

Social Media, Google Authentication WLAN creation

The screenshot shows the Ruckus WLAN configuration interface. The background displays a dashboard with 'WiFi Networks' and a summary of 4 networks. The 'Create WLAN' dialog box is open, showing the following configuration options:

- Name:** [Empty text field]
- Usage Type:**
 - Standard for most regular wireless network usage
 - Guest Access guest access policies and access control will be applied
 - Hotspot Service known as WISPr
 - Social Media authenticate through social media network
 - WeChat
- Authentication Method:**
 - Open
 - 802.1X EAP
 - MAC Address
- Encryption Method:**
 - WPA2
 - None
- Accounting Server:** Disabled [Create New]
- Send Interim-Update every 10 minutes
- Social Media Login(s):**
 - FacebookWiFi
 - Google/Google+
 - Use my own client ID
 - Input existing client ID/password or click [here](#) to generate one
 - * Google Client ID: [Client ID]
 - * Client Password: [Password]
 - LinkedIn
 - Microsoft

Buttons: Show Advanced Options ▶, OK, Cancel

Login or create google account. If you click on “here” you will be led to Google APIs section of your Google account, log in, accept terms of service and click on “+ Create Project”

(pages described below are found under “Google API console” of developers page of google account <https://developers.google.com/products>):

The screenshot shows the Google API console interface. The background displays the 'Manage resources' page with a search bar and a 'CREATE PROJECT' button. A dialog box titled 'Updates to Terms of Service' is open, showing the following content:

Updates to Terms of Service
We have updated some of our Terms of Service. To continue, accept all the updated Terms of Service below.

Terms of service
 I agree to the [Google Cloud Platform Terms of Service](#), and the terms of service of any applicable services and APIs.

Country of residence
United States [Dropdown arrow]

ACCEPT

Your free trial is waiting: activate now to get \$300 credit to explore Google Cloud products. [Learn more](#)



New Project

You have 12 projects remaining in your quota. Request an increase or delete projects.

[Learn more](#)

[MANAGE QUOTAS](#)

Project Name *
UnleashedSocialGoogleWLAN



Project ID: level-totality-224419. It cannot be changed later. [EDIT](#)

Location *
No organization

[BROWSE](#)

Parent organization or folder

[CREATE](#)

[CANCEL](#)

Your free trial is waiting: activate now to get \$300 credit to explore Google Cloud products. [Learn more](#)

[DISMISS](#) [ACTIVATE](#)



Manage resources [CREATE PROJECT](#) [DELETE](#)

Filter by name, ID, project number, or label
You have no projects in this organization.

Notifications

Create Project: UnleashedSocialGoogleWLAN Just now

Select a resource

PERMISSIONS LABELS

Please select at least one resource.

Go to your "Google API Console", by going to this link = <https://developers.google.com/products> and then selecting, Google API Console:

Your free trial is waiting: activate now to get \$300 credit to explore Google Cloud products. [Learn more](#)

[DISMISS](#) [ACTIVATE](#)



APIs & Services

Dashboard [ENABLE APIS AND SERVICES](#)

