



CAcert *OpenID Connect*



Registration Examples

Drupal

I am using Drupal CMS (a version of Drupal 11) for my example. However, other versions of Drupal 10 or 11 will be very similar.

First, ensure that you have installed and enabled the PHP GMP module for your version of PHP. There are several different modules available for Drupal to provide various OpenID services to Drupal.

In our case, we are using the miniOrange OpenID module. As the documentation instructs, use Composer to install the OAuth Login - OAuth OIDC SSO module, also known as the miniOrange OpenID module:

```
composer require 'drupal/oauth_login_oauth2:^3.0'
```

Go in to your Drupal installation, and go to the Administration Extend page. Search for (use Filter) OAuth, look for "miniOrange," and check and Install that.

Go to the Configuration main menu item and choose miniOrange OAuth Client Configuration. Enter that configuration page.

Note: the following screen shots are from the general configuration menu item for the page, which may be slightly different from the initial configuration.

Back to site Manage Shortcuts admin This site is intended for demonstration purposes. Announcements Edit

Content Structure Appearance Extend Configuration People Reports Help

Home Administration Configuration People

OAuth/OIDC Client Configuration

Request 7-days trial

Configure OAuth Attribute & Role Mapping Sign In Settings Login Reports Upgrade Plans

CONFIGURE APPLICATION

Select Application* -Select- Select an OAuth Server

Callback/Redirect URL ① https://bl...h.com/web/mo_login Copy

Custom App Name*

Login Link Text* Log in using ##app_name## Note: The login link will appear on the user login page in this manner

Grant Types
☒ Authorization Code Grant ?
 ☐ Authorization Code with PKCE ?
 ☐ Password Grant ?
 ☐ Implicit Grant ?

Client ID*



Choose "Custom OAuth 2.0 App" from the dropdown menu and click the Next button.

Back to site Manage Shortcuts admin This site is intended for demonstration purposes. Announcements Edit

Content Structure Appearance Extend Configuration People Reports Help

Home Administration Configuration People

OAuth/OIDC Client Configuration

Request 7-days trial

Configure OAuth Attribute & Role Mapping Sign In Settings Login Reports Upgrade Plans

CONFIGURE APPLICATION

Custom setup guide

Select Application* Custom OAuth 2.0 Provider Select an OAuth Server

Callback/Redirect URL ① https://bl...h.com/web/mo_login Copy

Custom App Name*

Login Link Text* Log in using ##app_name## Note: The login link will appear on the user login page in this manner

Grant Types
☒ Authorization Code Grant ?
 ☐ Authorization Code with PKCE ?
 ☐ Password Grant ?
 ☐ Implicit Grant ?

Client ID*



Copy the "Callback / Redirect URL" and go to the CAcert OpenID Registration Site and start the "Register A New Site" process.

CACert Home

How to Register a New Site

To make use of this system and register a site, you need the following things:

1. A unique name to identify your site registration
2. The "Redirect URL" that the OpenID plugin for the site that you are registering requires.
3. Does your plugin use Post or Basic authentication? The default is POST. If you have requirements other than those two, please contact the CACert OpenID development team at development@cacert.org
4. Optional notes for yourself.

You may download the various URLs provided by the OpenID component [here](#)

Site Name	
Redirect URL	
Auth Method	☒ Post ☐ Basic
Notes	

Copyright © CACert, Inc 2025

Create a name to identify your new connection.

Use the Redirect URL given above from the Drupal machine for the Redirect URL.

CACert Home

How to Register a New Site

To make use of this system and register a site, you need the following things:

1. A unique name to identify your site registration
2. The "Redirect URL" that the OpenID plugin for the site that you are registering requires.
3. Does your plugin use Post or Basic authentication? The default is POST. If you have requirements other than those two, please contact the CACert OpenID development team at development@cacert.org
4. Optional notes for yourself.

You may download the various URLs provided by the OpenID component [here](#)

Site Name	My Drupal Site
Redirect URL	https://blissandfaith.com/web/mo_login
Auth Method	☒ Post ☐ Basic
Notes	

Copyright © CACert, Inc 2025

In the CACert Site, click Register Site.

Save the Client ID and Client Secret in a safe place. The Registration Site WILL NOT allow you to retrieve those values again.

CAcert Home

Here are your Client ID and Client Secret

Make sure that you copy these two values somewhere safe, because the Client Secret can not be retrieved again.

