



# Embarcadero Conference

# Fazendo login usando redes sociais

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Embarcadero

Conference



# O que vamos ver

- Uso das redes sociais como identidade
- API / REST / JSON
- Cadastrando uma aplicação no Google
- Cadastrando uma aplicação no FaceBook
- Entendendo a autenticação OAuth2
- Usando Rest Debugger
- { Let's Coding ... }

# Uso das redes sociais como identidade

Hoje em dia, quem não tem pelo menos uma rede social está fora da convivência digital



# API / REST / JSON

**API (Application Programming Interface):** é um conjunto de rotinas e padrões de programação para acesso a um aplicativo de software ou plataforma baseado na Web.

**REST: (Representational State Transfer):** É um estilo de arquitetura que disponibiliza padrões entre sistemas na web tornando mais fácil a comunicação entre eles.

**JSON (JavaScript Object Notation):** É uma formatação leve de troca de dados. Para seres humanos, é fácil de ler e escrever. Para máquinas, é fácil de interpretar e gerar.



# Cadastrando uma aplicação no Google

The screenshot shows the Google Cloud Platform API Library interface. The browser address bar displays the URL: `https://console.cloud.google.com/apis/library?organizationId=08&project=logmedia-218212&supportedpurview=project`. The page header includes the Google Cloud Platform logo and the project name "LogMedia".

The main heading is "Biblioteca de APIs" (API Library). Below it, a welcome message reads: "Bem-vindo à nova Biblioteca de APIs" (Welcome to the new API Library). A search bar is present with the placeholder text "Pesquisar APIs e serviços" (Search APIs and services).

The left sidebar contains filters for "Filtrar por" (Filter by), including "VISIBILITY" (Public (210), Private (2)) and "CATEGORY" (Advertising (14), Analytics (1), Big data (8), Blog & CMS (1), Compute (7), CRM (1), Databases (3), Developer stacks (1), Developer tools (12), Email (1), Firebase (2), Google Cloud APIs (24), G Suite (18), Machine learning (7), Maps (17)).

The main content area displays a grid of API cards, categorized into "Maps", "Machine learning", and "G Suite".

- Maps Category:** Includes "Maps SDK for Android", "Maps SDK for iOS", "Maps JavaScript API", "Places SDK for Android", "Places SDK for iOS", and "Places API". A link "VER TODOS (17)" is available.
- Machine learning Category:** Includes "Dialogflow API", "Cloud Vision API", "Cloud Natural Language API", "Cloud Speech API", "Cloud Translation API", and "Cloud Machine Learning Engine". A link "VER TODOS (7)" is available.
- G Suite Category:** Includes "G Suite" (18). A link "VER TODOS (18)" is available.

# Cadastrando uma aplicação no Google


APIs e serviços - LogMedia - Google Cloud Platform

https://console.cloud.google.com/apis/library/plus.googleapis.com?project=logmedia-218212&organizationId=0&supportedpurview=project

Apps Email Embarcadero Gmail

Google Cloud Platform LogMedia

Biblioteca de APIs



## Google+ API

Google

The Google+ API enables developers to build on top of the Google+ platform.

**ATIVAR** **TESTE ESTA API**

**Tipo**  
[APIs e serviços](#)

**Última atualização**  
01/08/2018 01:47

**Categoria**  
[Redes sociais](#)

**Nome do serviço**  
plus.googleapis.com


**Visão geral**  
The Google+ API enables developers to build on top of the Google+ platform.

**Sobre Google**  
Google's mission is to organize the world's information and make it universally accessible and useful. Through products and platforms like Search, Maps, Gmail, Android, Google Play, Chrome and YouTube, Google plays a meaningful role in the daily lives of billions of people.


**Tutoriais e documentação**  
[Learn more](#)

**Termos de serviço**  
Ao usar este produto, você concorda com os termos e condições das seguintes licenças: [Google APIs Terms of Service](#), [Google+ API](#)


Mais soluções a serem exploradas



Gmail API



Google Drive API



YouTube Data API v3

Chave de API - LogMedia - Console do Google

https://console.developers.google.com/apis/credentials/key/81b1fcc9-16f5-481

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Google APIs LogMedia

Chave de API **GERAR CHAVE NOVAMENTE** **EXCLUIR**

Esta chave de API pode ser usada neste projeto e com qualquer API compatível com ela. Para usar essa chave no seu aplicativo, transfira-a com o parâmetro `key=API_KEY`.