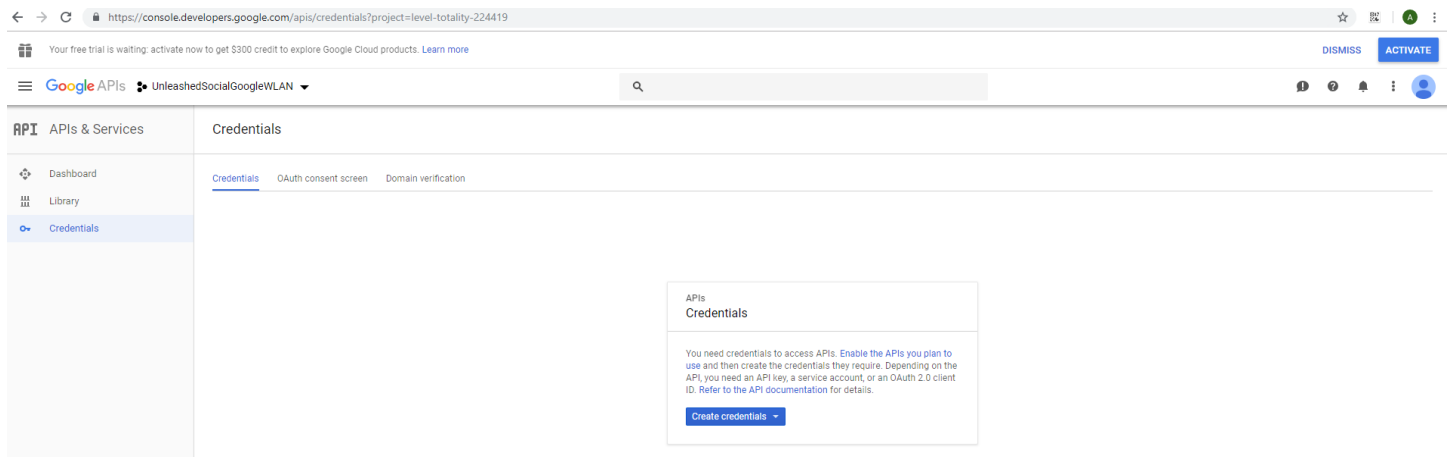
- Dashboard
- Library
- Credentials

No APIs or services are enabled
Browse the Library to find and use hundreds of available APIs and services

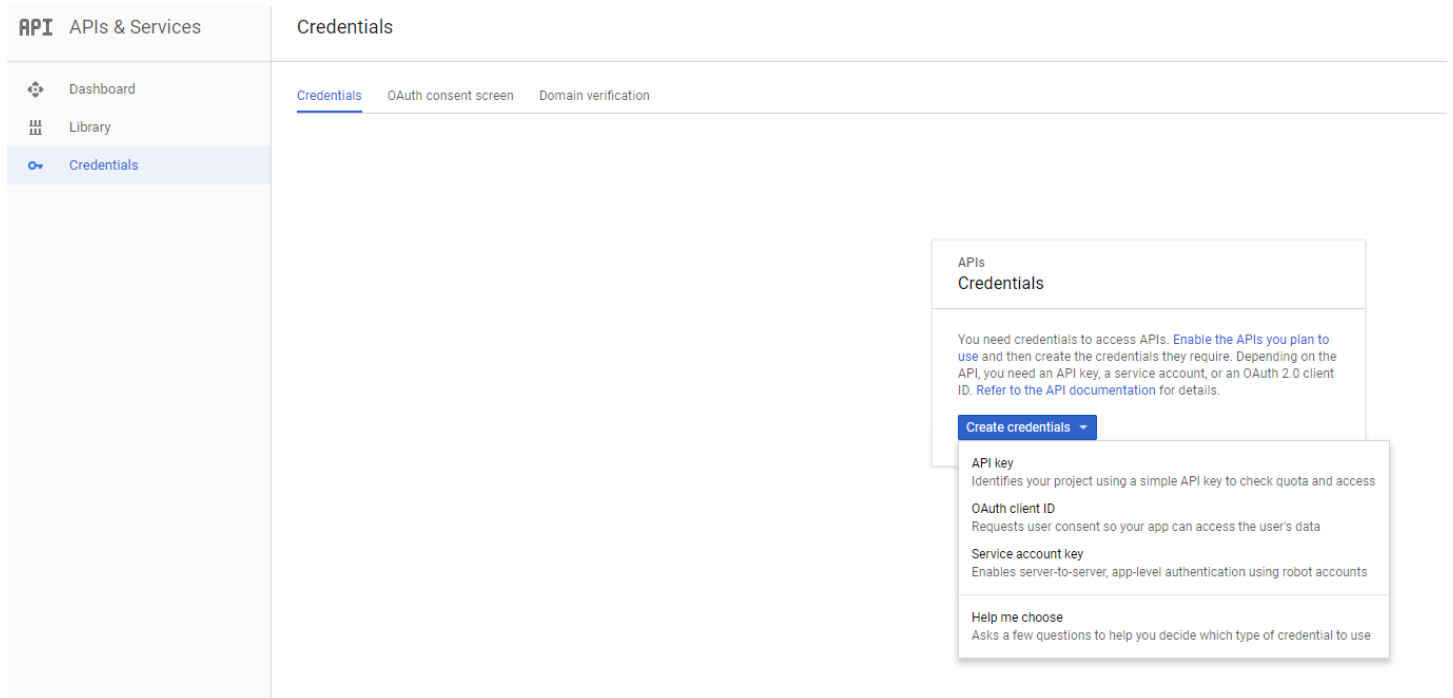
Popular APIs and services [VIEW ALL \(217\)](#)