Client ID	a6b...-a600-...-9a0b-e...5e908a
Client Secret	mChB2...3Kjc-F...5r

You will also need the following URLs for your site plugin.

Authorize	https://authserver.cacert-phoenix.org:4444/oauth2/auth
Token	https://authserver.cacert-phoenix.org:4444/oauth2/token
User Info	https://authserver.cacert-phoenix.org:4444/userinfo

Download a list of relevant URLs [here](#)

Copyright © CAcert, Inc 2025

In your Drupal machine, continue the configuration of the miniOrange module.

Edit the first field, "Text of the SSO login link on the login page" as you wish.

Insert the Client ID and Client Secret from the CAcert Registration page in to the two fields on your Drupal site.

Back to site Manage Shortcuts admin This site is intended for demonstration purposes. Announcements Edit

Content Structure Appearance Extend Configuration People Reports Help

Home > Administration > Configuration > People

OAuth2/OIDC Client Configuration

Request 7-days trial

Configure OAuth Attribute & Role Mapping Sign In Settings Login Reports Upgrade Plans

CONFIGURE APPLICATION

Custom setup guide

Select Application* Custom OAuth 2.0 Provider Select an OAuth Server

Callback/Redirect URL @ https://b...com/web/mo_login Copy

Custom App Name* CAcert OpenID Connect

Login Link Text* Log in using ##app_name## Note: The login link will appear on the user login page in this manner

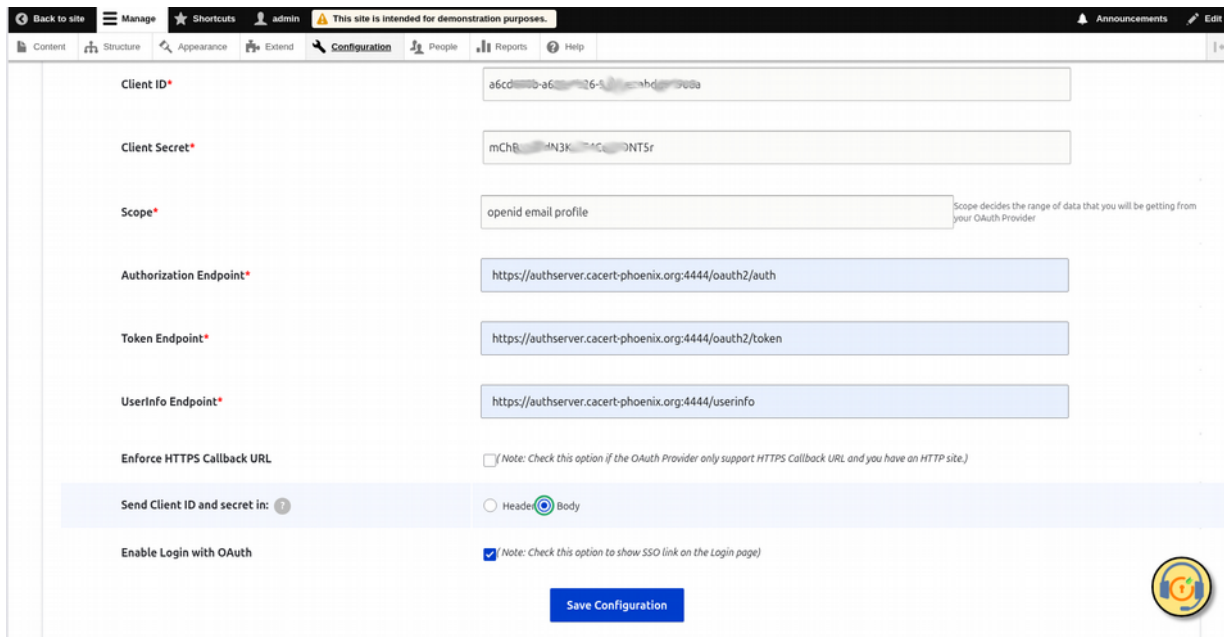
Grant Types Authorization Code Grant Authorization Code with PKCE Password Grant Implicit Grant

Client ID* a6c...b-a600-...-9a0b-e...5e908a

Enter the three URLs from the CAcert Registration page into the appropriate places on the page.

You do not need to change the Scope.

Also ensure that you click the radio button for "Body," not "Header."