Data da criação	2 de out de 2018 14:08:15
Criada por	ilsouza@gmail.com (você)

**Chave de API**

AIzaSyBLQ0--OULW3vASedxNd-YFxmKaSXUuTM

**Nome**

LogMedia\_ChaveAPI

**Restrições de chave**  
Esta chave está sem restrição. Para evitar uso não autorizado e roubo de cota, restrinja-a. [Learn more](#)

**Restrições do aplicativo:** Nenhuma **Restrições da API:** Nenhuma

**Restrições do aplicativo** Restrições da API

As restrições do aplicativo especificam quais sites, endereços IP ou aplicativos podem utilizar esta chave. Você pode definir um tipo de restrição por chave.

**Restrições do aplicativo**

☒ Nenhuma

☐ Referenciadores HTTP (websites)

☐ Endereços IP (servidores da Web, cron jobs etc.)

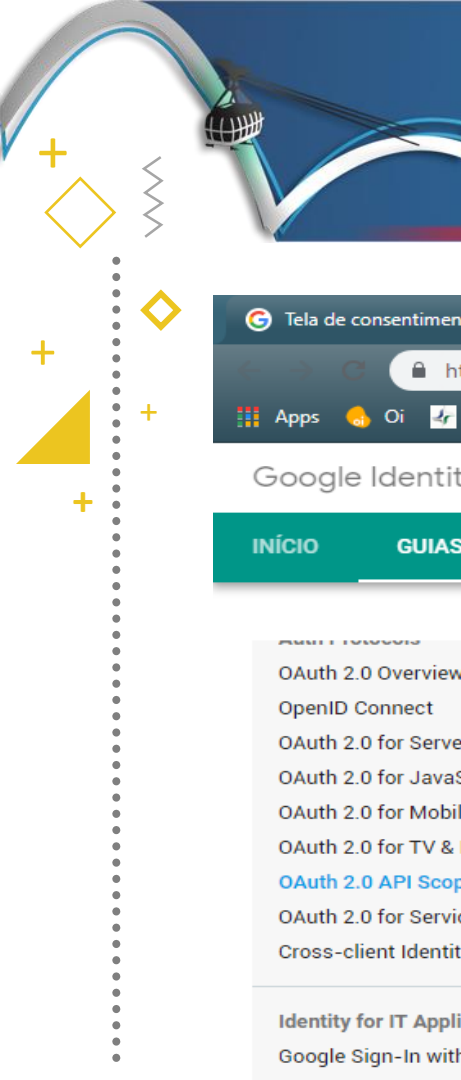
☐ Apps para Android

☐ Apps para iOS

Nota: pode levar até cinco minutos para que as configurações sejam aplicadas

**Salvar** **Cancelar**

# Cadastrando uma aplicação no Google



Tela de consentimento - LogMed x OAuth 2.0 Scopes for Google APIs x +

https://developers.google.com/identity/protocols/googlescopes?hl=pt\_BR

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Google Identity Platform

Pesquisa

TODOS OS PRODUTOS

INÍCIO GUIAS

## OAuth 2.0 Scopes for Google APIs

☆☆☆☆☆

This document lists the OAuth 2.0 scopes that you might need to request to access Google APIs, depending on the level of access you need. Sensitive scopes require review by Google and have a *sensitive* indicator on the Google Cloud Platform (GCP) Console's OAuth consent screen configuration page. Many scopes overlap, so it's best to use a scope that isn't sensitive. For information about each method's scope requirements, see the individual API documentation.

★ If your public application uses scopes that permit access to certain user data, it must pass review. If you see **unverified app** on the screen when testing your application, you must submit a verification request to remove it. Find out more about [unverified apps](#) in the Help Center.

### Ad Exchange Buyer API, v1.4

Scopes	
<a href="https://www.googleapis.com/auth/adexchange.buyer">https://www.googleapis.com/auth/adexchange.buyer</a>	Manage your Ad Exchange buyer account configuration

**Índice**

- Ad Exchange Buyer API, v1.4
- Ad Exchange Buyer API II, v2beta1
- Ad Exchange Seller API, v2.0
- Admin Data Transfer API, datatransfer\_v1
- Admin Directory API, directory\_v1
- Admin Reports API, reports\_v1
- AdSense Management API, v1.4
- AdSense Host API, v4.1
- Google Analytics API, v3
- Analytics Reporting API, v4
- Google Play EMM API, v1
- Android Management API, v1

