Configuring Google as an OAuth Provider in PHPKR

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Configuring Google as an OAuth Provider in PHPKB Knowledge Base Software is a process that enables users to log in to PHPKB using their Google credentials. This can be a convenient and secure way for users to access the system, as it eliminates the need for separate login credentials and ensures that users are authenticated by a trusted third party.

How to configure Google as an OAuth provider in PHPKB?

In this tutorial, you will learn how to configure Google as OAuth Provider with PHPKB OAuth plugin.

PHPKB OAuth Authentication Plugin

The OAuth 2.0 authentication plugin enables users to log in using their Google, Microsoft, Facebook, or any other account via buttons on the login page of your knowledge base.

Interested to buy this plugin? Contact Us for Licensing & Pricing.

To configure Google as an OAuth Provider in PHPKB, follow these steps:

PHP Requirements:

PHP 7.0 or later **CURL** extension JSON extension **OpenSSL** extension

Download & Installation:

Extract the package (that you received after purchasing this plugin), copy all the files & folders, and paste them at their respective locations under the installation directory of PHPKB Knowledge Management Software on your server. There is a new folder, called 'add-ons' (applicable to PHPKB v9.0), copy that and put it directly under the root folder (i.e. outside /admin/ folder) of the PHPKB package.

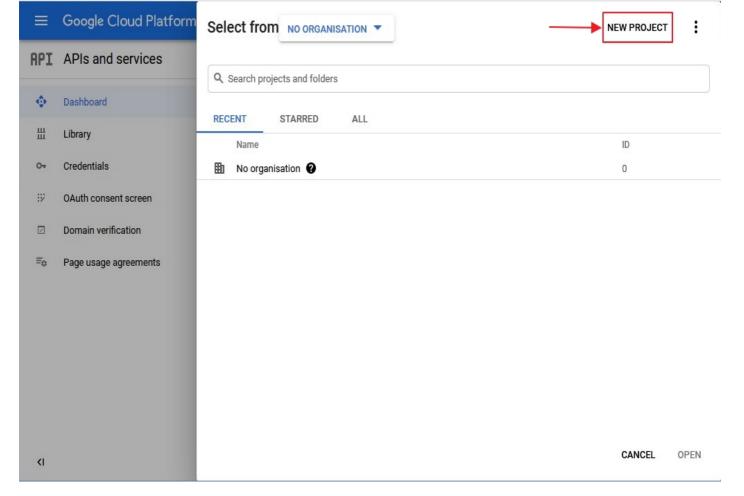
Step 1: Setup Google as an OAuth Provider

Go to https://console.developers.google.com and click on "Login / Signup". Click on Select a project, and you will see a popup with a list of all your projects.

≡	Google Cloud Platform	Select a project 🔻	←	۹ 🗰	Þ. ?	٠	
API	APIs and services	Dashboard					
Φ	Dashboard	A Taulanthi			-	REATE PRO	IFOT
盟	Library	To view this	s page, select a proje	ect.	U	REATE PRO	JECT
0+	Credentials						
:2	OAuth consent screen						
	Domain verification						
≡¢	Page usage agreements						

You can click on the New Project button to create a new project. Powered by PHPKB (Knowledge Base Software)

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Enter your Project name under the **Project Name** field and click on **Create**.

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hanged later.
BROWSE

Go to Navigation Menu > APIs > Services > Credentials .

≡	Google Cloud Platform	💲 PHPKB-OAuth 👻 🔍 Search products 🗸 🎁 🛌 😯 🌲 🔋
API	APIs and services	Credentials + CREATE CREDENTIALS
¢	Dashboard	Create credentials to access your enabled APIs. Learn more
Ш	Library	Remember to configure the OAuth consent screen with information about your application.
0-	Credentials	CONFIGURE CONSENT SCREEN
::2	OAuth consent screen	
	Domain verification	API keys
≡¢	Page usage agreements	□ Name Creation date ↓ Restrictions Key
		No API keys to display
		OAuth 2.0 Client IDs
		□ Name Creation date ↓ Type Client ID
		No OAuth clients to display
		Service Accounts Manage service accounts
<1		Email Name 1
NI NI		No service accounts to display

Click on Create Credentials button and then select OAuth Client ID from the options provided.

