

Haihaisoft DRM-X 4.0 Customize Login Page Integration JSP Guide



Haihaisoft Limited

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Overview

After custom login page integration, your users just need to register and login on your own website. It will open your website's DRM login window when the user opens your protected content.

For the integration, you need to create a new custom login page or modify your existed login page. It requires some code work. But don't worry, very simple.

All that you need to do is to call the **getLicenseRemoteToTableWithVersion** function. You can get the details about DRM-X 4.0 XML Web Service interface by the link below:

<http://4.drm-x.com/haihaisoftLicenseservice.asmx>

What necessary before integration?

1. DRM-X 4.0 Account

You need to have a DRM-X 4.0 Premier, Business or Enterprise account before you can integrate with your platform. DRM-X 4.0 personal account users can manage its users on 4.drm-x.com instead.

Click the link below to see the DRM-X Account Comparison.

<http://www.drm-x.com/Fees-Compare-4.0.aspx>

2. User database, custom login page.

You should setup a database that can store your users' information if you want to integrate with DRM-X 4.0 platform. You also need to

create user custom login page for your users to login.

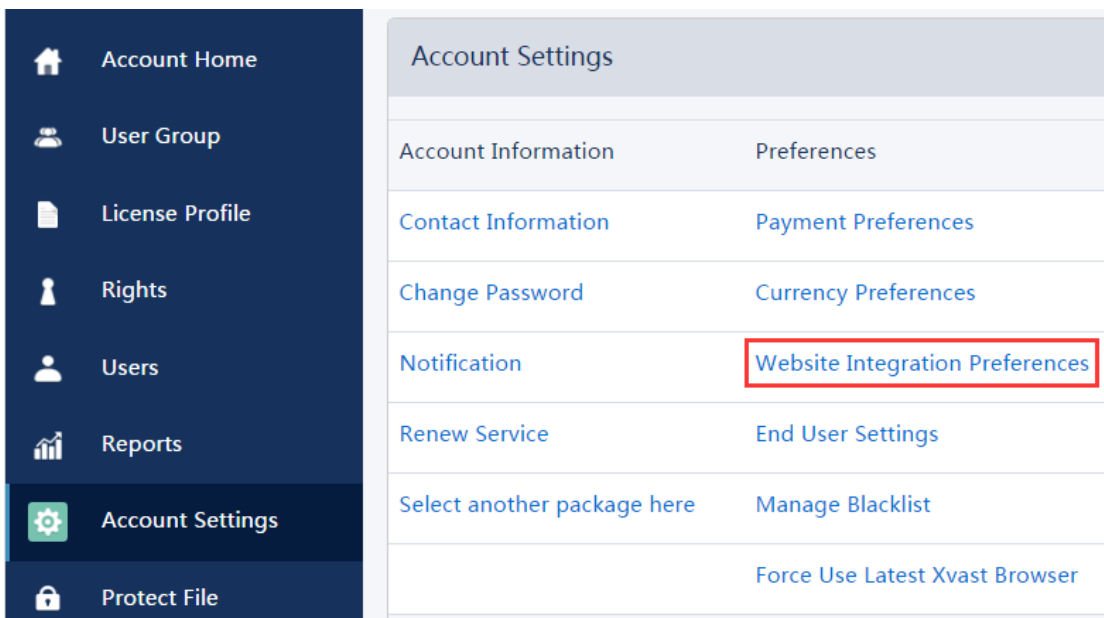
Parameter Introduction

The parameter in **blue color** is required field. You can set the others into 'N/A' (means empty) or enter the correct value.

- **AdminEmail**: your login Email of DRM-X 4.0 Account.
- **WebServiceAuthStr**: The Web Service Authenticate String for DRM-X 4.0 web service. The value you set here must be the same with the one on your DRM-X 4.0 account.