**OAuth 2.0 Overview**

- OpenID Connect
- OAuth 2.0 for Server-side Web Apps
- OAuth 2.0 for JavaScript Web Apps
- OAuth 2.0 for Mobile & Desktop Apps
- OAuth 2.0 for TV & Device Apps
- [OAuth 2.0 API Scopes](#)
- OAuth 2.0 for Service Accounts
- Cross-client Identity

**Identity for IT Applications**

- Google Sign-In with Work Accounts
- Mobile App Best Practices

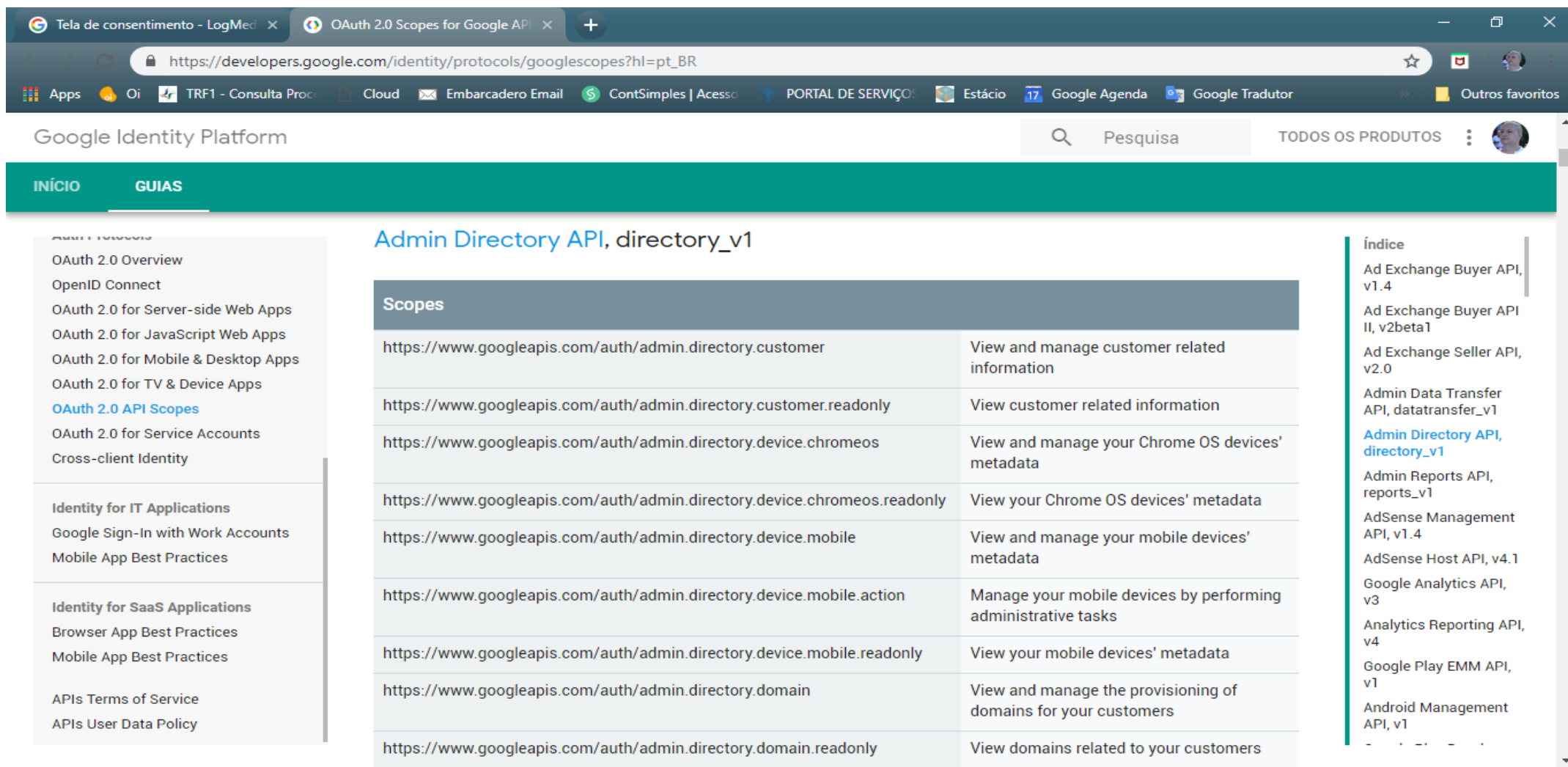
**Identity for SaaS Applications**

- Browser App Best Practices
- Mobile App Best Practices

APIs Terms of Service  
APIs User Data Policy



# Cadastrando uma aplicação no Google



The screenshot shows the Google Identity Platform website. The browser tabs include 'Tela de consentimento - LogMed' and 'OAuth 2.0 Scopes for Google API'. The address bar shows the URL: [https://developers.google.com/identity/protocols/googlescopes?hl=pt\\_BR](https://developers.google.com/identity/protocols/googlescopes?hl=pt_BR). The page title is 'Google Identity Platform'. The navigation bar includes 'INÍCIO' and 'GUIAS'. The main content area is titled 'Admin Directory API, directory\_v1'. It features a table of scopes and a sidebar with a list of API scopes.

**Scopes**

<a href="https://www.googleapis.com/auth/admin.directory.customer">https://www.googleapis.com/auth/admin.directory.customer</a>	View and manage customer related information
<a href="https://www.googleapis.com/auth/admin.directory.customer.readonly">https://www.googleapis.com/auth/admin.directory.customer.readonly</a>	View customer related information