≡	Google Cloud Platform	🕽 РНРК	(B-OAuth 🔻	Q Search produc	ts	~	Ħ	۶.	?	۵	:	(
API	APIs and services	Creden	ntials	+ CREATE CREDENTIALS	î	DELETE						
4	Dashboard	Create cre	edentials to ac	API key Identifies your project using	a simp	le API key to	o check (quota a	nd acce	ess		
丗	Library		Remember t	OAuth client ID Requests user consent so th	nat vou	r app can ac	cess the	e user's	data.	_		
0+	Credentials		CONFIGUE	Service account	,							
92	OAuth consent screen			Enables server-to-server, app	p-level a	authenticati	on using	robot a	account	ts		
~	Domain verification	API key	ys	Help me choose								
≡¢	Page usage agreements		Name	Asks a few questions to help	p you d	ecide which	type of	credent	ial to u	se		
		No API	I keys to display									
		OAuth	2.0 Client II	Ds								
			Name	Creation date $ igstarrow $		Туре		Client I	D			
		No OA	uth clients to di	splay								
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<۱			Email		Name	↑						
		No ser	vice accounts to	o display								

In case you are facing some warning saying that in order to create an **OAuth Client ID**, you must set a product name on the consent screen. Click on the Configure consent screen button.

Ξ	Google Cloud Platform	🕈 PHPKB-OAuth 🔻	٩	Search products and resources	~	i	>.	?	¢	:					
API	APIs and services	← Create OAuth c	lient ID)											
4	Dashboard			e app to Google's OAuth servers. If your app					/						
Ш	Library	information.	nultiple platforms, each will need its own client ID. See <u>Setting up OAuth 2.0</u> for more formation.							1					
0-	Credentials	🔺 To create an OA	uth client	t ID, you must first set a product name on th	e consent screen.	CO	NFIGUR	E CON	SENT S	CREE	N				
92	OAuth consent screen														
	Domain verification														
≡¢	Page usage agreements														
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≡	Google Cloud Platform	PHPKB-OAuth Search products and resources
API	APIs and services	OAuth consent screen
¢	Dashboard	Choose how you want to configure and register your app, including your
끮	Library	target users. You can only associate one app with your project.
0+	Credentials	User Type
92	OAuth consent screen	O Internal 🕐
	Domain verification	Only available to users within your organisation. You will not need to submit your app for verification. Learn more
Ξo	Page usage agreements	 External Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users that you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. Learn more CREATE Let us know what you think about our OAuth experience
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Enter your product name under the **Product Name Shown** to Users field. Click on the **SAVE** button to save your settings.

≡	Google Cloud Platform	PHPKB-OAuth ▼ Q Search products and resources
API	APIs and services	Edit app registration
¢	Dashboard	Application home page
Ш	Library	Provide users a link to your home page
0-	Credentials	Application privacy policy link
92	OAuth consent screen	Provide users a link to your public privacy policy
\checkmark	Domain verification	Application Terms of Service link
≡¢	Page usage agreements	Provide users a link to your public Terms of Service
		Authorised domains When a domain is used on the consent screen or in an OAuth client's configuration, it must be pre-registered here. If your app needs to go through verification, please go to the <u>Google Search</u> <u>Console</u> to check if your domains are authorised. <u>Learn more</u> about the authorised domain limit.
		phpkb.com
		+ ADD DOMAIN
		Developer contact information
		Email addresses *
	X	These email addresses are for Google to notify you about any changes to your project.
<1		SAVE AND CONTINUE CANCEL

Now for configuring scopes, click on Add or Remove the Scopes button.

≡	Google Cloud Platform	PHPKB-OAuth - Q Search products and resources				
API	APIs and services	Edit app registration				
«Ç»	Dashboard	✓ OAuth consent screen — ② Scopes — ③ Summary				
Ш	Library					
0-	Credentials	Scopes express the permissions that you request users to authorise for your app and allow your project to access specific types of private user				
92	OAuth consent screen	data from their Google Account. Learn more				
\checkmark	Domain verification	ADD OR REMOVE SCOPES				
≡o	Page usage agreements					

Now, select the **Scopes** to allow your project to access specific types of private user data from their Google Account and click on **Save and Continue** button.

