Configuring LDAP in Unibox

WiFi-Soft Solutions Pvt. Ltd.



LDAP Configuration Guide

1.Introduction

1.1 LDAP Admin Tool Features

Introduction LDAP (Lightweight Directory Access Protocol) functionality enables administrators to establish a single source for securely managing authentication for all users on the district network, including those using the Public Portal.

Note: This guide is specially done for OpenDJ server. You can refer and configure any Server.

1.2 Installation

Open DJ Server installation:

1.Download OpenDJ-3.0.0 to configure LDAP server and extract Zip file

2.Run command opendj /setup

OpenDJ	QuickSetup	S 🔶 🕅 🖂 3	:57 PM 🔱
0	 Welcome	Welcome	
	License	The OpenDJ QuickSetup tool will ask you for some basic server and data configuration settings and will get your server up and running quickly.	
	Server Settings	OpenD) requires a Java SE 7.0 or higher runtime.	
	Topology Options	Additional information on QuickSetup is available on the OpenDI documentation site.	
	Runtime Options		
	Review		
	Progress		
	Finished		
<u>>-</u>			
A			
$\textcircled{\begin{tabular}{ c c } \hline \hline$			
S			
2			
		Next >	Quit

3.Click on Next Button

OpenDJ	QuickSetup	S 😤 🖬 🛛	🛛 3:58 РМ 🔱
	Welcome	License	-
	🕹 License	Please read the following License Agreement. You must accept the terms of the agreement before continuing with the installation.	
E.	Server Settings	READ THIS SOFTWARE LICENSE AGREEMENT CAREFULLY. BY DOWINLOADING OR INSTALLING THE FORGEROCK SOFTWARE, YOU, ON BEHALF OF YOURSELF AND YOUR COMPANY, AGREE TO	Î
	Topology Options	BE BOUND BY THIS SOFTWARE LICENSE AGREEMENT. IF YOU DO NOT AGREE TO THESE TERMS, DO NOT DOWNLOAD OR INSTALL THE FORGEROCK SOFTWARE.	
9	Runtime Options	1. Software License.	=
	Review	1.1. Development Right to Use. If Company intends to or does use the ForgeRock Software only for the purpose(s) of developing, testing, prototyping and	
	Progress	demonstrating its application software, then ForgeRock hereby grants Company a nonexclusive, nontransferable, limited license to use the ForgeRock Software	J
	Finished	only for those purposes, solely at Company's facilities and only in a non-production environment. ForgeRock may audit Company's use of the ForgeRock	
		written notice to Commin that a production incerse is not require dupon reasonable written notice to Company. If Company intends to use the ForgeRock Software in a live environment. Company must purchase a production license and may only use	
		the ForgeRock Software licensed thereunder in accordance with the terms and conditions of that subscription agreement.	
		1.2. Restrictions. Except as expressly set forth in this ForgeRock Software License Agreement (the "Agreement"). Company shall not, directly or indirectly:	
		(a) sublicense, resell, rent, lease, distribute or otherwise transfer rights or usage in the ForgeRock Software, including without limitation to Company	
		subsidiaries and affiliates; (b) remove or alter any copyright, trademark or proprietary notices in the ForgeRock Software; or (c) use the ForgeRock Software, he would reliable the ForgeRock Software; and the forgeRock contrast of the software software software software to the software s	
		in part, to a Copyleft License. As used herein, "Copyleft License" means a software license that requires that information necessary for reproducing and	
		modifying such software must be made available publicly to recipients of executable versions of such software (see, e.g., GNU General Public License and	
		nttp://www.gnu.org/copylett/).	
$\mathbf{\nabla}$		2.1. ForgeRock Intellectual Property. Title to and ownership of all copies of	
S		the ForgeRock Software whether in machine-readable (source, object code or other format) or printed form, and all related technical know-how and all whether the source of the source	
		applicable therein (including without imitation all intellectual property rights applicable thereto), belong to ForgeRock and its licensors and shall remain the	
		Click to accept	
		<previous next=""></previous>	Quit

4.Click to accept and select Next Button

OpenDJ	QuickSetup		S 🔶 🗐 🖂 3:5	8РМ ∰
6	Welcome	Server Settings		
	License	Enter a port to listen for LDAP reque	sts and enter a password for the server initial Root user.	
B	Server Settings	Fully Qualified Host Name:	wifi-soft	
	Topology Options	LDAP Listener Port:	1389 Could not use 389. Port in use or user not authorized.	
\mathbf{O}	Runtime Options	Administration Connector Port:	4444	
	Review	LDAP Secure Access:	disabled Configure	
	Progress	Boot Liser DN:		
	Finished	Root used bit.		
		Password:		
		Password (confirm):		
>_				
A				
\square				
S				
		<previous next=""></previous>		Quit
-				-

5.Define root user DN = "dc=unibox,dc=com" and set password.