Steps to setup:

1. Login your DRM-X 4.0 account.
2. Click the **Account Settings** in the left panel and choose the **Website Integration Preferences**, as shown in the screenshot below:



3. Select **Custom login page integration** and enter the **Web Service Authenticate String**. As shown in the screenshot

below:

Profile - Website Integration Preferences

Integration Method: [Integration Help](#)

Synchronize user integration Custom login page integration

Note: Synchronize user integration is synchronize your website users to DRM-X.com your user. We protect the password with strong encryption. It's secure and easy. (Recommend for most users)
Custom login page integration is when user acquiring license, it will pop up your website DRM login window to acquire license. It requires you create a new DRM login page. It requires more code work. (Not Recommend, only for advanced users)

Please set a Web Service Authentication String for DRM-X web service (DRM-X need you provide this string to access DRM-X web service.)

123qwe

Please enter License URL(Must begin with http:// or https://) (License URL is the url used by pop window when acquiring license)

4. Click the **Submit** button below and you will get the message shown on the picture below:

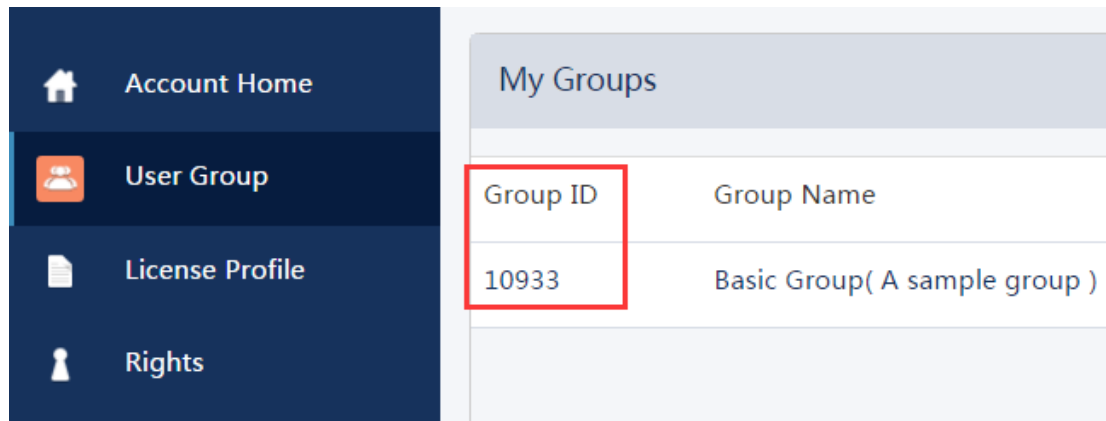
You have updated Website Integration Preferences successfully.

Profile - Website Integration Preferences

Integration Method: [Integration Help](#)

Synchronize user integration Custom login page integration

- **GroupID:** the ID of your Group created in your DRM-X 4.0 account. You can find GroupID value in Users Group of DRM-X 4.0 Account.



My Groups	
Group ID	Group Name
10933	Basic Group(A sample group)

Note: in the code you just need to enter one Group ID, and the users signed up on your website will be added into group directly. You can manually change the group they belong to in your DRM-X 4.0 account if you want.

- **UserLoginName**: the username or unique UserID in your user database.
- **UserFullName**: The Full Name of User. This parameter is option. You can leave this UserFullName parameter to blank, or just set it value to N/A.
- **ProfileID**: the ID of the license profile you create on DRM-X 4.0. DRM-X 4.0 provides this parameter.
- **ClientInfo**: the basic client information of your users. DRM-X 4.0 provides this parameter.
- **RightsID**: the ID of rights that you created in your DRM-X 4.0 Accounts. DRM-X 4.0 provides this parameter.
- **IP**: IP address of your user which acquire license. You must return user's correct IP address.
- **Platform**: the operating system of end user. DRM-X will return value: Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10, Mac or Android, and so on.
- **ContentType**: the type of protected content, DRM-X 4.0 will return Audio/Video or PDF.

