

PRETIUS

Google Suite friendly application

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HrOUG 2020, Rovinj, Croatia

ABOUT ME



WHO I AM

Oracle APEX & PL/SQL Developer in Pretius.

Experienced in projects for pharmacy and transport industries.

ETL implementation, data reporting, integrations.

Low-code and BPM enthusiast, involved in projects combining these two worlds.

ABOUT PRETIUS



pretius

WHO ARE WE

Team of over 110 IT experts, including over **25 APEX developers**.

WHAT DO WE OFFER

Outsourcing remote teams and software development process.

WHERE ARE WE

We are acting **globally** from our office in Warsaw, Poland.

APEX EXPERTS

Check our **APEX plug-ins** and **translate-apex.com** project.

WHAT FOR?



Single Sign-On



Drive



Calendar



Text search in
files

USE CASE
MAIN PROBLEM

How to combine Google and Oracle worlds?

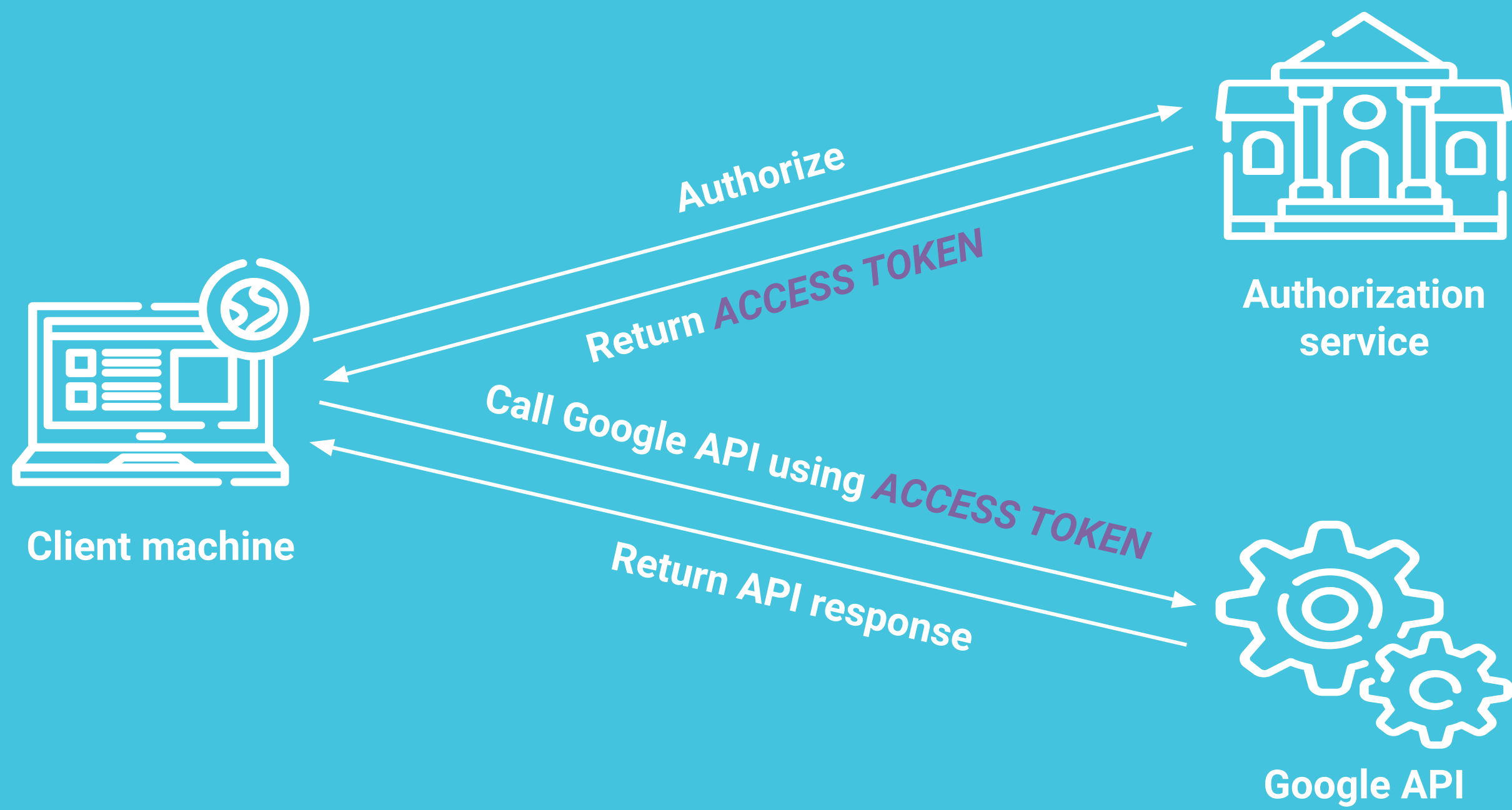
AND

How to get content of spreadsheet stored in cloud?*

**In general: How to get something stored in cloud?*

USE CASE

INTEGRATION - HOW IT WORKS IN GOOGLE? [OAUTH2]



USE CASE AVAILABLE METHODS OF INTEGRATION WITH GOOGLE

SOCIAL LOGIN

Built-in feature of APEX - use your Google account for Authentication Scheme of your app. Then use an access token stored in APEX metadata. In this method user action is required.

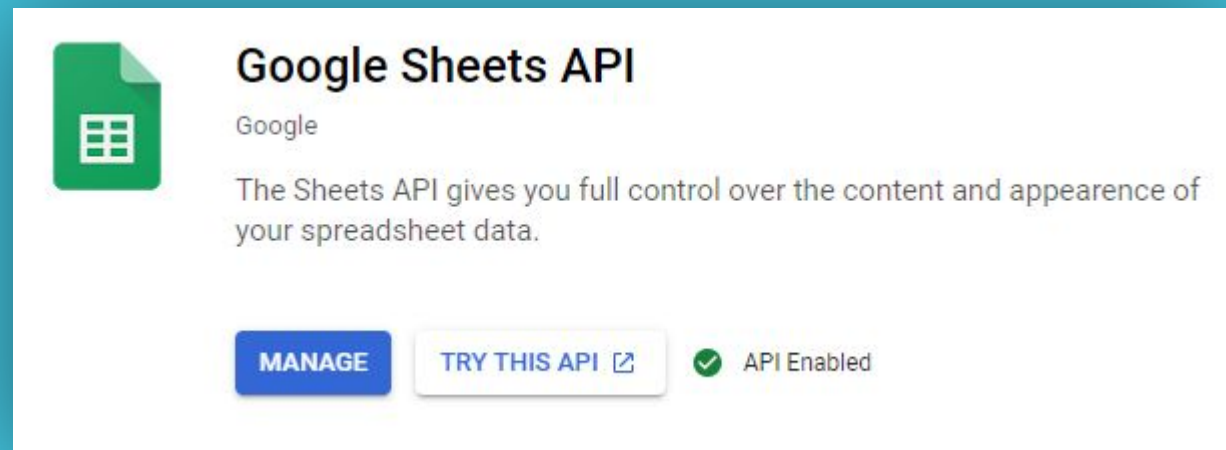
GOOGLE API CLIENT LIBRARY FOR JS


Add this library and extend pre-defined JavaScript code to perform integration on the client side. In this method user action is required.

