

## LDAP and XPression Maps

Lightweight directory access protocol (LDAP) is an open and cross-platform protocol that will help secure and authenticate the XPression Maps HTML5 application's user information ( user names, passwords, email addresses, account IDs, etc.)

★ Before you start configuring LDAP, consult with your IT department to get the information designated with the ★ symbol.

**To access and enable the Maps LDAP configuration file:**

1. Navigate to the **MapsLDAPConfig.exe** file on your computer.

Typically this file is located in **C:\XPressionMapsGateway\bin64**.

2. Double-click the **MapsLDAPConfig.exe** file to open the configuration dialog.

MapsLDAPConfig V1.0.0

File

☒ LDAP

Server

Domain: rossvideo.com

SSL: ☐

Port: 389

Bind User

User DN: XPNMapsLDAP

Password: [masked]

Connect

User Search

Username: [(cn=%1)(userPrincipalName=%1)(displayName=%1)]

Attributes: cn,userPrincipalName,memberOf

Membership Attr.: memberOf

Base DN: DC=rossvideo,DC=com

Misc

Display Name: displayName

Description: description

Test Login

Username: Ingrid Hughes

Password: [masked]

Save

*MapsLDAP Configuration File*

3. Select the **LDAP** checkbox to enable XPression Maps to use LDAP user authentication for user login.

## To configure the LDAP server parameters:

1. In the **Server** section, in the **Domain** field, enter the domain name that is appended to all users in your company, e.g., rossvideo.com.



Server

Domain:

SSL: ☐

Port:

### Server Properties

2. If you are using the **Secure Sockets Layer (SSL)** protocol, select the **SSL** checkbox and in the **Port** field, enter **636**.

**OR**

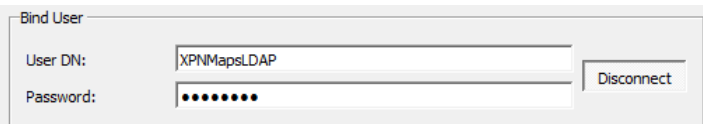
If you are not using the **SSL** protocol, leave the **SSL** checkbox clear and in the **Port** field, enter **389**.

★ These are the standard LDAP ports. A different port may be used if necessary. Consult with your IT department.

## To configure the Bind User parameters:

1. In the **User DN** field, enter the name of the administrative account which will be responsible for retrieving information from the LDAP server.

This is a **Read-Only** account.



Bind User

User DN:

Password:

Disconnect

### Bind User Properties

2. In the **Password** field, enter the password for this account.

★ Ask your IT department for the name of the administrative account and the password.

3. Then click **Connect**.

If the **Bind User** credentials are correct, you will see a message at the bottom of the window, saying "**BindUser Connected!**"

## To configure the User Search parameters:

1. From the **Username** drop-down, select the user identification attributes to use when searching for a specific HTML5 plugin user.

e.g., cn (Full Name), userPrincipalName, displayName

	LDAP Attribute	Description
2	<input checked="" type="checkbox"/> cn	Full Name
3	<input type="checkbox"/> givenName	First Name
4	<input type="checkbox"/> initials	Middle Name / Initials
5	<input type="checkbox"/> sn	Last Name
6	<input checked="" type="checkbox"/> userPrincipalName	Logon Name
7	<input type="checkbox"/> sAMAccountName	Logon Name (Pre Windows 2000)
8	<input checked="" type="checkbox"/> displayName	Display Name

*CN Search Filter Setup*

★ Consult with your IT department to determine which attributes should be used.

2. From the **Attributes** drop-down, select the user attributes you want to see in the results.

These should include all the attributes selected in the **CN Search Filter Setup**, but can also include others.

	LDAP Attribute	Description
1	<input type="checkbox"/> uid	User ID
2	<input checked="" type="checkbox"/> cn	Full Name
3	<input type="checkbox"/> givenName	First Name
4	<input type="checkbox"/> initials	Middle Name / Initials
5	<input type="checkbox"/> sn	Last Name
6	<input checked="" type="checkbox"/> userPrincipalName	Logon Name
7	<input type="checkbox"/> sAMAccountName	Logon Name (Pre Windows 2000)

*Attribute Filter Setup*

3. In the **Membership Attr** field, enter the group membership attribute used by your company (e.g., memberOf).

★ Consult with your IT department to determine what attribute to use.

★ This attribute must be one of the attributes selected in the **Attributes** field.

