# Configuring LDAP Authentication for HPE OBR



For the Windows® and Linux Operation System

Software Version 10.00

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## Introduction

This document provides the steps to configure Lightweight Directory Access Protocol (LDAP) authentication for OBR users to access HPE Operations Bridge Reporter (OBR) reports and Administration Console.

## Supported Directory servers for LDAP

Following is the list of directory servers that support LDAP authentication:

- IMB Tivoli Directory Server 6.2
- IMB Tivoli Directory Server 6.3
- Microsoft Active Directory 2008
- Microsoft Active Directory 2008 R2
- Microsoft Active Directory 2012 and 2012 R2<sup>1</sup>
- Novell eDirectory 8.8
- Oracle Internet Directory 10gR3
- Oracle Internet Directory 11gR1 and 11gR2<sup>2</sup>
- Sun Java System Directory Server Enterprise 6.3

### Limitations for LDAP Authentication against Microsoft Active Directory

The following points are applicable if LDAP is configured against Active Directory (AD):

- The AD users who are members of default groups only will not be able to log on successfully. Users must also be a member of another explicitly created group in AD also, this group must be mapped. For example: the "domain users" group.
- If a mapped domain local group contains a user from a different domain in the forest, the user from a different domain in the forest will not be able to log in successfully.
- Users from a universal group from a domain different than the DC specified as the LDAP host will not be able to log in successfully.
- You cannot use the LDAP plug-in to map users and groups from AD forests outside the forest where the BI platform is installed.
- You cannot map in the Domain Users group in AD.
- You cannot map a machine local group.

<sup>1</sup> Active Directory 2012 R2 is supported by reference to 2012. <sup>2</sup> Oracle Internet Directory 11gR2 is supported by reference to 11gR1.

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## **Configuring LDAP for OBR**

Perform the following steps to configure HPE OBR with LDAP Authentication:

1. Log on to Central Management Console (CMC) as Administrator with Enterprise authentication. Click Log On.

Hewlett Packard Enterprise	Operations Bridge Re	porter
Central Management	Console	
Enter your user informat If you are unsure of your a	ion, and click "Log On". ccount information, contact your system administrate	or.
System:	shrbatlinbo:6400	
User Name:	administrator	
Password:	•••••	
Authentication:	Enterprise •	
Help	Log On	

2. Click Authentication.



3. Click LDAP.

#### **Central Management Console**



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The following screen appears. Click Start LDAP Configuration Wizard.

LDAP
LDAP has not yet been configured.
The LDAP Configuration Wizard will lead you through the steps required to set up LDAP Authentication.

Start LDAP Configuration Wizard

4. Type the LDAP host and port in the format hostname:port. The default port is 389. Click Add and then click Next.

LDAP	
Please enter the LDAP hosts you are using.	
Add LDAP Host (hostname:port):	Add
IWFVM02302.SHRQA.com:389	Delete
Next > Finish Cancel	

 Select the LDAP Serve Type as Microsoft Active Directory Application Server from the drop-down list. Click Next.

LDAP	
Choose the type of the LDAP directory you are using. You can custo	mize the server parameters if required.
LDAP Server Type: Microsoft Active Directory App	Show Attribute Mappings
< Previous Next > Finish Cancel	

6. Type Base LDAP Distinguish Name and click Next.

LDAP					
Please enter the base LDAP distinguished name that you would like to use.					
Base LDAP Distinguished Name: DC=	=shrqa,DC=com	< Previous	Next >	Finish	Cancel

- 7. Type the LDAP Server Administration Credentials as follows:
  - Distinguished Name: <LDAP Distinguished Name>
  - Password: <LDAP password>
  - o Click Next.