Back to site Manage Shortcuts admin This site is intended for demonstration purposes. Announcements Edit

Content Structure Appearance Extend Configuration People Reports Help

Client ID* a6cd...-a6...-26-...-...-...-...-...-...

Client Secret* mChE...N3K...AC...NT5r

Scope* openid email profile Scope decides the range of data that you will be getting from your OAuth Provider

Authorization Endpoint* https://authserver.cacert-phoenix.org:4444/oauth2/auth

Token Endpoint* https://authserver.cacert-phoenix.org:4444/oauth2/token

UserInfo Endpoint* https://authserver.cacert-phoenix.org:4444/userinfo

Enforce HTTPS Callback URL ☐ Note: Check this option if the OAuth Provider only support HTTPS Callback URL and you have an HTTP site.

Send Client ID and secret in: ☐ Header ☒ Body

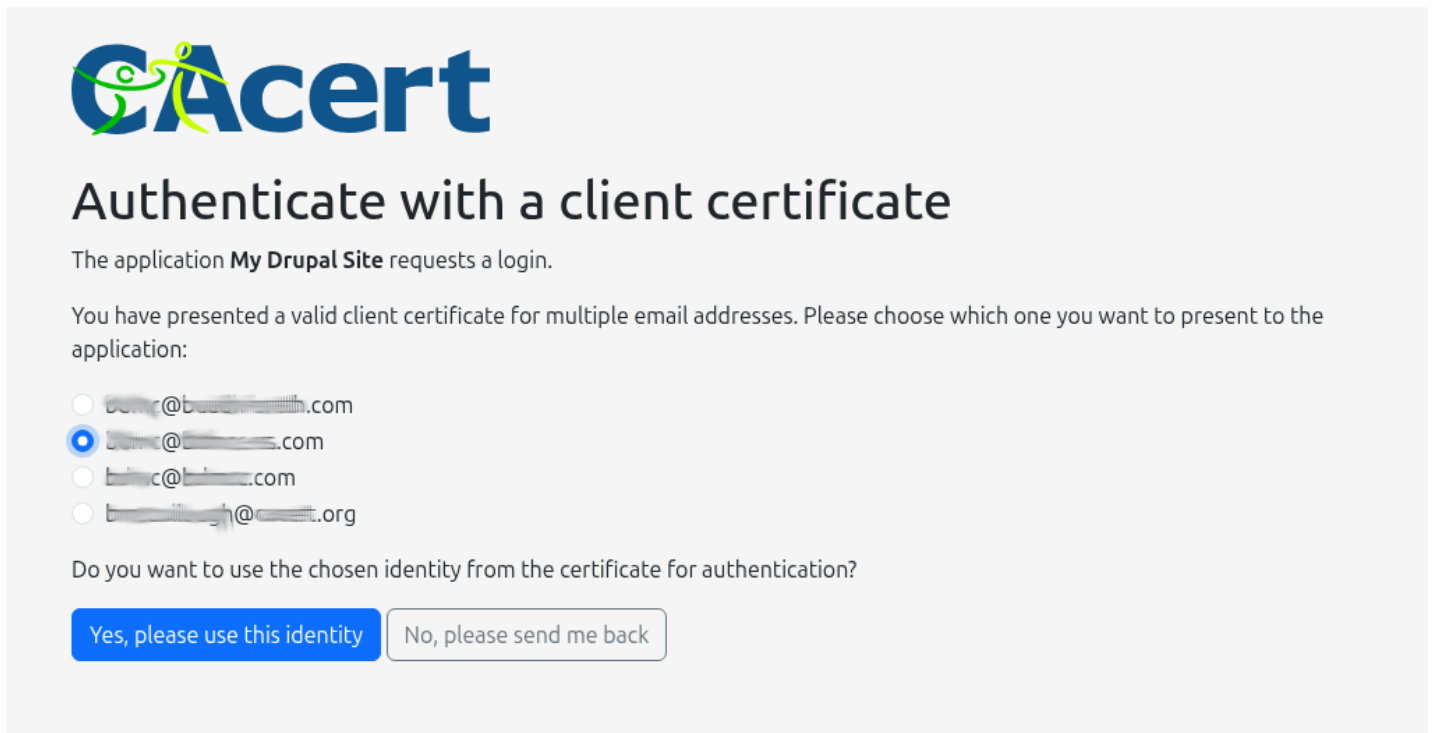
Enable Login with OAuth ☒ Note: Check this option to show SSO link on the Login page

Save Configuration

Click the "All Done!" Or "Save Configuration" button.