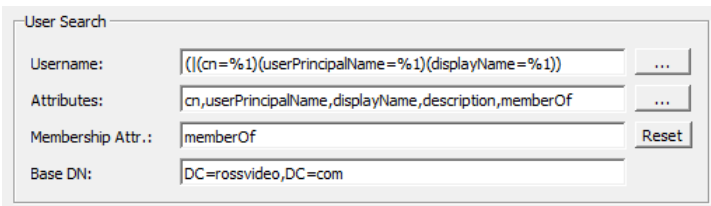
Clicking the **Reset** button restores the field to its default value.

4. In the **Base DN** field, enter the **Base Distinguished Name** of your LDAP directory.

The **Base Distinguished Name** (also known as the search base) identifies the root LDAP node in the directory, from which user searches are initiated.

e.g., DC=companyname, DC=com (where "DC" stands for "Domain Component") and OU=Canada and OU=IT (where "OU" stands for "Organizational Unit")

★ Ask your IT department for this information.



The 'User Search' dialog box contains the following fields and buttons:

- Username:** A text field containing the LDAP query: `((cn=%1)(userPrincipalName=%1)(displayName=%1))`. To the right is an ellipsis button (...).
- Attributes:** A text field containing: `cn,userPrincipalName,displayName,description,memberOf`. To the right is an ellipsis button (...).
- Membership Attr.:** A text field containing: `memberOf`. To the right is a 'Reset' button.
- Base DN:** A text field containing: `DC=rossvideo,DC=com`.

*Base DN Properties*

#### To configure the Miscellaneous section:

1. In the **Display Name** field, enter the attribute you want to see displayed when the user logs in to the application.

e.g., displayName, givenName, mail

★ This attribute must be one of the attributes selected in the **Attributes** field.

Clicking the **Reset** button restores the field to its default value.



The 'Misc' dialog box contains the following fields and buttons:

- Display Name:** A text field containing: `displayName`. To the right is a 'Reset' button.
- Description:** A text field containing: `description`. To the right is a 'Reset' button.

*Misc Properties*


2. The **Description** field is optional and doesn't impact any function.

Clicking the **Reset** button restores the field to its default value.

#### To configure the Test Login section:

1. In the **Username** field, enter your username, as defined in the **Username** attributes in the **User Search** section.

e.g., If you selected **(givenName=%1)** in the **Username** attributes, you would enter your full name here.



The 'Test Login' dialog box contains the following fields and buttons:

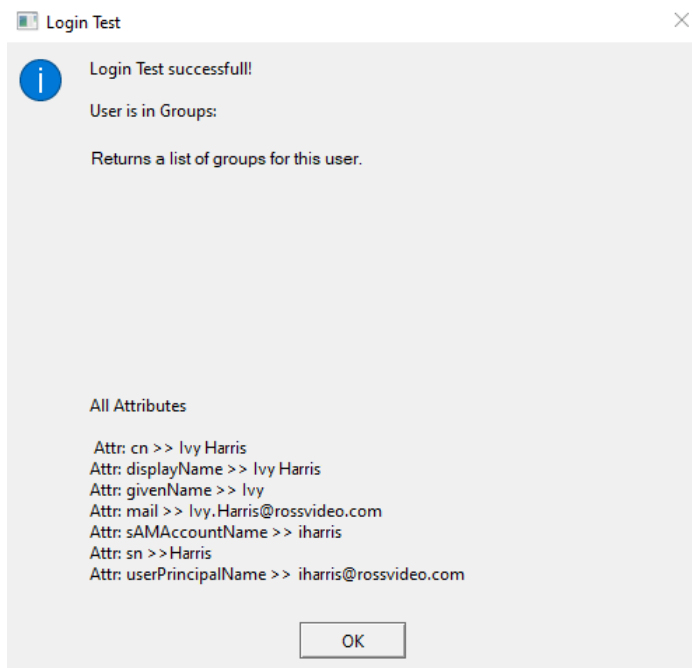
- Username:** A text field containing: `Ivy Harris`.
- Password:** A password field represented by a series of dots.
- Test:** A button to the right of the password field.

*Test Login Properties*

2. In the Password field, enter your usual company login password.

3. Click the **Test** button to check that the credentials you entered work.

If you have everything configured correctly, you will get a **Results** window indicating that the Login Test was successful and returning all the data you requested in the **Attributes** field.



#### *Successful Login Results*

If you have configured something incorrectly, you will get a **Login Test Failed** message. Review your configuration to make sure it is correct and re-test.

4. When you have achieved a successful login test, click **Save** and close the Maps LDAP Configuration file.