6.Select Topology option for Data Replication

OpenDJ	QuickSetup	S 🗢 🔤 🗠 40	01РМ 🔱
0	Welcome	Topology Options	
	License	Choose the Data Replication Options.	
	Server Settings	This will be a stand alone server	
	 	This server will be part of a replication topology	
	Runtime Options	Replication Porce 1989 Conligure as secure	
	Review	Fully Qualified Host Name:	
	Progress	Administration Connector Port: 4444	
	Finished	Admin User: cn=Directory Manager	
, in the second		Admin Password:	
▶_			
A			
\square			
S			
O			
		<previous next=""></previous>	Quit
		<previous next=""></previous>	Quit

7.Click on Next Button

OpenDJ	QuickSetup		S 🔶 🔝 🖂 4:0.	зрм 🔱
	Welcome	Directory Data		
9	License	Choose options for the	e LDAP data to be hosted by the server.	
	Server Settings	Backend Type:	JE Backend 💌	
	Topology Options	Directory Base DN:	dc=QA, dc=com	
	Directory Data		Leave empty if you do not want to create a base DN.	
	Runtime Options	Directory Data:	Leave Database Empty Only Create Rase Entry (dc=0.4 dc=com)	
	Review		O Import Data from LDIF File	
	Progress		Path: Browse	
	Finished		O Import Automatically-Generated Sample Data	
			Number of User Entries: 2000	
<u>}-</u>				
A				
$\textcircled{\begin{tabular}{ c c } \hline \hline$				
S				
		< Previous Next >		Quit

8.Enter Directory Base DN = "dc=QA,dc=com".click on Next Button.

OpenD	J QuickSetup		<mark>S</mark> 🔶 En, 🖂 4:	04 PM 🔱
0	Welcome	Runtime Options		
	License	Specify the runtime options that the Java virtual machine will use	to run the server and the import tool.	
III.	Server Settings	Server Runtime Settings: Use Default	Change	
	Topology Options	Import Runtime Settings: Use Default	Change	
	Directory Data			
	Runtime Options			
	Review			
	Progress			
, Receiption of the second sec	Finished			
> _				
A				
S				
	4			
		<previous next=""></previous>		Quit

9.Click on Next Button

OpenDJ	QuickSetup			S 奈 Eng 🖂 4:04	₽М Ф
Ø	Welcome	Review			
	License	Review your settings and click Finish	if they are correct.	Show Summary	•
	Server Settings	Fully Qualified Host Name:	wifi-soft		
	Topology Options	LDAP Listener Port:	1389		
	Directory Data	Administration Connector Port:	4444		
		LDAP Secure Access:	disabled		
	Runtime Options	Root User DN:	dc=unibox,dc=com		
	 Review	Directory Data:	Backend Type: JE Backend		
	Progress		Base DN Data: Import Automatically-Generated Data (20 Entries)		
	Finished	Runtime Options:	Use Default		
<u>>-</u>					
S					
2		Start Server when Configuration	has Completed		
		< Previous Finish			Quit

10.Click on Finish Button.

