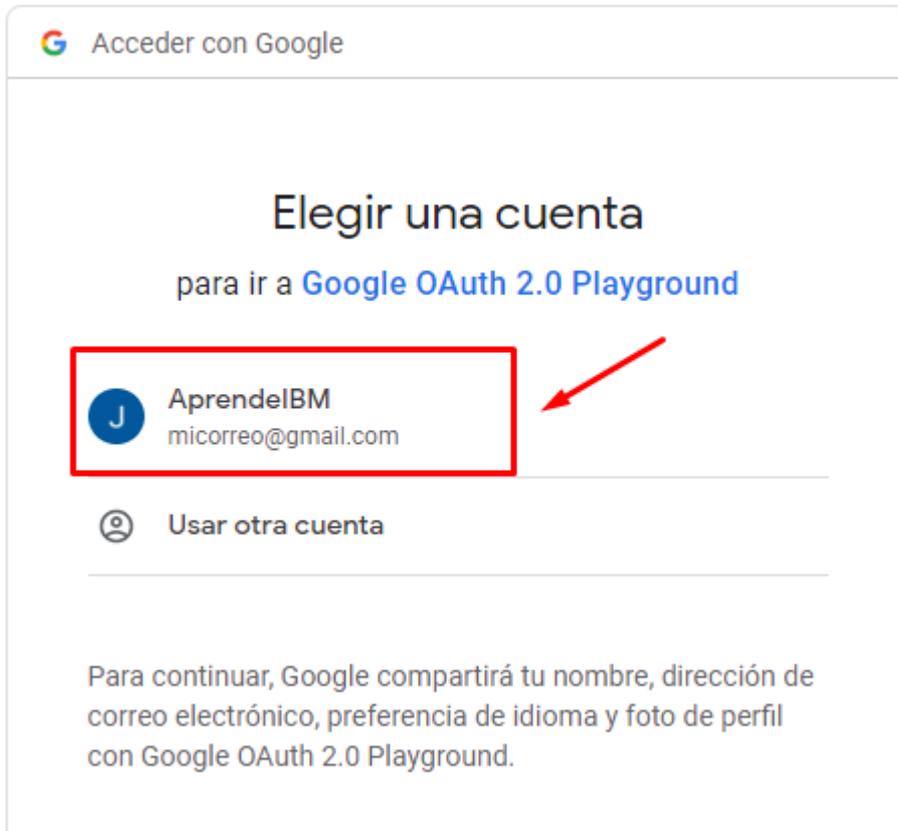## OAuth 2.0 Playground   ✕

▾ **Step 1** Select & authorize APIs

Select the scope for the APIs you would like to access or input your own OAuth scopes below. Then **click the "Authorize APIs" button**.

▸ G Google Chat API v1

▸ G Google Classroom API v1

▸ G Google Cloud Data Catalog API v1

▸ G Google Cloud Memorystore for Redis API v1

▸ G Google Docs API v1

▾ G Google OAuth2 API v2

    ✓ *https://www.googleapis.com/auth/userinfo.email*

    ✓ *https://www.googleapis.com/auth/userinfo.profile*

    ✓ *openid*

▸ G Google Play Android Developer API v3

▸ G Google Play Custom App Publishing API v1

▸ G Google Play EMM API v1

▸ G Google Play Game Management v1management

▸ G Google Play Game Services Publishing API v1configuration

▸ G Google Play Game Services v1

Input your own scopes   **Authorize APIs**

_2. Indicar con que cuenta se realiza el login y brindar permisos

_3. Intercambiar el «**authorization code**» temporal por «**access_token**»

_4. Se obtiene «**access_token**» con un tiempo de vida y este se puede utilizar para consumir cualquier **recurso/servicio** de **Google**

Step 2 Exchange authorization code for tokens

Once you got the Authorization Code from Step 1 click the **Exchange authorization code for tokens** button, you will get a refresh and an access token which is required to access OAuth protected resources.

Authorization code: `4/0AWgavdfBm6betr0kNZZyCwuC1iNyXohZ_6N_rbTVI`

Exchange authorization code for tokens

Refresh token: `1//04NruEFwCsnh7CgYIARAAGAQSNwF-L9IrPSOCPHulxk`

Access token: `ya29.a0AX9GBdWmEIl9GaOBIyy6x` **Refresh access token**

☐ Auto-refresh the token before it expires.

The access token will expire in **3570** seconds.

