

# Clojure Connect to Google APIs

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[GitHub - SparkFund/google-apps-clj: A Clojure library that wraps the Google Java API for different Google Applications.](#)  
[Google API Console](#)  
<https://tech.metail.com/reading-google-sheets-from-clojure/>

1. Follow the instruction from sparkFund
2. Create credential from [Google API Console](#)
  - a. Choose desktop app
  - b. Download the json, to copy the client-id, client-secret, and redirect-uris
  - c. Paste all that into gcreds-no-token
3. Run (gauth/get-auth-map)
  - a. Input the auth-code given from browser after accept the google sign-in, the code will be like 4/1AY0e-g4ZJPsomecodenBK3VGI7igb0Up6QeGQ3JFwqpY
  - b. Paste it in the emacs in Stdin: 4/1AY0e-g4ZJPeYwatUetLLy1rtmj without ""

```
Stdin: 4/1AY0e-g4ZJPeYwatUetLLy1rtmj
```

- c. It'll return an access & refresh-token

```
;; => {"access_token"
      "ya29.A0AfH6SMC2sTfsOHTvxXKZecVoDjjaAfL-gBqvUK8hgK1XK-
      fifSomeAccessTokenPWLBSr5jXB0ZY63UZHHShq1RatgCsBdO6s3hhvHktE0gKjupeJfgB",
      "expires_in" 3599,
      "refresh_token"
      "1//0gdMGDg5RefreshAGBASNwF-L9IrTokenw6-9PT-
      Fzg9qHSGPntuxarehereZ5ENXrQSkVgIkCSeHEHaMxZ_0-JWcbpk",
      "scope" "https://www.googleapis.com/auth/drive
      https://www.googleapis.com/auth/spreadsheets",
      "token_type" "Bearer"}
```

4. Copy the access token & refresh token into gcreds-w-token
5. Use (def services (google-apps-clj.google-sheets-v4/build-service gcreds-w-token)) to connect to google sheets
6. Then you can use "services" into all gsheets functions library

```
1 (ns newgsheet3.core
2   (:require [clj-time.core :as time]
3             [google-apps-clj.credentials :as gauth]
4             [google-apps-clj.google-drive :as gdrive]
5             [google-apps-clj.google-drive.mime-types :as mime-types]
6             [google-apps-clj.google-sheets-v4 :refer :all :as gsheets]))
7 (:import [com.google.api.services.sheets.v4.model CellData RowData]))
8
9
10 (def gcreds-no-token
11   {:client-id " "
12    :client-secret " "
13    :redirect-uris ["urn:ietf:wg:oauth:2.0:oob" "http://localhost"]})
14
15 (def gcreds-w-token
16   {:client-id " "
17    :client-secret " "
18    :redirect-uris ["urn:ietf:wg:oauth:2.0:oob" "http://localhost"]
19    :auth-map {:access-token " "
20              :expires-in 3599
21              :refresh-token "1"
22              :token-type "Bearer"}})
```

```
25
26 gcreds-no-token
27 gcreds-w-token
28
29 (gauth/get-auth-map
30  gcreds-no-token
31  ["https://www.googleapis.com/auth/drive"
32   "https://www.googleapis.com/auth/spreadsheets"])
33
34 (def services (gsheets/build-service gcreds-w-token))
35
36 services
37
38 (gsheets/get-spreadsheet-info services " ")
39
40 (gsheets/get-cell-values
41  services
42  " ")
43  ["Sheet1!B9:B11"])
44
```