<p>Google Drive API Google</p> <p>The Google Drive API allows clients to access resources from Google Drive</p>	<p>Gmail API Google</p> <p>Flexible, RESTful access to the user's inbox</p>	<p>Maps SDK for Android Google</p> <p>Maps for your native Android app.</p>	<p>Cloud Translation API Google</p> <p>Integrates text translation into your website or application.</p>	<p>Geocoding API Google</p> <p>Convert between addresses and geographic coordinates.</p>	<p>Cloud Vision API Google</p> <p>Image Content Analysis</p>
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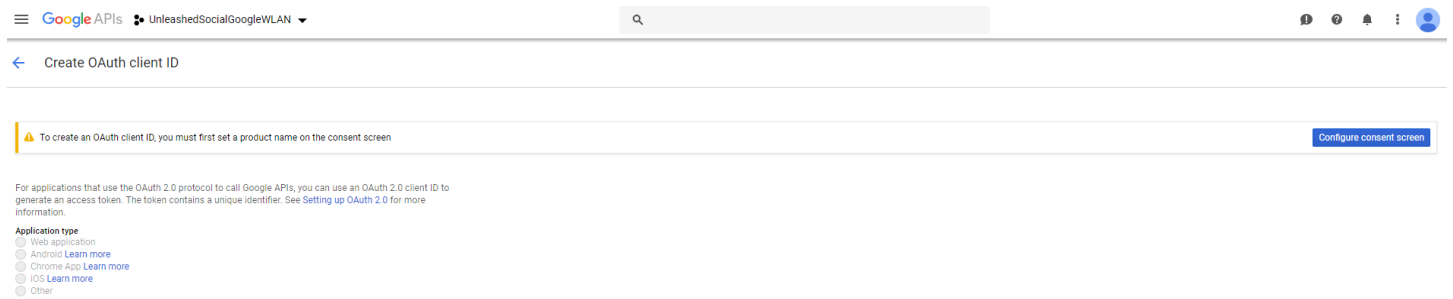
Click on “Credentials” and then box = Create credentials:



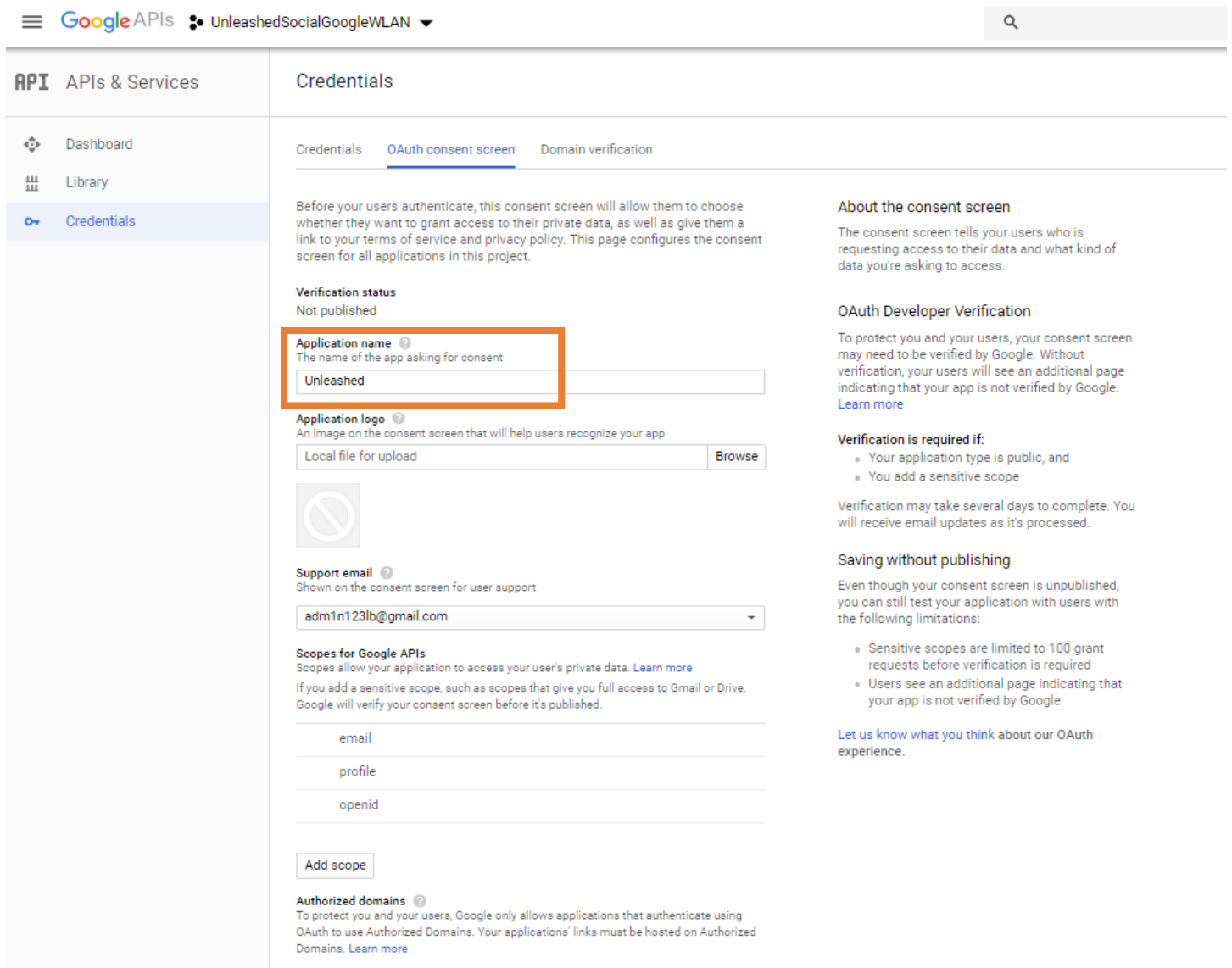
Select “OAuth client ID”:



Then click on 'Configure consent screen' tab:



In Application name box, type in Unleashed or anything related to remind you about Unleashed app, then click Save below:



In the “Create OAuth client ID” page, under Application type select Web application, create name like ‘Unleashed’, and then click on Create:

The screenshot shows the 'Create OAuth client ID' page in the Google APIs console. At the top, there is a search bar and a navigation menu with 'Google APIs' and 'UnleashedSocialGoogleWLAN'. The main heading is 'Create OAuth client ID'. Below this, there is a paragraph explaining that for applications using the OAuth 2.0 protocol, an OAuth 2.0 client ID can be used to generate an access token. The 'Application type' section has radio buttons for 'Web application' (selected), 'Android Learn more', 'Chrome App Learn more', 'iOS Learn more', and 'Other'. The 'Name' field contains 'Unleashed'. The 'Restrictions' section includes a 'Learn More' link and a note that origins and redirect domains must be added to the list of Authorized Domains. There are two input fields for 'Authorized JavaScript origins' and 'Authorized redirect URIs', both containing 'https://www.example.com'. At the bottom, there are 'Create' and 'Cancel' buttons.

And then, a Client ID and Client secret is generated:

The screenshot shows the 'Credentials' page in the Google APIs console. A modal window titled 'OAuth client' is displayed, showing the generated client ID and secret. The client ID is '315510456334-3578d06168apag7fa1ssqu1smcctj15.apps.googleusercontent.com' and the client secret is 'n0oJge1nAtHgl3bZjLbpc89n'. A warning message states: 'OAuth is limited to 100 sensitive scope logins until the OAuth consent screen is published. This may require a verification process that can take several days.' The modal also includes an 'OK' button.

You will then use this client ID and client secret for your Social Media Google WLAN:

Create WLAN



Name:

Usage Type: Standard for most regular wireless network usage
 Guest Access guest access policies and access control will be applied
 Hotspot Service known as WISPr
 Social Media authenticate through social media network
 WeChat

Authentication Method: Open 802.1X EAP MAC Address

Encryption Method: WPA2 None

Accounting Server Disabled
Send Interim-Update every minutes

Social Media Login(s): FacebookWiFi
 Google/Google+
 Use my own client ID
Input existing client ID/password or click [here](#) to generate one
* Google Client ID:
* Client Password:
 LinkedIn
 Microsoft

Show Advanced Options ▶

However, the next steps are crucial as wireless users will not be able to log in if we do not perform the following steps.

Go to Credentials page, Click on OAuth consent screen tab. Then add ruckuswireless.com under Authorized Domains:

API APIs & Services

Dashboard
Library
Credentials

Credentials

Credentials **OAuth consent screen** Domain verification

Before your users authenticate, this consent screen will allow them to choose whether they want to grant access to their private data, as well as give them a link to your terms of service and privacy policy. This page configures the consent screen for all applications in this project.