<a href="https://www.googleapis.com/auth/admin.directory.device.chromeos">https://www.googleapis.com/auth/admin.directory.device.chromeos</a>	View and manage your Chrome OS devices' metadata
<a href="https://www.googleapis.com/auth/admin.directory.device.chromeos.readonly">https://www.googleapis.com/auth/admin.directory.device.chromeos.readonly</a>	View your Chrome OS devices' metadata
<a href="https://www.googleapis.com/auth/admin.directory.device.mobile">https://www.googleapis.com/auth/admin.directory.device.mobile</a>	View and manage your mobile devices' metadata
<a href="https://www.googleapis.com/auth/admin.directory.device.mobile.action">https://www.googleapis.com/auth/admin.directory.device.mobile.action</a>	Manage your mobile devices by performing administrative tasks
<a href="https://www.googleapis.com/auth/admin.directory.device.mobile.readonly">https://www.googleapis.com/auth/admin.directory.device.mobile.readonly</a>	View your mobile devices' metadata
<a href="https://www.googleapis.com/auth/admin.directory.domain">https://www.googleapis.com/auth/admin.directory.domain</a>	View and manage the provisioning of domains for your customers
<a href="https://www.googleapis.com/auth/admin.directory.domain.readonly">https://www.googleapis.com/auth/admin.directory.domain.readonly</a>	View domains related to your customers

**Índice**

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- Admin Reports API, reports\_v1
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- Android Management API, v1