GOOGLE SERVICE ACCOUNT & PL/SQL

Implement JWT creation, encryption and request an access token and call API directly from database. In this method we do not need user action to perform integration.

USE CASE GOOGLE API PROJECT CONFIGURATION



 **Google Sheets API**
Google

The Sheets API gives you full control over the content and appearance of your spreadsheet data.

[MANAGE](#) [TRY THIS API](#) ✓ API Enabled

[+ CREATE CREDENTIALS](#) [DELETED](#)

API key
Identifies your project using a simple API key to check quota and access

OAuth client ID
Requests user consent so your app can access the user's data

Service account
Enables server-to-server, app-level authentication using robot accounts

Help me choose
Asks a few questions to help you decide which type of credential to use

Name *
Web client localhost

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

i The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

Authorized JavaScript origins ?
For use with requests from a browser

URIs
http://localhost:8080

[+ ADD URI](#)

Authorized redirect URIs ?
For use with requests from a web server

[+ ADD URI](#)

[SAVE](#) [CANCEL](#)

USE CASE

USED PL/SQL AND JS

FEATURES

Promise()

Available for apex.server.process and ajax() calls.

Promise.then(), Promise.all()

To control the sequence of asynchronous calls.

apex.server.process(), AJAX Callback

To exchange data with JavaScript and database.

apex.server.chunk()

To split large content before sending it to the database.

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