You will be taken to the next page, showing the "Test Configuration" button.

You should not need to change anything on this page. Just click "Test Configuration".



CACert

Authenticate with a client certificate

The application **My Drupal Site** requests a login.

You have presented a valid client certificate for multiple email addresses. Please choose which one you want to present to the application:

☐ ...@...com

☒ ...@...com

☐ ...c@...com

☐ ...@...org

Do you want to use the chosen identity from the certificate for authentication?

Yes, please use this identity No, please send me back

Select the e-mail address associated with your Drupal site.

And click "Yes, please use this identity."

The next CAcert page asks you to confirm that you want your Drupal site to have access to certain information associated with your certificate.



Application requests your consent

The **My Drupal Site** application requested your consent for the following set of permissions:

Request information about your identity.

Access your email address.

Access your user profile information (your name).

I hereby agree that the application may get the requested permissions.

Consent

Deny

If you are comfortable with this request, click "Consent."

If you have done everything correctly, you should be successful and you should see a green check mark.



Hello, @.com

Your Test Connection is successful. Now, follow the below steps to complete the last step of your configuration:

Please select the **Attribute Name** in which you are getting **Email ID**.

Email Attribute

email

▼

You can also map the Username attribute from the Attribute and Role Mapping tab in the module.

Click on the **Done** button to save your changes.

Done

ATTRIBUTES RECEIVED:

ATTRIBUTE NAME	ATTRIBUTE VALUE
acr	urn:ca:cert:1fa:cert
aud > 0	a6c  -a600-  -9a0b-  e908a
auth_time	1 
email	 @  .com

Below the green check mark, you will see a list of the various attributes that CAcert has sent to Drupal. Among those, you will see the E-Mail address and probably Name. Click Done, and you will be taken to the "Attribute Mapping" page.

CAcert OpenID Connect

Registration Examples Drupal 6/9

On the "Attribute Mapping" page you will see the following:

On the right-hand side, you will see a column named "Drupal Attributes" and to the right of that, OAuth Server Attributes.

Under those, you will see "Email:" and "Username:" in the Drupal column. In the OAuth column, "email" should be pre-selected, but you will have to set the appropriate item for the Username attribute. In the right-hand column, you will see a list of all of the attributes returned from the CAcert Server. In the Username dropdown, select the appropriate item. Both of these are required to complete your configuration.

Content
Structure
Appearance
Extend
Configuration
People
Reports
Help

Configure OAuth
Attribute & Role Mapping
Sign In Settings
Login Reports
Upgrade Plans

Status message

Configurations saved successfully. Please go to your Drupal site's login page where you will automatically find a login link :- **Log in using CAcertOpenIDConnect**

Attribute Mapping

^ Basic Attribute Mapping

Drupal Attributes

Email:

OAuth Server Attributes

Username:

Save Configuration

Attributes received from the OAuth Server:

ATTRIBUTE NAME	ATTRIBUTE VALUE
acr	urn:ca-cert:1:facert
aud > 0	600 400 500 600
auth_time	
email	@gmail.com

Clear Attribute List

NOTE : Please clear this list after configuring the module to

Below the Attribute Mapping section, there are many other items which may be configured, but are not necessary. Click "Save Configuration."

If you wish, you may click "Sign in Settings" in the top menu and you will see the following screen.

ContentStructureAppearanceExtendConfigurationPeopleReportsHelp

Home > Administration > Configuration > People

OAuth/OIDC Client Configuration

Request 7-days trial

☆

Configure OAuthAttribute & Role MappingSign In SettingsLogin ReportsUpgrade Plans

Debugging & Troubleshoot

☐ Enable Logging

Enabling this checkbox will add loggers under the [Reports](#) section

Save Configuration

Download Module Logs

^ Auto Create Users 🏆

☐ Check this option if you want to enable **auto creation** of users if user does not exist.

This feature provides you with an option to automatically create a user if the user is not already present in Drupal.