- **Version:** Xvast browser version, DRM-X 4.0 provides this parameter.
- **yourproductid:** the ProductID in your system, please set it in License Profile.

Download Sample Code

You can download the sample pages by clicking the link below:

Standard integration code:

http://www.drm-x.com/download/DRM-X_4.0_Integration/DRM-X_4.0_Custom_Login_Page_Integration_JSP.zip

Step by Step Introduction

Step1. Open the login.jsp on which your user login or register.

Set cookies to store the value of profileid, clientinfo, rightsid, yourproductid, platform, contenttype, version, return_url. Shown the sample code below:

```
<%  
// When the user opens your protected content, DRM-X 4.0  
will provide the above value.  
    session.setAttribute("ProfileID", request.getParameter(  
"profileid"));  
    session.setAttribute("ClientInfo", request.getParameter(  
"clientinfo"));  
    session.setAttribute("Platform", request.getParameter(  
"platform"));  
    session.setAttribute("ContentType", request.getParamete  
r("contenttype"));  
    session.setAttribute("ProductID", request.getParameter(  
"yourproductid"));
```

```
session.setAttribute("RightsID", request.getParameter("rightsID"));
session.setAttribute("Version", request.getParameter("version"));
session.setAttribute("Return_URL", request.getParameter("return_url")); // get the path to the current encrypted file, must be written in the title tag in the licstore.jsp, when the license is obtained, Xvast will automatically open this URL.
%>
```

Step2. Add code into the login.jsp or licstore.jsp.

According to your needs, add the code to verify the user login information in this page and verify that the user has permission to open the encrypted file code. For example, after you check username & password, you may need to verify if user bought the product in your system, and then deliver license to user.

Step3. Add the code below into the licstore.jsp page.

Please create a new page named licstore.jsp (Must be named licstore.jsp) to call the [getLicenseRemoteToTableWithVersion](#) function.

Please refer to the sample code.

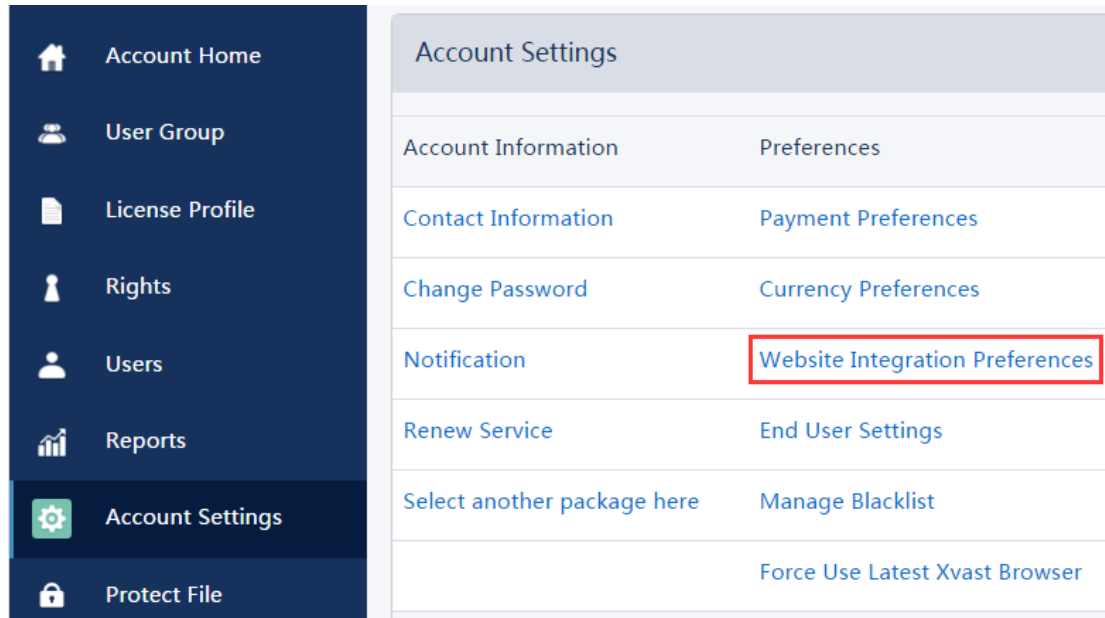
Step4. Set DRM-X 4.0 Website Integration Parameters.

