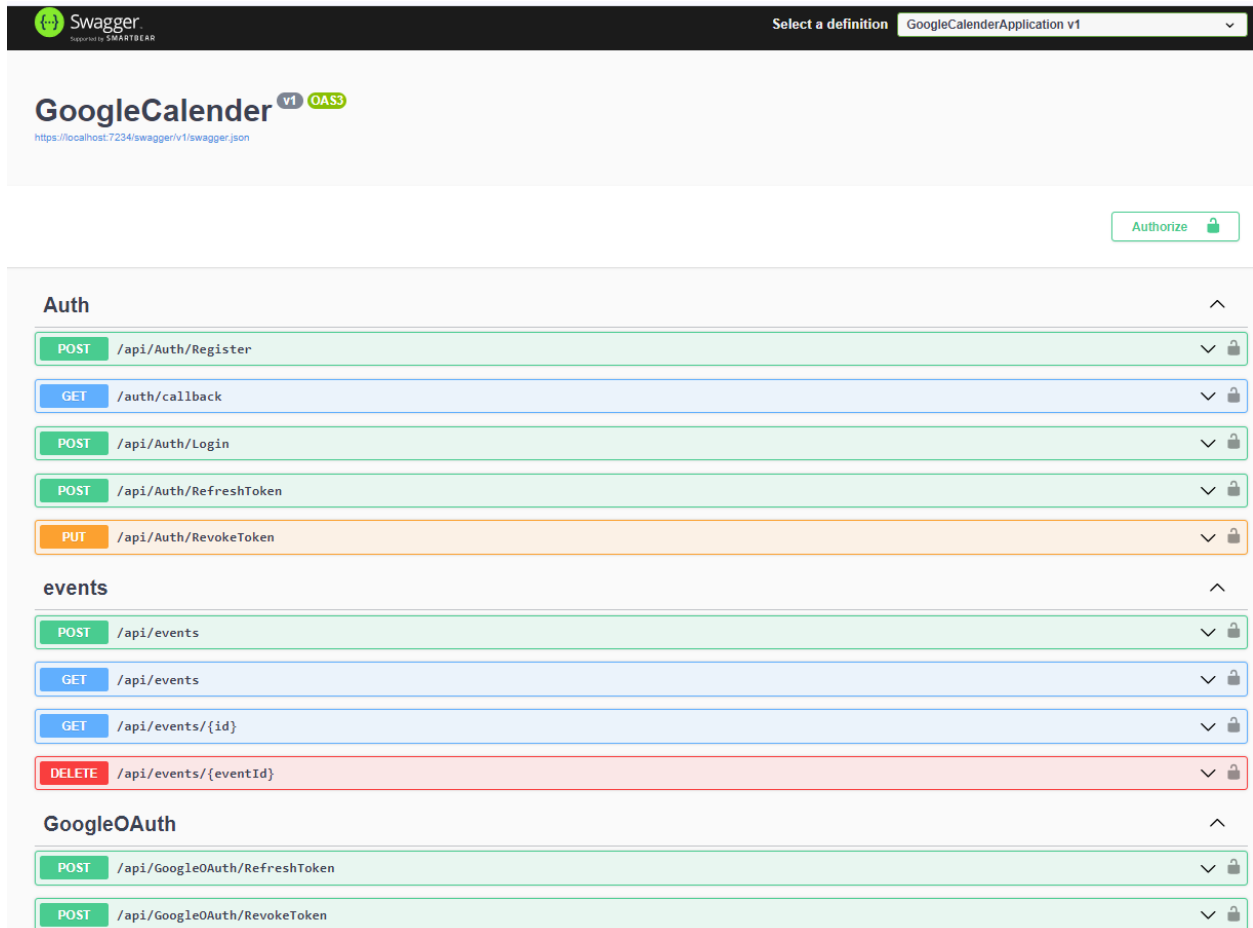


API Endpoint Documentation:

Overview: This .NET Core API project provides integration with the Google Calendar API for retrieving events. It requires OAuth 2.0 authentication to access the calendar data.



The image shows a Swagger UI interface for an API named "GoogleCalendar" (version v1, OAS3). The URL is https://localhost:7234/swagger/v1/swagger.json. There is an "Authorize" button with a lock icon. The API is organized into three main sections: "Auth", "events", and "GoogleOAuth".

- Auth**
 - POST /api/Auth/Register (locked)
 - GET /auth/callback (locked)
 - POST /api/Auth/Login (locked)
 - POST /api/Auth/RefreshToken (locked)
 - PUT /api/Auth/RevokeToken (locked)
- events**
 - POST /api/events (locked)
 - GET /api/events (locked)
 - GET /api/events/{id} (locked)
 - DELETE /api/events/{eventId} (locked)
- GoogleOAuth**
 - POST /api/GoogleOAuth/RefreshToken (locked)
 - POST /api/GoogleOAuth/RevokeToken (locked)

Endpoints:

Auth: it has the endpoints that respond to access to the App and also have the endpoints that The Users must obtain OAuth 2.0 credentials from the Google Developer Console.

- A. /api/Auth/Register: This endpoint facilitates user registration for the app.
Response Format: The response will be in JSON format, including data and a URL that redirects to the OAuth 2.0 credentials.
- B. /api/callback: This endpoint is triggered once you grant the app permission to access your Google Calendar.
- C. /api/Auth/login: This endpoint is used for user authentication.
- D. /api/Auth/RefreshToken: Use this endpoint to refresh the access token for the app and OAuth 2.0.
- E. /api/Auth/RevokeToken: This endpoint is for revoking the access token for the app and OAuth 2.0.

events: This section contains endpoints for managing Google Calendar events.

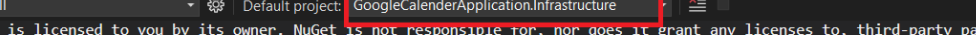
- A. /api/events (Post): Create a new event in the calendar using this endpoint.
- B. /api/events (Get): Retrieve a list of all events in the Google Calendar.
- C. /api/events/{id} (Get): Get a specific event by its ID.
- D. /api/events/{eventId} (Delete): Delete a specific event by its ID.

GoogleOAuth: This section includes endpoints for refreshing and revoking the tokens obtained from Google.

- A. `/api/GoogleOAuth/RefreshToken`: Obtain a new refresh token from Google, enabling access to the calendar to add, delete, or view events.
- B. `/api/GoogleOAuth/RevokeToken` : Revoke the permissions granted by the user to the app, restricting access to the calendar.

Setting up and Running the Application:

- Change the connection string in the appsettings.json
- Run a migration (note: you should choose the infrastructure layer which contain the DbContext)



The screenshot shows the Visual Studio Package Manager Console. At the top, the 'Default project:' dropdown is set to 'GoogleCalendarApplication.Infrastructure', which is highlighted with a red rectangle. Below this, a message states: 'Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant any licenses to, third-party packages. Some packages may include dependencies which are governed by additional licenses. Follow the package source (feed) URL to determine any dependencies.' The console also displays 'Package Manager Console Host Version 6.7.0.127' and the prompt 'Type \'get-help NuGet\' to see all available NuGet commands.' At the bottom, the command 'PM> add-migration init' has been entered.

- C. Now you can call the register api that gives you the url for the Google OAuth

[illegible]

- D. Continue with the google OAuth and Give the permissions
- E. Now you can use events apis for create, list, and delete events