

Configuring LDAP Authentication for HPE OBR

For the Windows® and Linux Operation System

Software Version 10.00

Table of Contents

Introduction	2
Supported Directory servers for LDAP	2
Limitations for LDAP Authentication against Microsoft Active Directory.....	2
Configuring LDAP for OBR.....	3
Enabling LDAP Authentication for SAP BusinessObjects BI Launch pad.....	7
Enabling LDAP Authentication for OBR Administration Console.....	9

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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 R2¹
- Novell eDirectory 8.8
- Oracle Internet Directory 10gR3
- Oracle Internet Directory 11gR1 and 11gR2²
- 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.

¹ Active Directory 2012 R2 is supported by reference to 2012.

² 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 Reporter

Central Management Console

Enter your user information, and click "Log On".
If you are unsure of your account information, contact your system administrator.

System:

User Name:

Password:

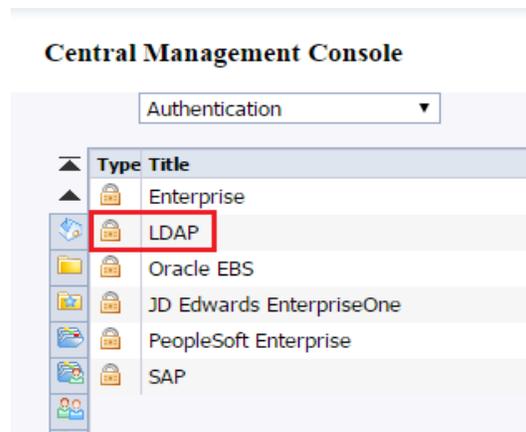
Authentication:

[Help](#)

2. Click **Authentication**.



3. Click **LDAP**.



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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](#)

[Delete](#)

[Next >](#) [Finish](#) [Cancel](#)

5. 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 customize the server parameters if required.

LDAP Server Type: [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: [< Previous](#) [Next >](#) [Finish](#) [Cancel](#)

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

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LDAP

Please enter the credentials required by the LDAP hosts.
LDAP Server Administration Credentials

Distinguished Name:

Password:

LDAP Referral Credentials

Distinguished Name:

Password:

Maximum Referral Hops:

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 used by the LDAP hosts.

Type of SSL authentication:

9. In Authentication, select **Basic (no SSO)**. Click **Next**.

LDAP

Please choose a method of LDAP single sign-on authentication.

Authentication:

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

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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 Log On
 Enable and update user's Data Source Credentials 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:	CN=Administrator,CN=Users,DC=shrqa,DC=com
LDAP Referral Distinguished Name:	" "
Maximum Referral Hops:	0
SSL Type:	Basic (no SSL)
Single Sign-On Type:	None

Mapped LDAP Member Groups

Add LDAP Group (by cn or dn):

secLDAP:cn=obr_admins, cn=users, dc=shrqa, dc=com	<input type="button" value="Delete"/>
secLDAP:cn=domain users, cn=users, dc=shrqa, 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.
Note that this will also update the groups.

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

- 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

Attribute Binding Options

Import Full Name, Email Address and other attributes

1 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.

On-Demand LDAP Update

- Update LDAP user groups now
- Update LDAP user groups and aliases now
- Do not update LDAP user groups and aliases now

Update 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:

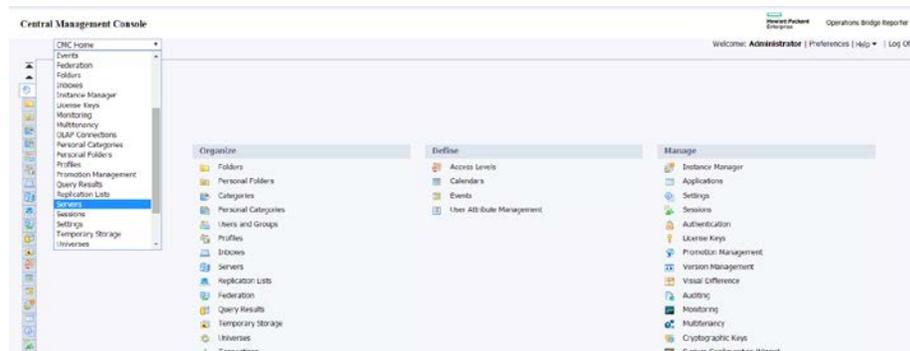
On Linux: \$PMDB_HOME/BOWebServer/webapps/BOE/WEB-INF/config/custom
On Windows: %PMDB_HOME%\BOWebServer\webapps\BOE\WEB-INF\config\custom
 4. Open the Bllaunchpad.properties file and add/edit the following values:
 - a. authentication.default=secLDAP
Note: Setting this option is optional. This value 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**.



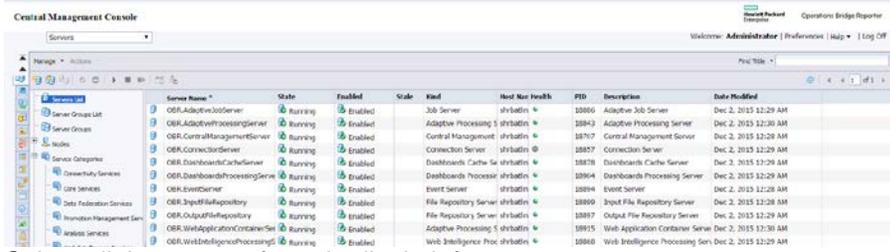
8. Select **Servers List** from the left pane.

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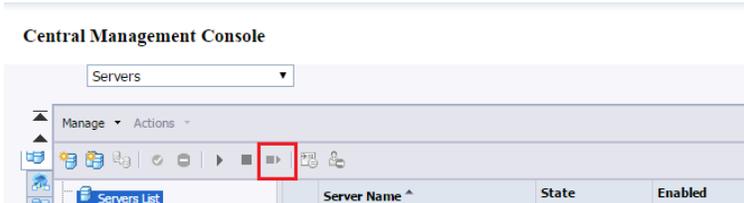
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9. Select all the servers from the list in left pane

10. Click **Restart** icon to restart all the servers.



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 following 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

b. 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**.

4. 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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