



# Gatsby Functions Google Sheets Example

## Quick start

### 1. Get Google Authentication Token.

This sample uses the Google Service account to authenticate into Google Spreadsheet API. To receive the proper token information, you'll need to set up an account in the [Google API Console](#).

- Set up your project in the Google API console. You can follow the instructions highlighted in Google Account Authentication tutorial [here](#)
- Generate a service account and download the access token. You can follow the steps highlighted in [Account Authentication - Service Account](#)
- Create an `.env.development` file. Copy into it from the downloaded JSON key file:

```
GOOGLE_SERVICE_ACCOUNT_EMAIL=copy service account email
GOOGLE_PRIVATE_KEY=copy private key
```

### 2. Create a Test Spreadsheet.

- Generate a new spreadsheet via [Google Sheets](#)
- Grant owner access to the spreadsheet to your service account email address.
- You will need the Sheet ID to properly run the example. Sheet ID can be found in the URL of a Google spreadsheet. For example, you can find it via `https://docs.google.com/spreadsheets/d/<GOOGLE_SHEET_ID>/`. Add this to your `.env.development` file as well.

### 3. Start developing.

To get started, run `npm install` to add all necessary packages.

When developing locally, you'll want to include the ENV variables in your `.env.development`. Read more about how Gatsby handles `.env` files and environment variables in the [Gatsby Docs](#)

```
cd examples/functions-google-sheets
npm install
npm run develop
```

### 4. Open the code and start customizing!

Your site is now running at <http://localhost:8000>! You can use the UI on the index page to test the functions or directly access them at <http://localhost:8000/api/sheets>

Edit `src/pages/index.js` to see your site update in real-time!

### 5. Deploy

You can deploy this example on Gatsby Cloud by copying the example into a new repo and [connecting that to Gatsby Cloud](#).