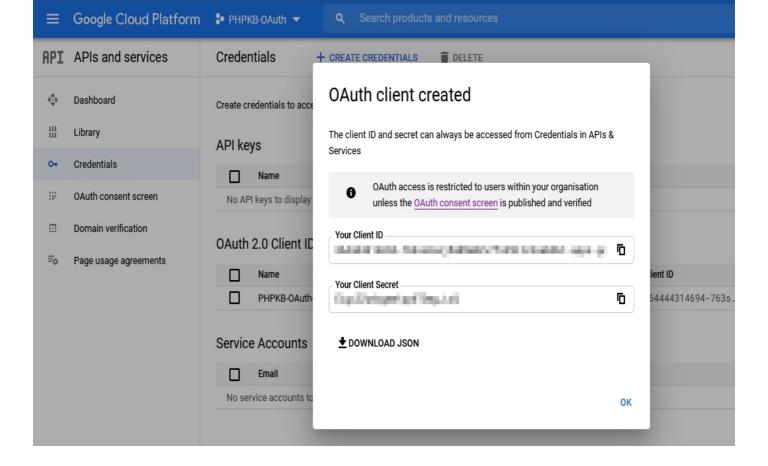
Go to the **Credentials** tab and click on **Create Credentials** button. Select **Web Application** from the dropdown list to create a new application.

≡	Google Cloud Platform	PHPKB-OAuth ▼ Q Search products and resources
API	APIs and services	← Create OAuth client ID
¢.	Dashboard Library	A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See <u>Setting up OAuth 2.0</u> for more information.
0+	Credentials	Application type *
:2	OAuth consent screen	Android
\checkmark	Domain verification	Chrome app
≡¢	Page usage agreements	iOS
		TVs and Limited Input devices
		Desktop app
		Universal Windows Platform (UWP)

Enter the name you want for your Client ID under the name field and enter the **Redirect / Callback URI** from PHPKB OAuth / OpenID-Connect plugin under the Redirect URL field.

≡	Google Cloud Platform	PHPKB-OAuth ▼ Q Search products and resources
API	APIs and services	Create OAuth client ID
4	Dashboard	A client ID is used to identify a single app to Google's OAuth servers. If your app runs on
Ш	Library	multiple platforms, each will need its own client ID. See <u>Setting up OAuth 2.0</u> for more information.
0+	Credentials	Application type *
:2	OAuth consent screen	Learn more about OAuth client types
	Domain verification	Name * PHPKB-OAuth-CL
≡¢	Page usage agreements	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.
		• The domains of the URIs you add below will be automatically added to your <u>OAuth consent screen</u> as <u>authorised domains</u> .
		Authorised JavaScript origins Por use with requests from a browser
		+ ADD URI
		Authorised redirect URIs
		For use with requests from a web server
		URIs *
		Man paral page and a second seco
		+ ADD URI
<ا		CREATE

Click on the SAVE button to save your configurations. Now, you have successfully completed your Google App OAuth Server side configurations.



Google Endpoints and Scope:

Scope	openid email
Authorize Endpoint	https://accounts.google.com/o/oauth2/auth
Access Token Endpoint	https://www.googleapis.com/oauth2/v4/token
Get User Info Endpoint	https://www.googleapis.com/oauth2/v1/userinfo
Grant Type	Authorization Code

Step 2: Setup PHPKB as OAuth Client

Login to Administrator Control Panel as Superuser and go to Tools > OAuth / OpenID-Connect. Let's configure the Basic Configuration.

Tip: For easier configuration, there are helpful notes added under the fields/options where it is needed.

BASIC CONFIGURATION

Configure basic settings, like Enable OAuth, Redirect URL, App Name, Client ID, Client Secret, Scope, Authorize Endpoint, Access Token Endpoint, etc.