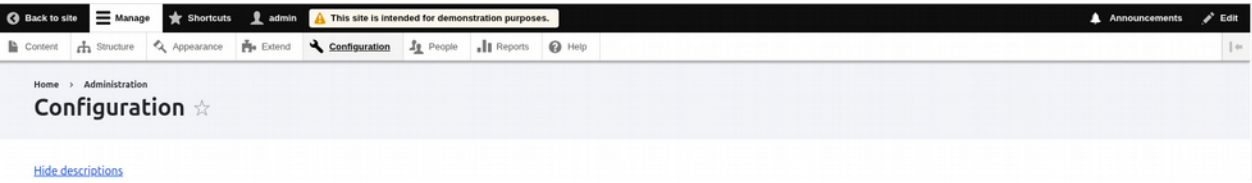
^ Page Restriction 🏆

☐ Protect website against anonymous access

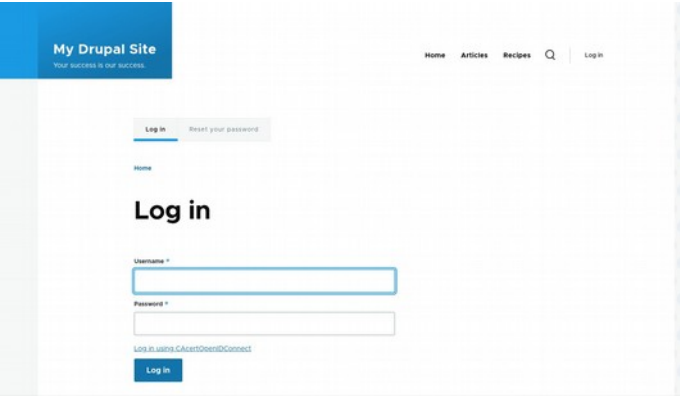
[\[What Is Page restriction and How to Set up\]](#)



If you wish to log all use of the OAuth Login option, you may check the first check box and Save. Click on the "Back to site" button at the top left corner of your screen



Log out, and you will see a new link under the traditional Login form.



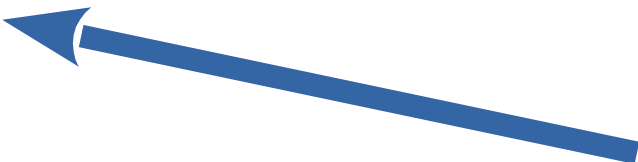
Here is a closer look:

Log in

Username *

Password *

[Log in using CAcertOpenIDConnect](#)



Click that new link, answer the questions about your CAcert Certificate and you should be logged in!

Notes regarding the miniOrange Contributed Module.

This module is free for anyone, but has a couple of notable restrictions. Those restrictions are lifted with the subscription (paid) version of this module.

1. First, only one OAuth service can be configured at a time.
2. Secondly, only existing users of the site may use OAuth Login. Another use case that people may desire is for new, authenticated users be automatically added to the Drupal site. This is not allowed with the free version.

Notes regarding the provider of this free service

CAcert.org is the leading free certificate authority. In addition to OpenID Connect, it offers X.502 certificates for more security on the Internet. The tasks are taken over by volunteers within the framework of the CAcert community; the operating costs are covered by donations.

First of all, CAcert is not a service provider or a company, but a community. We are all in the same boat. We can only achieve our goals together, with you, the cooperation of all of us (of all users=members). If you want to help, take a look here: <https://wiki.cacert.org/engagement>

If you are happy with the new functions of **CAcert OpenID Connect for Drupal**, done by our volunteers, please consider to donate: **Donations** IBAN CH02 0077 4010 3947 4420 0 (one-time or small amounts on a regular basis).

CAcert Inc (association), Clos Belmont 2, 1208 Geneva, Switzerland, www.cacert.org

CAcert OpenID Connect

Registration Examples **Drupal**

Edition 2025v2 (First edition 2025v1, content unchanged)

Author: Brian McCullough

Assistance: Etienne Ruedin

CAcert OpenID Connect Project Team: Brian McCullough, Dirk Astrath, Jan DD

Rights: This document is available under a CC-BY-SA-NC creative commons licence. This license enables reusers to distribute, remix, adapt, and build upon the material in any medium or format for noncommercial purposes only, and only so long as attribution is given to the creator. If you remix, adapt, or build upon the material, you must license the modified material under identical terms.

Suggested citation: CAcert OpenID Connect Registration Examples Drupal by Volunteers of CAcert.org, 2025.