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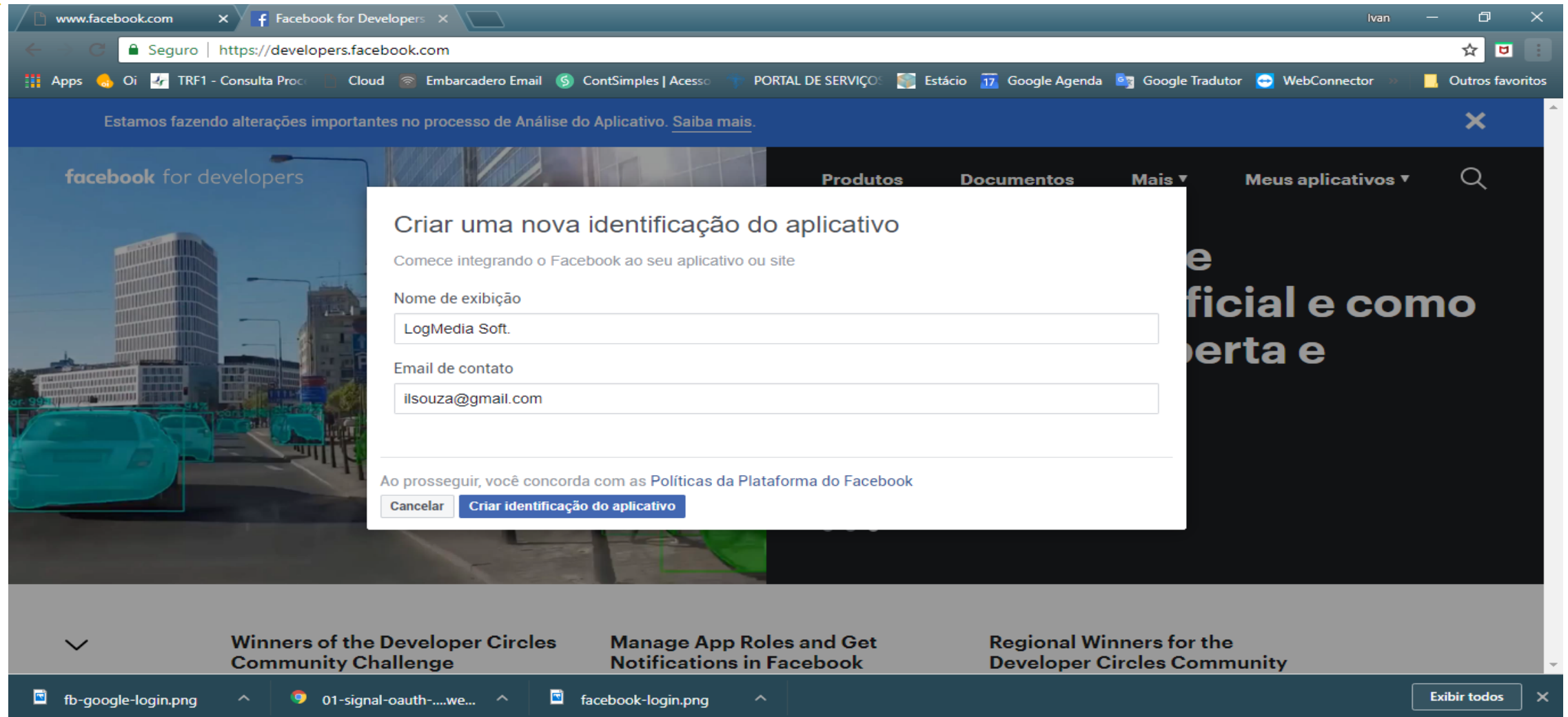
**Identity for SaaS Applications**

- Browser App Best Practices
- Mobile App Best Practices

**APIs Terms of Service**

- APIs User Data Policy

# Cadastrando uma aplicação no FaceBook



www.facebook.com x Facebook for Developers x Ivan

Seguro | https://developers.facebook.com

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Estamos fazendo alterações importantes no processo de Análise do Aplicativo. [Saiba mais.](#)