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LDAP	
Please enter the crede	ntials required by the LDAP hosts. ation Credentials
Distinguished Name:	CN=Administrator,CN=Users,DC=sh
Password:	•••••
LDAP Referral Credent	ials
Distinguished Name:	
Password:	
Maximum Referral Ho	ps: 0
< Previous Next >	Finish Cancel
	ntiaction dran down list coloct <b>Decis</b> (n

8. In Type of SSL Authentication drop-down list select **Basic (no SSL)** and click **Next**.

LDAP	
Please choose the type of Secure Sockets Layer (SSL) authentication use	ed by the LDAP hosts.
Type of SSL authentication: Basic (no SSL)	
<pre>&lt; Previous Next &gt; Finish Cancel</pre>	
In Authentication, select Basic (no SSO). Click Next.	
LDAP	
Please choose a method of LDAP single sign-on authentication.	
Authentication: Basic (no SSO)	

10. Select the options as shown in the following image and click Finish.

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< Previous Next > Finish Cancel

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9.



Please configure how new LDAP users and aliases are created by SAP BusinessObjects Business Intelligence Platform.

#### New Alias Options

- Assign each added LDAP alias to an account with the same name
- Create a new account for each added LDAP alias

#### Alias Update Options

- Create new aliases when the Alias Update occurs
- Create new aliases only when a user logs on

#### New User Options

- New users are created as named users
- New users are created as concurrent users

< Previous Next > Finish Cancel

11. Ensure that the **LDAP Authentication is enabled** check box is selected. In Mapped LDAP Member Groups type the LDAP Group and click **Add**.

LDAP			
✓ LDAP Authentication is enabled			
Synchronize Data Source Credentials with  Enable and update user's Data Source Cred	Log On lentials at logon time		
LDAP Server Configuration Summary			
To change a setting, click on the value to start	the LDAP Configuration Wizard.		
LDAP Hosts:	IWFVM02302.SHRQA.com:389		
LDAP Server Type:	Microsoft Active Directory Application Server		
Base LDAP Distinguished Name:	DC=shrqa,DC=com		
LDAP Server Administration Distinguished Name	e: CN=Administrator,CN=Users,DC=shrqa,D	C=com	
LDAP Referral Distinguished Name:			
Maximum Referral Hops:	0		
SSL Type:	Basic (no SSL)		
Single Sign-On Type:	None		
Mannad LDAD Mombor Crouns			
Mapped LDAP Member Groups			
Add LDAP Group (by cn or dn):		Add	
secLDAP:cn=obr_admins, cn=users, dc=shrqa,	, dc=com	Delete	
secLDAP:cn=domain users, cn=users, dc=shrq	a, dc=com		

12. Review the selections made as shown in the following image and click Schedule.

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LDAP
LDAP alias options
Schedule user's LDAP alias updates
Schedule regular updates of LDAP aliases for users. <i>Note that this will also update the groups.</i>
Schedule Cancel Scheduled Updates
Last Scheduled Update: There is no record of a previous update attempt. Next Scheduled Update: User alias update (including roles) has not been scheduled.
New Alias Options
ullet Assign each added LDAP alias to an account with the same name
$\bigcirc$ Create a new account for each added LDAP alias
Alias Update Options
<ul> <li>Create new aliases when the Alias Update occurs</li> </ul>
<ul> <li>Create new aliases only when a user logs on</li> </ul>
New User Options
<ul> <li>New users are created as named users</li> </ul>
<ul> <li>New users are created as concurrent users</li> </ul>
Attribute Binding Options
Import Full Name, Email Address and other attributes
$1 \vee$ Set priority of LDAP attribute binding relative to other attribute bindings

13. Select the On-demand LDAP Update as shown in the following image and click Update to complete the integration.

Schedule User's LDAP Group Updates Schedule regular updates of LDAP groups for users.
Schedule Cancel Scheduled Updates
Last Scheduled Update: There is no record of a previous update attempt. Next Scheduled Update: Roles update has not been scheduled.
<ul> <li>On-Demand LDAP Update</li> <li>Update LDAP user groups now</li> <li>Update LDAP user groups and aliases now</li> <li>Do not update LDAP user groups and aliases now</li> </ul>
Jpdate Cancel

14. Assign required rights to users and groups to access folders/reports.

## **Enabling LDAP Authentication for SAP BusinessObjects BI** Launch pad

Perform the following steps on the SAP BusinessObjects server:

1. Go to the following location:

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**On Linux**: \$PMDB\_HOME/BOWebServer/webapps/BOE/WEB-INF/config/default **On Windows**: %PMDB\_HOME%\BOWebServer\webapps\BOE\WEB-INF\config\default

- 2. Copy the Bllaunchpad.properties file.
- 3. Paste the file following location:
  - On Linux: \$PMDB\_HOME/BOWebServer/webapps/BOE/WEB-INF/config/custom On Windows: %PMDB\_HOME%\BOWebServer\webapps\BOE\WEB-INF\config\custom
- 4. Open the Bllaunchpad.properties file and add/edit the following values:
  - a. authentication.default=secLDAP
    - **Note**: Setting this option is optional. This value will set the Authentication Type as LDAP in the SAP BusinessObjects BI Launch pad log on page.
  - b. authentication.visible=true
- 5. Stop and start the SAPBOBJEnterpriseXI40 service as follows:

### On Linux:

- a. Go the directory /etc/init.d/.
- b. Run the following commands:
  - i. service SAPBOBJEnterpriseXI40 stop
  - ii. service SAPBOBJEnterpriseXI40 start

### On Windows:

- a. Go to Start > Run, type services.msc
- b. Right-click Business Objects Webserver service and click **Stop**. Wait for the service to stop.
- c. Right-click Business Objects Webserver service and click Start.

6. Log on to Central Management Console.

7. From the drop-down list select **Servers**.

Obl. Come     Welcome: Administrator   Petersons   4       Central	FINHO . ILOG O
Durit         Policy           Policy	
Harange Index Stability Index Stabilit	
Docision Instruct Marging Water Version Water Ver	
Instance Kanager Journer Kanager Mikhtropy OUC Corrections Parsonal Alarson Parsonal Alarson Parsonal Alarson Parsonal Falders Devry Kassis Ragitation Labor Calegoins	
Loome trips Maritania Maritania QAP Consection Ausourd Departs Narsaul Charges Narsaul Advers Narsaul A	
Andermoning AULC Conception Personal Chegosies Personal Chegosi	
Outcorrections         Organize         Define         Manage           Anson of Adviss         Folders         Folders         Manage           Anson of Adviss         Folders         Extense Kenager           Institute         Folders         Extense Kenager           Institute         Folders         Extense Kenager           Sectors         Extense Kenager         Sectors           Extense         Extense Kenager         Sectors	
Naroad Dispose         Organize         Organize         Define         Hanage           Ansoad Dispose         Totorion Management         Enders         Enders         Bottorion Management           Devry Masking         Prenoval Fladers         Enderds         Apploation           Based Dispose         Enderds         Enderds         Service           Market Dispose         Enderds         Enderds         Enderds           Market Dispose         Enderds         Enderds         Enderds	
Tels al robers     Folder     Acres levels     If Induce Konager       Table     Tels al robers     Acres levels     Acres levels       Dave Jeach     Terson Folders     Calendars     Apploatons       Sectors     Comparis     Evels     Sectors       Sectors     Pascol Categories     Inter Albohar Management     Acres Albohar Management       Sectors     Pascol Categories     Inter Albohar Management     Advertic John       Sectors     Inter Albohar Management     Advertic John     Events       Sectors     Inter Albohar Management     Advertic John	
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Description         III         User Alt Soler Maragement         (a): Solarion           Setting:         Edit Users and Groups         (a): Advertication         Advertication           Terporting Storaget         (b): Advertication         (b): Advertication         (b): Advertication	
Settinga 👗 Users and Groups 🔷 Authentication Temporary Storage 😚 Institutes 💡 Userse Keys	
Temporary Storage (g. Profiles Publics Userse Keys	
🛄 blows 😵 Ponotio Naugement	
Servers	
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Contract of the second seco	
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8. Select Servers List from the left pane.

