

GitLab OAuth Plugin

About GitLab Authentication Plugin

The GitLab Authentication Plugin provides a means of using GitLab for authentication and authorization to secure Jenkins. GitLab Enterprise is also supported.

Plugin Information

View Gitlab Authentication [on the plugin site](#) for more information.



The current version of this plugin may not be safe to use. Please review the following warnings before use:

- [HTTP session fixation vulnerability](#)
- [Open redirect vulnerability](#)

On this page:

Setup

Before configuring the plugin you must create a GitLab application registration. In the Scopes section mark **api**.



the authorization callback URL takes a specific value. It must be <http://myserver.example.com:8080/securityRealm/finishLogin> where myserver.example.com:8080 is the location of the Jenkins server.



The Client ID and the Client Secret will be used to configure the Jenkins Security Realm. Keep the page open to the application registration so this information can be copied to your Jenkins configuration.

Security Realm in Global Security

The security realm in Jenkins controls authentication (i.e. you are who you say you are). The GitLab Authentication Plugin provides a security realm to authenticate Jenkins users via GitLab OAuth.

1. In the Global Security configuration choose the Security Realm to be **GitLab Authentication Plugin**.
2. The settings to configure are: GitLab Web URI, GitLab API URI, Client ID, Client Secret, and OAuth Scope(s).
3. If you're using GitLab Enterprise then the API URI is <https://ghe.acme.com/api/v3>. The prefix "api/v3" will be completed by the plugin



In the plugin configuration pages each field has a little next to it. Click on it for help about the setting.

Open Tickets (bugs and feature requests)

T	Key	Summary	Assignee	Reporter	P
	JENKINS-60296	InvalidCacheLoadException when running GitLabAuthentication plugin	Mohamed El Habib	Kevin	
	JENKINS-58640	OAuth redirect url should be built from the root url	Mohamed El Habib	Giulio Ruggeri	
	JENKINS-58053	Original login page still accessible	Mohamed El Habib	John Jerry	
	JENKINS-55499	Jenkins can't display jobs view,my jenkins version 2.157	Unassigned	Kevin	
	JENKINS-55157	gitlab-oauth and api tokens with CSRF protection enabled	Mohamed El Habib	James Powis	
	JENKINS-54528	Gitlab Enterprise 11 API v3 group no longer supported	Mohamed El Habib	John Zheng	

	JENKINS-54096	The option of 'Use Gitlab repository permissions' is useless for Multi Branch Pipeline Jobs	Mohamed El Habib	kary wang	
	JENKINS-52876	gitlab-oauth breaks slaves auth	Mohamed El Habib	Iulian Surugiu	
	JENKINS-52573	Creating Jenkinsfile through blueocean for gitlab fails	Mohamed El Habib	Codrut Predoi	
	JENKINS-52129	CacheLoader returned null for key group/project	Mohamed El Habib	Kiwha Um	
	JENKINS-51034	Apply coding standards	Mario Steinitz	Mario Steinitz	
	JENKINS-50874	When access to gitlab URL fails, log the URL used	Mohamed El Habib	Pawel Veselov	
	JENKINS-50838	The plugin doesn't login anymore	Mohamed El Habib	Rafał Janicki	
	JENKINS-47097	This plugin breaks Jenkins CI component of Gitlab	Mohamed El Habib	Pedro Freitas	
	JENKINS-44489	Gitlab oauth plugin -logout link not working	Mohamed El Habib	Vadivel Natarajan	
	JENKINS-44121	[Gitlab auth] The requested scope is invalid, unknown, or malformed.	Mohamed El Habib	Mónica Boto	
	JENKINS-43360	Gitlab Authorization Fine-Graining	Mohamed El Habib	Mario Steinitz	
	JENKINS-39002	Can't request build with GitLab plugin	Mohamed El Habib	Oleg Vavoluk	

18 issues

CHANGELOG

```
### 1.3
- 529f5b3(feature/JENKINS-47097) [JENKINS-47097] added support to login using gitlab private token
### 1.2
- 6f2f23c[JENKINS-44489] fixed findbug introduced by 987608a commit
- 987608a[JENKINS-44489] fixed logout when the plugin is configured to allow READ permission for Authenticated, but not Anonymous users.
- 4bdd977add jenkins file to build into ci.jenkins.io
### 1.1
- 10b9e65remove redundant NULL check
- e5ef748upgrade jenkins parent and dependencies versions
- 24a4014Merge pull request #8 from Wadeck/FIRE_AUTH_NO_MORE_REQ_REFLECTION
- d0ca105- with import it's better
- 37c73cdFireAuthenticated no more required reflection - as the core dependency is now set to 1.625.3
- 3aa706dMerge pull request #7 from artur-malinowski/develop
- 95d3e90Fixed IndexOutOfBoundsException when user has no group
### 1.0.9
- e0f3cbbMerge branch 'Shorang-master' into develop
- 7e5fe71Merge branch 'master' of https://github.com/Shorang/gitlab-oauth-plugin into Sorang-master
- 9e1768a[JENKINS-37741] Testing /project path ont allowGitlabWebHookPermission check
- 4ec3989added new path for gitlab-plugin's webhook using anonymous permission
### 1.0.8
- eladd18Merge branch 'wzxjohn-feature/permission_by_gitlab' into develop
- 8fcf450Finish permission by gitlab feature
### 1.0.7
- eb1f81bMerge branch 'wzxjohn-bugfix/login_fails' into develop
- 688b57fremove GitlabGroup.java copied from java-gitlab-api 1.2.6-SNAPSHOT, using released version 1.2.6
- 673e2edMerge branch 'bugfix/login_fails' of https://github.com/wzxjohn/gitlab-oauth-plugin into wxzjohn-bugfix/login_fails
- a69cc7fMerge pull request #3 from wxzjohn/enhance/license_issue
- 3b9ee86[JENKINS-37517] Fix login fails because of a GitLab Api Bug Use v1.2.6 of GitLab Api Client to fix this issue.
- 1c58f75[JENKINS-37518] Fix api url problem New GitLab Api Client will automatically add api/v3 so we do not need to add api/v3 in config. Maybe this config node can be delete in the future.
- 2930721Fix ERROR: Failed to load help file: Not Found when click the '?' beside "Grant READ permissions for /gitlab-webhook"
- 9c7285c[JENKINS-37049] License issue
### 1.0.6
### 1.0.5
- 87cb683Merge branch 'askannon-master' into develop
- 1a49f9cMerge branch 'master' of https://github.com/askannon/gitlab-oauth-plugin into askannon-master
- 5801ecbChange HttpClient configuration to drop usage of methods flagged as @deprecated
- 4d2ecf3Merge pull request #1 from Sorang/master
- 8ab78eb[JENKINS-36075]Gitlab oauth does not display in Security Realm
```