

GNU/Linux Administration - Feature #759

Setup LDAP Authentication for GitLab

02/28/2016 09:21 PM - Daniel Curtis

Status:	Closed	Start date:	02/28/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Authentication	Estimated time:	0.50 hour
Target version:	*nix	Spent time:	0.50 hour

Description

This is a guide on how to setup LDAP authentication for users on GitLab. The LDAP server is OpenLDAP on FreeBSD 9, but should work on any LDAP server.

Populate the LDAP Server

- Create the People Organizational Unit ldif file:

```
vi ~/people-ou.ldif
```

- And add the following:

```
dn: ou=People,dc=example,dc=com
objectclass: organizationalUnit
ou: People
```

- Import the People OU file into the server:

```
ldapadd -D "cn=Manager,dc=example,dc=com" -W -f ~/people-ou.ldif
```

- Create the bob user ldif file:

```
vi ~/bob.ldif
```

- And add the following:

```
dn: cn=Bob Guy,ou=People,dc=example,dc=com
cn: Bob Guy
givenname: Bob
initials: BG
mail: bob@example.com
objectclass: inetOrgPerson
objectclass: organizationalPerson
objectclass: person
sn: Guy
uid: bob
userpassword: {MD5}X03MO1qnZdYdgyfeuILPmQ==
```

- **NOTE:** The password for bob is **password**.

Setup LDAP Authentication

- Edit the gitlab config file:

```
vi /home/git/gitlab/config/gitlab.yml
```

- And modify the LDAP settings accordingly:

```
ldap:
  enabled: true
  servers:
    main: # 'main' is the GitLab 'provider ID' of this LDAP server
      label: 'LDAP Server'

      host: 'ldap.example.com'
      port: 389
      uid: 'uid'
      method: 'plain'
      bind_dn: 'cn=Manager,dc=example,dc=com'
      password: 'SuperSecretPassword'

      timeout: 10

      active_directory: false

      allow_username_or_email_login: true

      block_auto_created_users: false

      base: 'ou=People,dc=example,dc=com'

      user_filter: ''

      attributes:
        username: ['uid', 'userid', 'sAMAccountName']
        email:    ['mail', 'email', 'userPrincipalName']
        name:     'cn'
        first_name: 'givenName'
        last_name: 'sn'
```

- Restart gitlab for the settings to take effect:

```
sevice gitlab restart
```

- Switch to the git user and check the LDAP connection:

```
su - git
cd ~/gitlab
bundle exec rake gitlab:ldap:check RAILS_ENV=production
```

History

#1 - 02/28/2016 09:22 PM - Daniel Curtis

- Status changed from New to Resolved

- % Done changed from 0 to 100

#2 - 03/12/2016 02:15 PM - Daniel Curtis

- Category set to Authentication

#3 - 03/12/2016 02:15 PM - Daniel Curtis

- Status changed from Resolved to Closed