OpenDJ	QuickSetup	S 😞 🔄 🖬 🖂 4:04 PM 🔱
0	Welcome	Progress
	License	Configuring Directory Server
	Server Settings	Cancel
	Topology Options	Details:
	Directory Data	See /tmp/opendj-setup-111303131386577130.log for a detailed log of this operation.
	Runtime Options	Configuring Directory Server
	Review	
	 Progress	
	Finished	
<u>>_</u>		
A		
S		
2		
		Close

you will get successfully installation final window

OpenDJ	QuickSetup	S 🔶 🗔 🖂 4:05 P	мψ
0	Welcome	Finished	
	License Server Settings	OpenDJ QuickSetup Completed Successfully. OpenDJ is now installed in /home/pramodt/opendj.	
	Topology Options Directory Data	The server is started. Visit the <u>OpenDI Administration Guide</u> for an overview of server management and configuration. To see server configuration status and to perform some basic administration tasks on the server, click Launch Control Panel. Note that you can launch this too Later using //opendergamod/topend/divicrontrol-panel	ы
0	Runtime Options Review	Launch Control Panel	
	Progress	Details: See /tmp/opendj-setup-111303131386577130.log for a detailed log of this operation.	
	⊊ rinisneo	Configuring Directory Server Done. Importing Automatically-Generated Data (20 Entries) Done. Starting Directory Server Done.	
S			
			Close

11.Login with defined credentials and Fill the user atrributes.

12	Vou	will	σet	follo	wing	details
14.	1 UU	VV 111	gui	10110	wing	uctans

OpenDJ	Control Panel - Manage Entries			🧕 🗢 🖬 🖂 4:10 PM 🔱
0	<u>Eite Entries View H</u> elp Base DN: dc=QA,dc=com 💌	Filter: Users	•	Apply
	▼ 🕞 dc=QA,dc=com ▼ 🛃 People	▲ uid=user.0, ou=People, do ✓ Only Show Attributes with \	c=QA,dc=com /alues	* Indicates Required Field
	Luser.1	First Name:	Aaccf	f
	Luces 2	Last Name: *	Amar	
	Luser.4	Common Name: *	AaccFAmar	
	Luser.5	User ID:	user.0	
		User Password:		
	Luser.9	Password (confirm):	***************************************	
	🚨 user.10 🚨 user.11	E-Mail:	user.0@maildomain.net	
	LUSEF.12	Telephone Number:	+1 685 622 6202	=
<u>}-</u>	Luser.14	Employee Number:	0	
	🚨 user.15 🚨 user.16	Street Address:	01251 Chestnut Street	
A	Luser.17	City/Locality:	Panama City	
	Luser.19	State:	DE	
		Postal Code:	50369	
		Mobile Number:	+1 010 154 3228	
A		Home Telephone Number:	+1 225 216 5900	
		Pager:	+1 779 041 6341	
S		Description:	This is the description for Aaccf Amar.	
		Address:	AaccEAmar\$01251 Chestnut Street\$Panama City. DE 50369	
		Delete Entry		Save Changes
	Number of Entries: 22			Close

e.g. Change user ID and set user password.

Save all changes.

Getting Started with Unibox.

2.1 Connecting to a LDAP Server

Login with Unibox 3.0 and goto Authentication>>External Services and click on LDAP menu button.When the application is started it will look like as following:



- Click on Add button from the main tool bar. The New LDAP Config wizard opens.
- Fill out the first wizard page:
- The "Name" field should contain a unique name for this connection, this can be anything.
- The "Host Address" field should contain the address of the system running the directory

instance (DNS name or IP Address of the machine. For example localhost or 127.0.0.1). Host address should be LDAP server address(Open DJ server IP address)

• The "Port" field should contain the port number on which the directory server is listening for client connections. In most cases it is 389 for non SSL connections and 636 for SSL

connections. If user want to use SSL, then user will also need to check the "Use SSL" check box.

- The "Description" field should contain the description of new LDAP configuration.
- The "Base DN" field can be as per defined in Open DJ server. However, user can enter a specific base DN.

- The "Filter" field should contain Semicolon seporated value's as per defined in communicated server.
- Select controller profile as per available in profile list.
- Click on Save button to save all configuration.

Important Note: While configuring LDAP server Consider following criteria.

- 1. Admin is able to create new LDAP configuration with same host and same controller profile but different Base DN.
- 2. Admin is not able to create new LDAP configuration with same host and same controller and same Base DN.
- **3.** Admin is not able to create new LDAP configuration with same base DN and same controller profile but different Host address.
- 4. Admin is able to create new LDAP configuration with same base DN and same Host address but different controller profile.
- 5. Admin is able to create new LDAP configuration with same base DN and different controller profile and different Host address

Set the portal of LDAP from Portal Section and Login with LDAP Username and Password.



User will get login successfully window and will listed in Unibox Users list as a LDAP user.