facebook for developers

Produtos Documentos Mais ▾ Meus aplicativos ▾

### Criar uma nova identificação do aplicativo

Comece integrando o Facebook ao seu aplicativo ou site

Nome de exibição

Email de contato

Ao prosseguir, você concorda com as Políticas da Plataforma do Facebook

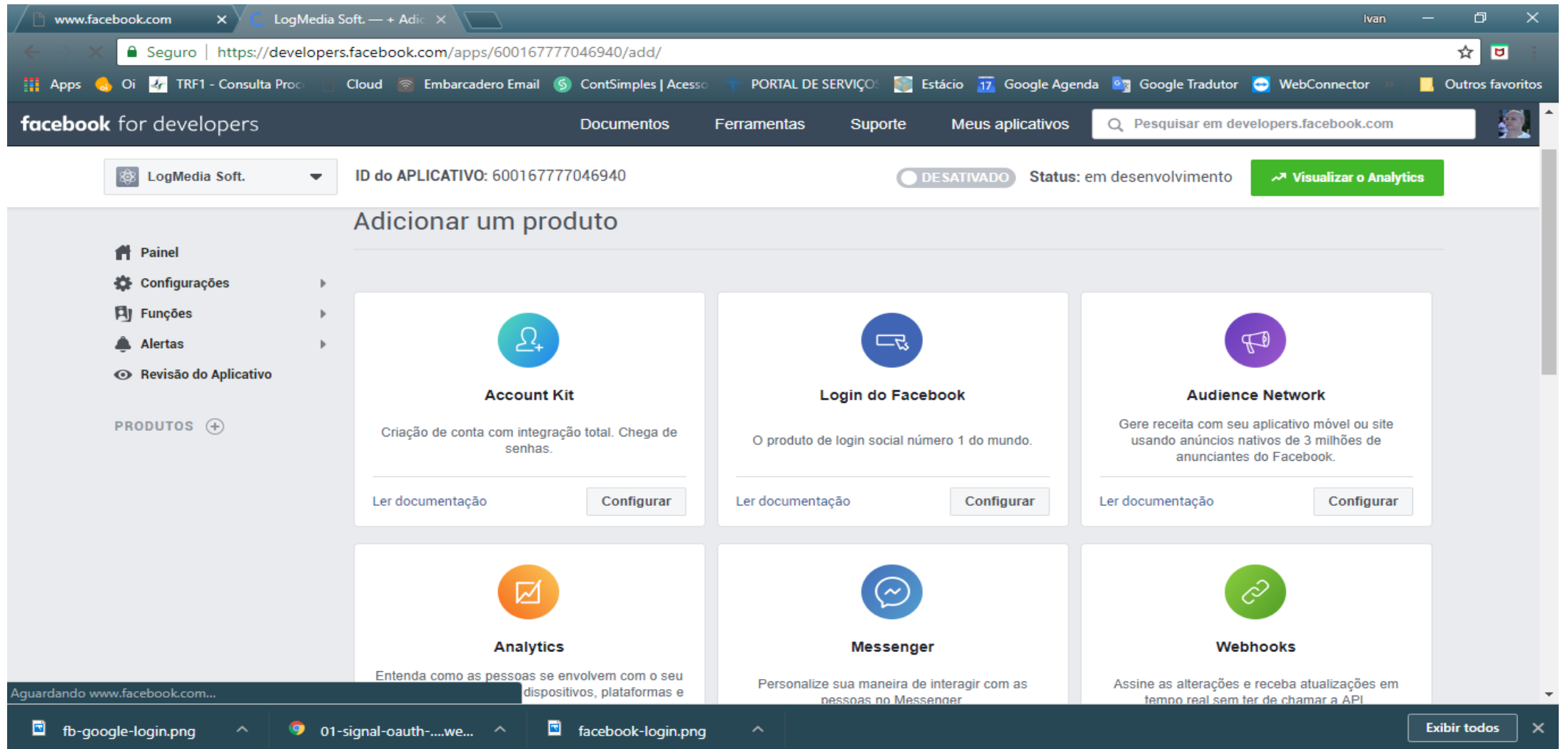
Winners of the Developer Circles Community Challenge

Manage App Roles and Get Notifications in Facebook

Regional Winners for the Developer Circles Community

fb-google-login.png ^ 01-signal-oauth-....we... ^ facebook-login.png ^  x

# Cadastrando uma aplicação no FaceBook



The screenshot shows the Facebook Developers interface for adding a product to an application. The browser address bar shows the URL: <https://developers.facebook.com/apps/600167777046940/add/>. The application name is 'LogMedia Soft.' and its ID is '600167777046940'. The status is 'em desenvolvimento' (in development) and the toggle for 'DESATIVADO' (disabled) is turned off. A green button labeled 'Visualizar o Analytics' is visible.

The main section is titled 'Adicionar um produto' (Add a product). It displays six product options in a grid:

- Account Kit**: Criação de conta com integração total. Chega de senhas. (Create account with total integration. Done with passwords.)
- Login do Facebook**: O produto de login social número 1 do mundo. (The world's number 1 social login product.)
- Audience Network**: Gere receita com seu aplicativo móvel ou site usando anúncios nativos de 3 milhões de anunciantes do Facebook. (Generate revenue with your mobile app or site using native ads from 3 million Facebook advertisers.)
- Analytics**: Entenda como as pessoas se envolvem com o seu dispositivos, plataformas e... (Understand how people engage with your devices, platforms and...)
- Messenger**: Personalize sua maneira de interagir com as pessoas no Messenger. (Personalize your way of interacting with people on Messenger.)
- Webhooks**: Assine as alterações e receba atualizações em tempo real sem ter de chamar a API. (Subscribe to changes and receive real-time updates without having to call the API.)

Each product card includes a 'Ler documentação' (Read documentation) link and a 'Configurar' (Configure) button.

