

## Calendar Syncing Research

### Google calendar API

- <https://developers.google.com/calendar/api/guides/overview>
- How to get started with JavaScript integration:
  - <https://developers.google.com/calendar/api/quickstart/js>
- Heres another good description of how to get it set up:
  - <https://js.devexpress.com/React/Demos/WidgetsGallery/Demo/Scheduler/GoogleCalendarIntegration/MaterialBlueLight/>
- Have to create a google cloud project
  - Google Cloud Platform (GCP) Console: web-based interface provided by Google for managing and interacting with various cloud computing and infrastructure services offered by Google Cloud
- Can Display Calendar Data in Your React App:
  - retrieve calendar data from the API, can display it in your React app
  - use state management (e.g., React's useState) to store and update calendar events
- Basic steps for JavaScriptintegration
  1. Enable the API
    - need to turn Google APIs on in a Google Cloud project
    - can turn on one or more APIs in a single Google Cloud project
  2. Configure the OAuth consent screen
    - configure the OAuth consent screen and add yourself as a test user
  3. Authorize credentials for a desktop application
    - To authenticate as an end user and access user data in your app, need to create one or more OAuth 2.0 Client IDs.
    - A client ID is used to identify a single app to Google's OAuth servers.
    - If your app runs on multiple platforms, you must create a separate client ID for each platform
  4. Install the Google client library for Python
  5. Configure the sample
    - Good example of this on link above
  6. Can now do things like create events, sync events, etc.

