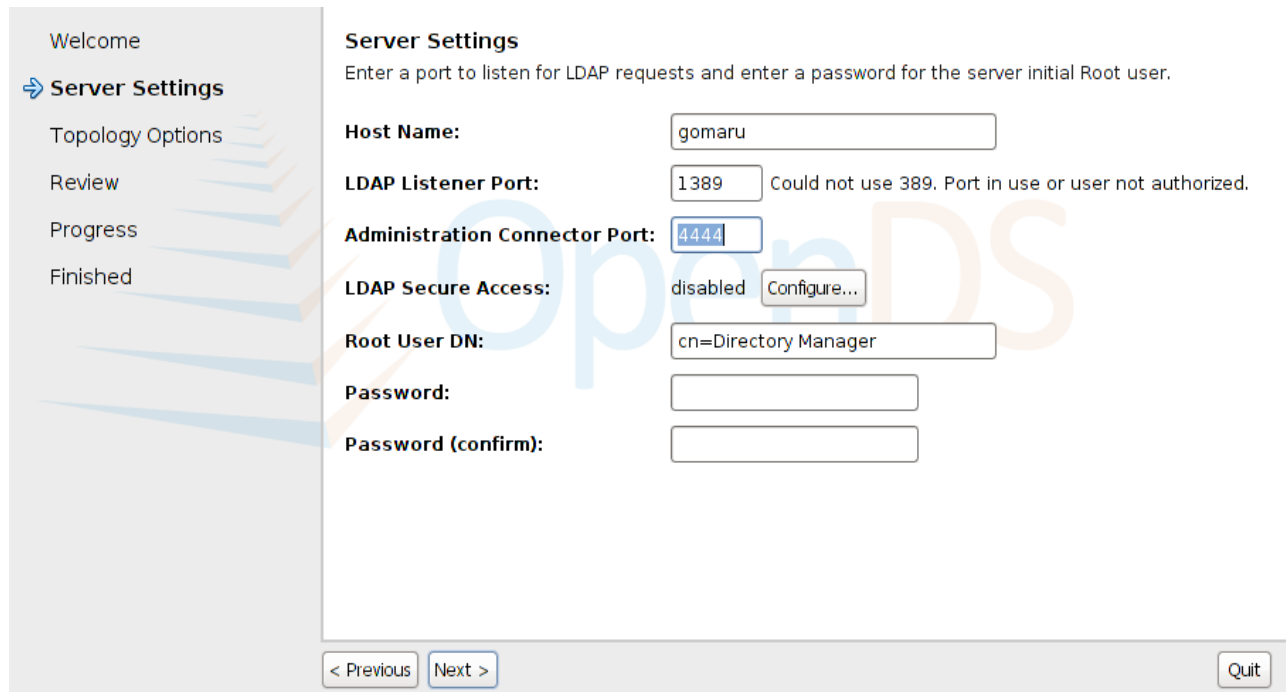# Configuring OpenDS LDAP for use with Merritt Sample Database

OpenDS Install

1. Download a compressed archive of OpenDS (current URL http://opends.java.net/public/downloads_index.html).

2. Extract OpenDS to the directory of your choice.

3. Copy the file *99-user.ldif* to the *config/schema/* directory inside extracted OpenDS files.

OpenDS Setup

1. Execute the script *setup* inside your extracted OpenDS files. (Note, be sure to keep track of the settings you use in this setup since you'll need the settings later.)

2. Click N*ext >* at the welcome screen.

3. Click the C*onfigure. . .* for LDAP Secure Access.

4. Enable SSL and set the other options according to your certificate choices. Click Ok.

Configure Secure Access
Specify the options for enabling secure access to the server.

SSL Access: ☑ Enable SSL on Port: `1636` Could not use 636. Port in use or user not authorized.

StartTLS Access: ☑ Enable StartTLS for LDAP

Certificate: ⦿ Generate Self-Signed Certificate (recommended for testing only)

○ Use an Existing Certificate:

Key Store Type: ○ Java Key Store (JKS) File

○ JCEKS File

○ PKCS#12 File

○ PKCS#11 Token

Key Store Path: [   ] Browse...

Key Store PIN: [   ]

OK Cancel

5. Finish configuring the server settings such as your password and click *Next >*.

Welcome

⇨ **Server Settings**

Topology Options

Review

Progress

Finished

Server Settings
Enter a port to listen for LDAP requests and enter a password for the server initial Root user.

Host Name: `gomaru`

LDAP Listener Port: `1389` Could not use 389. Port in use or user not authorized.

Administration Connector Port: `4444`

LDAP Secure Access: Enable StartTLS   Configure...
Enable SSL on LDAP Port 1636
Create a new Self-Signed Certificate

Root User DN: `cn=Directory Manager`

Password: `********`

Password (confirm): `********`

< Previous Next >   Quit

6. Choose your LDAP replication options and click *Next >*.

7. Change the value for the *Directory Base DN* to *ou=uc3,dc=cdlib,dc=org*. Choose the option to *Import Data from LDIF File*. Browse or enter the path to the *example.ldif* file.   Click *Next >*.

8. Review your settings and click *Finish*.

9. You will see a progress bar and text that show that all items were completed successfully.

10. You will see a final summary screen from which you can launch the OpenDS control panel if you wish. Click *Close*.

Starting, Stopping, Using the OpenDS Control Panel

- You may start the OpenDS server with the *bin/start-ds* script.

- You may stop the OpenDS server with the *bin/stop-ds* script.

- You may open the Control Panel with the *bin/control-panel* script.

LDAP Settings and the Merritt UI Code

- LDAP configuration settings are in the file *config/ldap.yml*.

- In the example ldap database, there are two users ("rjones" and "aschultze"). The password for both users is "testpass".

- After viewing the structure of the LDAP database, you may create your own modeled after it.

- You may edit the data stored in the LDAP database with the OpenDS Control Panel.

- You may wish to make a copy of the example.ldif file and then edit it to create your own starting data. You can then go through this setup process again and import your own starter data in step 7 instead of using the example data.

- Timezone value strings for the tzRegion field are the same as used in the TZInfo – Ruby Timezone Library (http://tzinfo.rubyforge.org/).