

## FreeBSD Administration - Feature #841

### Setup LDAP Authentication for Prosody

08/07/2016 07:17 PM - Daniel Curtis

<b>Status:</b>	Closed	<b>Start date:</b>	08/07/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Curtis	<b>% Done:</b>	100%
<b>Category:</b>	Directory Server	<b>Estimated time:</b>	0.50 hour
<b>Target version:</b>	FreeBSD 10	<b>Spent time:</b>	0.50 hour

#### Description

This is a guide on how to setup LDAP authentication for users with Prosody. The LDAP server is OpenLDAP on FreeBSD 9-10, but should work on any LDAP server.

### Prepare the Environment

- Install a couple dependencies:

```
pkg install mercurial portmaster
```

- Update the ports tree:

```
portsnap fetch extract
```

- Set the make.conf file to use Lua 5.1 at the default version to use while building:

```
echo "DEFAULT_VERSIONS+= lua=5.1" >> /etc/make.conf
```

- Install lualdap:

```
portmaster net/lualdap
```

### Install Prosody Modules

- Clone the prosody-module repo using mercurial:

```
cd /usr/local/etc/prosody
hg clone https://hg.prosody.im/prosody-modules/ prosody-modules
```

- Edit the prosody config:

```
vi /usr/local/etc/prosody/prosody.cfg.lua
```

- And add the prosody-modules path to the plugins definition:

```
plugin_paths = { "/usr/local/lib/prosody/modules", "/usr/local/etc/prosody/prosody-modules" }
```

- Restart prosody:

```
service prosody restart
```

## 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}X03M01qnZdYdgyfeuILPmQ==
```

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

## Setup LDAP Authentication

- Edit the ldap client config:

```
vi /usr/local/etc/openldap/ldap.conf
```

- And adjust the following values:

```
BASE    dc=example,dc=com
URI     ldap://ldap.example.com
```

- Edit the prosody config:

```
vi /usr/local/etc/prosody/prosody.cfg.lua
```

- And add the following values to the VirtualHost block:

```
VirtualHost "example.com"
    enabled = true

    authentication = "ldap"
    ldap_base = "ou=People,dc=example,dc=com"
    ldap_server = "ldap.example.com"
    ldap_rootdn = "cn=Manager,dc=example,dc=com"
    ldap_password = "SuperSecretPassword"
    ldap_filter: (mail=%U@example.com)

    ssl = {
        key = "/usr/local/etc/ssl/prosody.example.com.key";
        certificate = "/usr/local/etc/ssl/prosody.example.com.crt";
    }
```

## Resources

- [https://modules.prosody.im/mod\\_auth\\_ldap.html](https://modules.prosody.im/mod_auth_ldap.html)
- <https://blogs.mafia-server.net/nur-bahnhof/2013/12/prosody-authentication-ldapactivedirectory/>

## History

### #1 - 08/07/2016 07:56 PM - Daniel Curtis

- Subject changed from Setup LDAP Authentication for ownCloud to Setup LDAP Authentication for Prosody
- Status changed from New to In Progress
- % Done changed from 0 to 30

### #2 - 08/07/2016 10:21 PM - Daniel Curtis

- Description updated

### #3 - 08/10/2016 08:37 PM - Daniel Curtis

- % Done changed from 30 to 100
- Description updated
- Status changed from In Progress to Resolved

### #4 - 09/12/2016 07:29 PM - Daniel Curtis

- Status changed from Resolved to Closed