Enable OAuth?	Yes Whether you want to enable & show OAuth on Login page to users or not.	
Issuer URL*	https://accounts.google.com	
	L The initial endpoint that is contacted by the relying party to begin a flow (must be a valid Base URL for Discovery configuration and PHPKB will fn Authorization URL, Issuer URL, etc. using this Base URL). It must start with HTTPS for production and it may start with HTTP on localhost. For example: If the Discovery Document URL is https://login.example.com/.well-known/openid-configuration then just enter https://login.examp	
Redirect URL	add-ons/oauth/index.php	ත
	This is where user will be redirected after a successful authentication. You should add this URL in your OAuth Server as OAuth Redirect or Callba URL.	ack
App Name (Optional)	Google	
	You can enter the App Name, like Google. Default: OAuth	
Display Name (Optional)	Login with Google	
	Please enter what you want to show on Login button. Default: Login with <app name=""></app>	
Client ID*	Control Control And Andrew Conglines are prepared and an	
	A publicly exposed string that is used by the service API to identify the application. It is also used to build authorization.	
Client Secret *	CALL/REPORT DESIGN	
	Secret is used to authenticate the identity of the application to the service API when the application requests to access a user account. It must be private between the application and the API.	e kept
Scope	openid email	
	The scopes that are associated with access tokens determine what resources are available when they are used to access OpenID connect protect endpoints. For example: openid profile name email phone Note: This is fetched automatically if the Discovery configuration is found.	ted
Authorize Endpoint *	https://accounts.google.com/o/oauth2/auth	
Access Token Endpoint *	https://www.googleapis.com/oauth2/v4/token	
Get User Info Endpoint *	https://www.googleapis.com/oauth2/v1/userinfo	
Grant Type	Authorization Code	Ŧ

Now configure the Advanced Settings section.

ADVANCED SETTINGS	
You can configure more options, like Create use	r if not exists, Keep existing users, Update user data, Default group(s) assignment, and Default Role.
Create user if not exists?	Yes Auto-provisioning. If user does not exist, PHPKB will create a new user with the data provided by the Identity Provider.
Auto-linking existing users?	Yes If a PHPKB account already exists with the same identity as a newly-authenticated user over OpenID Connect, login as that user instead of generating an error.
Update User Data?	Yes Auto-update. PHPKB will update the account details of user with the data provided by the server.
Match PHPKB account by	email Select what field will be used in order to find the user account. If "email", the plugin will prevent the user from changing his/her email address in My
	Profile page.
Default Group(s) Assignment	Choose default group(s) assignment
	The default group(s) that will be assigned to Member users when they would log in to PHPKB via OAuth.

Then configure the Attribute Mapping section.

💜 Tip: To create users as Member users, you can set the 'Default Role' as 'Member', otherwise, change it accordingly.

ATTRIBUTE MAPPING

Sometimes the names of the attributes sent by the identity provider do not match the names used by PHPKB for the user accounts. In this section you can set the mapping between provider fields and PHPKB fields. Note: This mapping may also be set at identity provider's side (if supported).

Username *	email
Email *	email
First Name	name
Last Name	
Role	
	The attribute that contains the role of the user, for example 'memberOf'.
Default Role	Member -
	Default role assignment to all users.

The next is the **Role Mapping** section where you can map the roles returned by IdP with the roles that are available in PHPKB.

If your IdP does not return any roles then you can skip this section.

ROLE MAPPING

The Identity Provider can use its own roles. In this section, you can set the mapping between IdP and PHPKB roles. Accepts comma separated values. Example: admin.owner, superuser

Member	
Writer	
Writer-Trusted	
Editor	
Superuser	

Then you can set Role Precedence for different roles.

🖣 If your IdP does not return any roles then you can skip this section.

ROLE PRECEDENCE					
In some cases, the IdP returns more than one role. In this secion, you can set the precedence of the different roles. The smallest integer will be the role chosen.					
Member	[0-99]				
Writer	[0-99]				
Writer-Trusted	[0-99]				
Editor	[0-99]				
Superuser	[0-99]				

Finally, set up Security Settings accordingly (if needed).

SECURITY SETTINGS	
Configure Proxy and cert (certificate) path.	
Configure Proxy?	
	Configure a proxy. For example: http://my.proxy.com:80
Configure Cert Path?	
	Configure a cert. For example: /path/to/my.cert

Test the configuration by going to the Login page (either in the Public area or Admin area).

That's all! By following these steps, you can configure Google as an OAuth Provider in PHPKB, providing users with a convenient and secure way to access the system.

Online URL: https://www.phpkb.com/kb/article/configuring-google-as-an-oauth-provider-in-phpkb-265.html