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Servers	•								Mieler	me: Administrator   Pre	fervec	set Help + 1 tog	108
sauge + Actions										Perd Table . •			
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B servers tat		Server Name *	State	Enabled	State	Kind	Host Nar Health	PED	Description	Date Hodified			
Camer Grouer List	9	06/LAdaptiveJob5erver	B RUTTERS	B Enabled		Job Server	shrbatin *	10006	Adaptive Job Server	Dec 2, 2015 12:29 AM			
Bernard	8	OER.Adiotve/trocessingServer	Running	B Enabled		Adaptive Processing 5	shrbatin .	19943	Adaptive Processing Server	Dec 2, 2015 12:30 AM			
all server croups	9	OER.CentralHanagementServer	& Running	B Enabled		Control Management	shrbatin 6	19707	Central Management Server	Dec 2, 2015 12:28 AM			
-S- Nodes	8	06F.ConnectorServer	Running	B Enabled		Connection Server	strbatin @	15857	Connection Server	Dec 2, 2015 12:29 AM			
Service Categories	9	OER.DashboardsCacheSenwr	& Running	Charles Enabled		Dashboards Carthe Se	shrbælin &	18878	Dashboards Cache Server	Dec 2, 2015 12:29 AM			
Convecturity Services	8	OER.DashboardsProcessingServe	A Rurring	B trubled		Dashboards Processin	shrbatin 4	10964	Dashboards Processing Server	Dec 2, 2015 12:29 AM			
Core Services	8	OBR.EVIITSIENIEF	Running	Enabled		Evert Server	strbatin •	18894	Event Server	Dec 2, 2015 12:28 AM			
Deta Federation Services	8	OER.3nputFileRepository	to nurring	Crabled		File Repository Server	shrbatin 4	18800	Input File Repository Server	Dec 2, 2015 12:28 AM			
R Instantion Management Corp.	8	OBR.OutputFileRepository	& RUTTER	(B triabled		File Repository Server	e ribetete	10897	Output File Republicity Server	Dec 2. 2015 12:29 AM			
- 10	9	06R.WebApplcatorContainerSer	Running	B Enabled		Adaptive Processing S	shrbatin 🖌	18915	Web Application Container Serve	Dec 2, 2015 12:30 AM			
- D	9	08A.WebInteRigenceProcessing5	B RAFFER	Enabled		Web Intelligence Proc	shrbatin .	10068	Web Intelligence Processing Ser	Dec 2, 2015 12:29 AM			

- 9. Select all the servers from the list in left pane
- 10. Click **Restart** icon to restart all the servers.

Central Management Con	sole		
Servers	¥		
Manage - Actions -			
	■ →   tə &		
Servers List	Server Name *	State	Enabled

11. Log on to SAP BusinessObjects BI Launch pad using LDAP credentials with Authentication type as LDAP.

**Note**: You may have to grant the required permissions to users/groups in CMC to refresh reports.

## **Enabling LDAP Authentication for OBR Administration Console**

Perform the following steps on the HPE OBR server:

- 1. Go to the follwoing location:
  - **On Linux**: \$PMDB\_HOME/ config.prp

**On Windows**: %PMDB\_HOME%\ config.prp

- 2. Open the config.prp file and edit the following value:
  - a. bo.authType=secLDAP
- 3. Stop and start the Administrator service as follows:
  - On Linux:
    - a. Go the directory /etc/init.d/
    - b. Run the following commands:
      - i. service HPE\_PMDB\_Platform\_Administrator stop
      - ii. service HPE\_PMDB\_Platform\_Administrator start
  - On Windows:
    - a. Go to Start > Run, type services.msc
    - Right-click HPE\_PMDB\_Platform\_Administrator and click Stop. Wait for the service to stop.
    - c. Right-click HPE\_PMDB\_Platform\_Administrator and click Start.
- From CMC add the LDAP user as a part of Administrators group.
   Note: If the LDAP user prefers to log on to the Administration Console using LDAP credentials, make sure that the LDAP user is included in the Administrators group in CMC.
- 5. Log on to Administration Console using the LDAP credentials.

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