Verification status
Not published

Application name ⓘ
The name of the app asking for consent

Application logo ⓘ
An image on the consent screen that will help users recognize your app

Support email ⓘ
Shown on the consent screen for user support

Scopes for Google APIs
Scopes allow your application to access your user's private data. [Learn more](#)
If you add a sensitive scope, such as scopes that give you full access to Gmail or Drive, Google will verify your consent screen before it's published.

email
profile
openid

Authorized domains ⓘ
To protect you and your users, Google only allows applications that authenticate using OAuth to use Authorized Domains. Your applications' links must be hosted on Authorized Domains. [Learn more](#)

About the consent screen
The consent screen tells your users who is requesting access to their data and what kind of data you're asking to access.

OAuth Developer Verification
To protect you and your users, your consent screen may need to be verified by Google. Without verification, your users will see an additional page indicating that your app is not verified by Google. [Learn more](#)

Verification is required if:

- Your application type is public, and
- You add a sensitive scope

Verification may take several days to complete. You will receive email updates as it's processed.

Saving without publishing
Even though your consent screen is unpublished, you can still test your application with users with the following limitations:

- Sensitive scopes are limited to 100 grant requests before verification is required
- Users see an additional page indicating that your app is not verified by Google

[Let us know what you think](#) about our OAuth experience.

Then click on the web application OAuth Client ID link you just created, 'Unleashed' in this case example case:

The screenshot shows the Google APIs console interface. On the left, the 'APIs & Services' sidebar is open, with 'Credentials' selected. The main content area is titled 'Credentials' and contains a 'Create credentials' button and a 'Delete' button. Below this, there is a table of OAuth 2.0 client IDs. The table has columns for Name, Creation date, Type, and Client ID. The entry 'Unleashed' is highlighted with a yellow circle. The Client ID for 'Unleashed' is 315510456334-3578d06168qpag7falssqu1smmcetj5.apps.googleusercontent.com.

Name	Creation date	Type	Client ID
Unleashed	Dec 3, 2018	Web application	315510456334-3578d06168qpag7falssqu1smmcetj5.apps.googleusercontent.com

Finally, add <http://unleashed.ruckuswireless.com/user/auth.jsp> in the Authorized redirect URIs section of Restrictions and hit the Save button:

The screenshot shows the 'Client ID for Web application' configuration page. At the top, there are navigation buttons: 'Client ID for Web application', 'DOWNLOAD JSON', 'RESET SECRET', and 'DELETE'. Below this, there is a table with the following information:

Client ID	315510456334-3578d06168qpag7falssqu1smmcetj5.apps.googleusercontent.com
Client secret	nooJgelhAtHgL3bZjLBpc89n
Creation date	Dec 3, 2018, 12:19:13 PM

Below the table, there is a 'Name' field with the value 'Unleashed'. Under the 'Restrictions' section, there are two input fields. The first is for 'Authorized JavaScript origins' with the value 'https://www.example.com'. The second is for 'Authorized redirect URIs' with the value 'http://unleashed.ruckuswireless.com/user/auth.jsp'. At the bottom, there are 'Save' and 'Cancel' buttons.



Client ID	315510456334-3578d06168qpag7falssqu1smmcetji5.apps.googleusercontent.com
Client secret	nooJgelhAtHgL3bZjLBpc89n
Creation date	Dec 3, 2018, 12:19:13 PM

Name ?

Restrictions
 Enter JavaScript origins, redirect URIs, or both [Learn More](#)
 Origins and redirect domains must be added to the list of Authorized Domains in the [OAuth consent settings](#).

Authorized JavaScript origins
 For use with requests from a browser. This is the origin URI of the client application. It can't contain a wildcard (https://*.example.com) or a path (https://example.com/subdir). If you're using a nonstandard port, you must include it in the origin URI.

Authorized redirect URIs
 For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.

Connect a wireless client to newly WLAN created, in this example wlan = 1SUP-RF-UniGoogle2, after you've added Client ID and Client secret to Google WLAN:

Client ID
 315510456334-3578d06168qpag7falssqu1smmcetji5.apps.googleusercontent.com
 Client secret
 nooJgelhAtHgL3bZjLBpc89n

Edit WLAN ✕

Name:

Usage Type: Standard for most regular wireless network usage
 Guest Access guest access policies and access control will be applied
 Hotspot Service known as WISPr
 Social Media authenticate through social media network
 WeChat

Authentication Method: Open 802.1X EAP MAC Address

Encryption Method: WPA2 None

Accounting Server:
 Send Interim-Update every minutes

Social Media Login(s):
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 Google/Google+
 Use my own client ID
 Input existing client ID/password or click [here](#) to generate one
 * Google Client ID:
 * Client Password:
 LinkedIn
 Microsoft