So, it will pop up the login.jsp when your users open your protected files. You can customize the page styles to your own.

Steps to setup:

1. Login your [DRM-X 4.0 account](#).

2. Click the **Account Settings** in the left panel and choose the **Website Integration Preferences**, as shown in the screenshot below:



3. Select **Custom login page integration** and enter the URL of your customized page. As shown in the screenshot below:

Profile - Website Integration Preferences

Integration Method: [Integration Help](#)

Synchronize user integration Custom login page integration

Note: Synchronize user integration is synchronize your website users to DRM-X.com your user. We protect the password with strong encryption. It's secure and easy. (Recommend for most users)
Custom login page integration is when user acquiring license, it will pop up your website DRM login window to acquire license. It requires you create a new DRM login page. It requires more code work. (Not Recommend, only for advanced users)

Please set a Web Service Authentication String for DRM-X web service (DRM-X need you provide this string to access DRM-X web service.)

123456

Please enter License URL(Must begin with http:// or https://) (License URL is the url used by pop window when acquiring license)

http://192.168.1.137/integration_4/index.php

4. Click the **Submit** button below and you will get the message shown on the picture below:

You have updated Website Integration Preferences successfully.

Profile - Website Integration Preferences

Integration Method: [Integration Help](#)

Synchronize user integration Custom login page integration

Step5: Integration Error Messages

When you integrate DRM-X 4.0 with your website, it may return some error messages. You should write code check the returned error messages and displays the error messages properly to end users. It

will help you and your users identify the error easily. For example: Exceed Bind Number, License Profile doesn't exist, User Group doesn't exist, License Rights doesn't exist and Rights Expired.

1. Content Provider has insufficient funds in DRM-X 4.0 platform.
Message = "Your remain fund is not enough to pay monthly fee. Please add fund to your DRM-X account. For more information, please visit: <http://www.drm-x.com>"
License Return "ERROR:ADMIN_NO_MONEY"
2. The Rights have expired, the expiration date is less than the current date.
Message = "ERROR:RIGHTS EXPIRED"
License Return "No License"
3. Exceeded hardware combined number
Message = "Sorry, you can only acquire license in " & AllowBindNum & " computers. Please contact your content owner for details."
License Return "ERROR:EXCEED_BIND"
4. Common Returned Message
Message = "Webmaster doesn't have the User Group or you don't have permission to access this User Group. Please contact your webmaster for details."
Content provider doesn't have this user group, or you don't have permission to access to this User Group.

Message = "Webmaster doesn't have this Rights or you don't have permission to acquire this rights. Please contact your webmaster for details."
Content owner doesn't have this License Rights, or you don't have permission to acquire this Rights.

Message = "Webmaster hasn't encrypt this file or you don't have permission to acquire license. Please contact your webmaster for details."
Content owner hasn't encrypted this file (The License Profile does not exist), or you don't have permission to acquire this License Profile.
5. Website Integration Preferences error.
License Return "Your XML web service login info is not correct. Please check your AdminEmail and WebServiceAuthStr settings."

Step6. Integration FAQ tips.

Please don't upgrade Java in your web server before you test it locally. You have to ensure that your website and integration

code works in the latest Java environment. After you test it, then upgrade the same Java version in your web server.

Step7. Open your contents protected by DRM-X 4.0.

Congratulations! The integration has been done. When the users open your encrypted content, it will open the custom login page.

Expert support from Haihaisoft

If you still have problems with the integration,

Please feel free to contact us:

<http://www.haihaisoft.com/Contact.aspx>



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