Note: The OAuth Playground will automatically revoke refresh tokens after 24h. You can avoid this by specifying your own application OAuth credentials using the Configuration panel.

```
POST /token HTTP/1.1
Host: oauth2.googleapis.com
Content-length: 261
content-type: application/x-www-form-urlencoded
user-agent: google-oauth-playground

code=4%2F0AWgavdfBm6betr0kNZZyCwuC1iNyXohZ_6N_rbTVEHJw0MeJztpgD3DjfbaIiSOe4-
BNPQ&redirect_uri=https%3A%2F%2Fdevelopers.google.com%2Foauthplayground&client_id=407408718192.apps.googleusercontent.com&clie
orization_code

HTTP/1.1 200 OK
Content-length: 1629
X-xss-protection: 0
X-content-type-options: nosniff
Transfer-encoding: chunked
Expires: Mon, 01 Jan 1990 00:00:00 GMT
Vary: Origin, X-Origin, Referer
Server: scaffolding on HTTPServer2
-content-encoding: gzip
Pragma: no-cache
Cache-control: no-cache, no-store, max-age=0, must-revalidate
Date: Fri, 13 Jan 2023 16:36:54 GMT
X-frame-options: SAMEORIGIN
Alt-svc: h3=":443"; ma=2592000,h3-29=":443"; ma=2592000,h3-Q050=":443"; ma=2592000,h3-Q046=":443"; ma=2592000,h3-Q043=":443";
Content-type: application/json; charset=utf-8

{
  "access_token": "ya29.a0AX9GBdWmEIl9GaOBIyy6x1bQS3yZa3liggT5khKfI2mCuxDZkEmuHIescmeygcgkioulG5x7gfddUAl-6DKOu4jeTA3WVNEAVxaQ
7P5UeXPUPTwi8yLWE3r5cpwaCgYKACs3ARE3PQMUCsDCYL9oqKZchvMPio8vpv9iug0105",
  "id_token":
"eyJhbGci0iJSUzI1NiIsImtpZCI6ImEyOWFiYzE5YmUyN2ZiNDE1MWFhNDMxZTk0ZmEzNjgwYWU0NThkYTUiLCJ0eXAi0iJKV1QifQ.eyJpc3Mi0iJodHRwczovL2
3MTgxOTIuYXBwcy5nb29nbGV1c2VyY29udGVudC5jb20iLCJhdWQi0iI0MDc0MDg3MTgx0TIuYXBwcy5nb29nbGV1c2VyY29udGVudC5jb20iLCJzdWIi0iIxMDQ30l
VtYWlsIjoianBhcmlaYWNsLmNsIiwiZW1haWxfdmVyaWZpZWQi0nRydWUsImF0X2hhc2gi0iJKR3h2bkYxZkpFYVMtcjdOTUdMWhnIiwibmFtZSI6Ikp1bGlvIFBh
mdvb2dsZXVzZXJjb250ZW50LmNvbS9hL0FFZEZUcDV3N1R0OXk3cEi1MExwQkIweVd6X3FDbUpkQUJQYWRZMUVrazgzPXM5Ni1jIiwiZ2l2ZW5fbmFtZSI6IkpibGl
Y2FsZSI6ImVzIiwiaWF0IjoxNjczNjI3ODE0LCJleHAi0jE2NzM2MzE0MTR9.NW90ZGUiPwVmcb8L_ok1qo0VwDsXN_fRBtwSK3atkag-OYrDaNj65XOWekkGJtHSB
9CHI_KVVHd5YYXoC3FInuhYgGxmndXHk5qqydU7eY6eVOwjDTmBgTMo0qqwIIcx6YJxsRPs5MQbQ_W7r4l4QXHWsRPFNS8-6NxzG_eqBtg2RzAt7hT0Q0mNlkLZwBZ
dMra9h7YmGVfWCjZmMKBLoFYFKd1DawG3FtsaLe06t9abDr8hvlbfw10ufaiNiWYFx-5OBsQ2E0c-JMCTP7IaG3zbudXR5yDtZw",
  "expires_in": 3599,
  "token_type": "Bearer",
  "scope": "openid https://www.googleapis.com/auth/userinfo.profile https://www.googleapis.com/auth/userinfo.email",
  "refresh_token": "1//04NruEFwCsnh7CgYIARAAGAQSNwF-L9IrPSOCPHulxK1gDI__fPzPEsW0D55ntj6omPa9ImSI4xWj0Udje4DMagi-LWnocR5C1kU"
}
```

ArquitecturaIBM Consulting