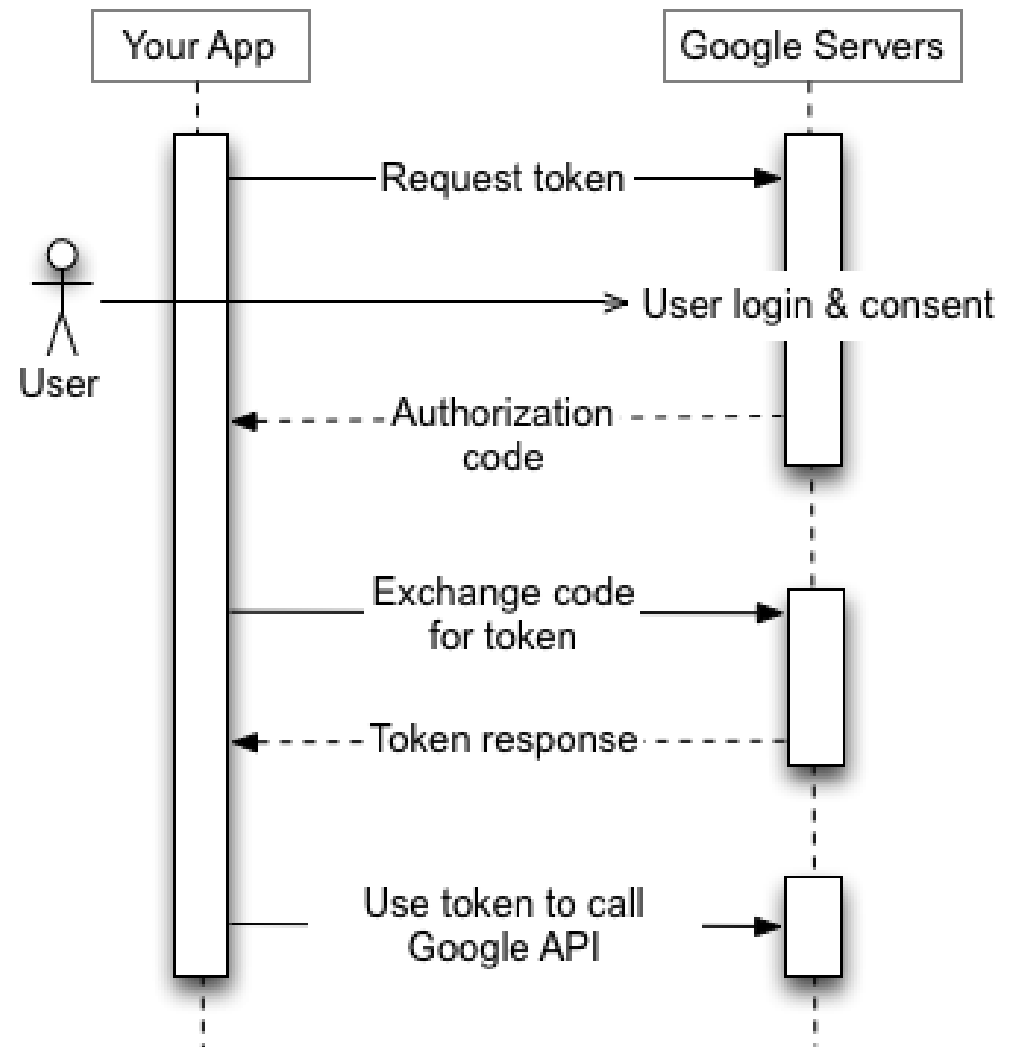
The left sidebar contains navigation links: Painei, Configurações, Funções, Alertas, and Revisão do Aplicativo. Below these are 'PRODUTOS' with a plus icon.

The bottom of the browser window shows a taskbar with several open windows, including 'fb-google-login.png', '01-signal-oauth-....we...', and 'facebook-login.png'. An 'Exibir todos' (Show all) button is also present.

# Entendendo Autenticação OAuth2

## O que é OAuth 2.0 e qual a sua utilidade?

O OAuth é um protocolo de autorização para API's web voltado a permitir que aplicações client acessem um recurso protegido em nome de um usuário.



# Usando o Rest Debugger

RESTDebugger  
Embarcadero Technologies

**Request**

Request Parameters Authentication Connection

Method: GET URL:

Content-Type:

Custom body:

Send Request  
New Request  
Load Request  
Save Request  
Copy Components

**Response**  
(no response)

Headers Body Tabular Data

Proxy-server disabled

OAuth2 - Assistant

**Endpoints**

Auth-Endpoint:

Access-Token-Endpoint:

Redirection-Endpoint:

**Client-Data**

Client-ID:

Client-Secret:

**Misc**

Response-Type: code

Scope:

**Code & Tokens**

Auth-Code:

Access-Token:

Refresh-Token:

Step #1: Authorize  
Step #2: Request Access-Token

Apply Cancel



# Let's Coding ...

begin

{

*Vamos entender na prática  
como isso funciona ...*

}

end;

# OBRIGADO



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