

Haihaisoft DRM-X 3.0 Customize Login Page Integration (ASP.net C# 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 pop up your website DRM login window when the user opens your protected content.

For the integration, you need to create a new 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 **getLicenseRemoteToTable** function. You can get the details about DRM-X Web Service by the link: <http://3.drm-x.com/haihaisoftLicenseservice.aspx>

What necessary before integration?

1. DRM-X Account

You need to have a DRM-X Premier/ Business Windows/ Business Pro or Enterprise before you can integrate with your platform. DRM-X personal account users can manage it's users on DRM-X.com instead.

Click the link below to see the DRM-X Account Comparison, <http://www.drm-x.com/Fees-Compare-3.0.aspx>

2. User database, login page and register page.

You should setup a database that can store your users' information if you want to integrate with DRM-X platform. You also need to create user login page and register page for your users to login and register.

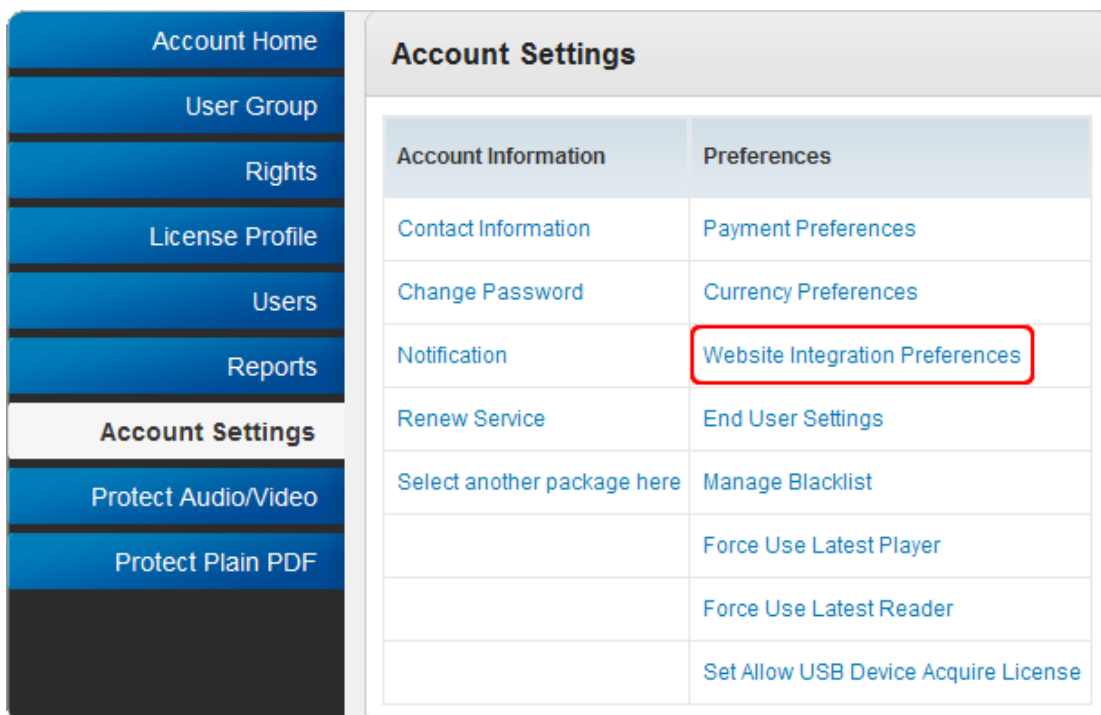
Parameter Introduction

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

Steps to setup:

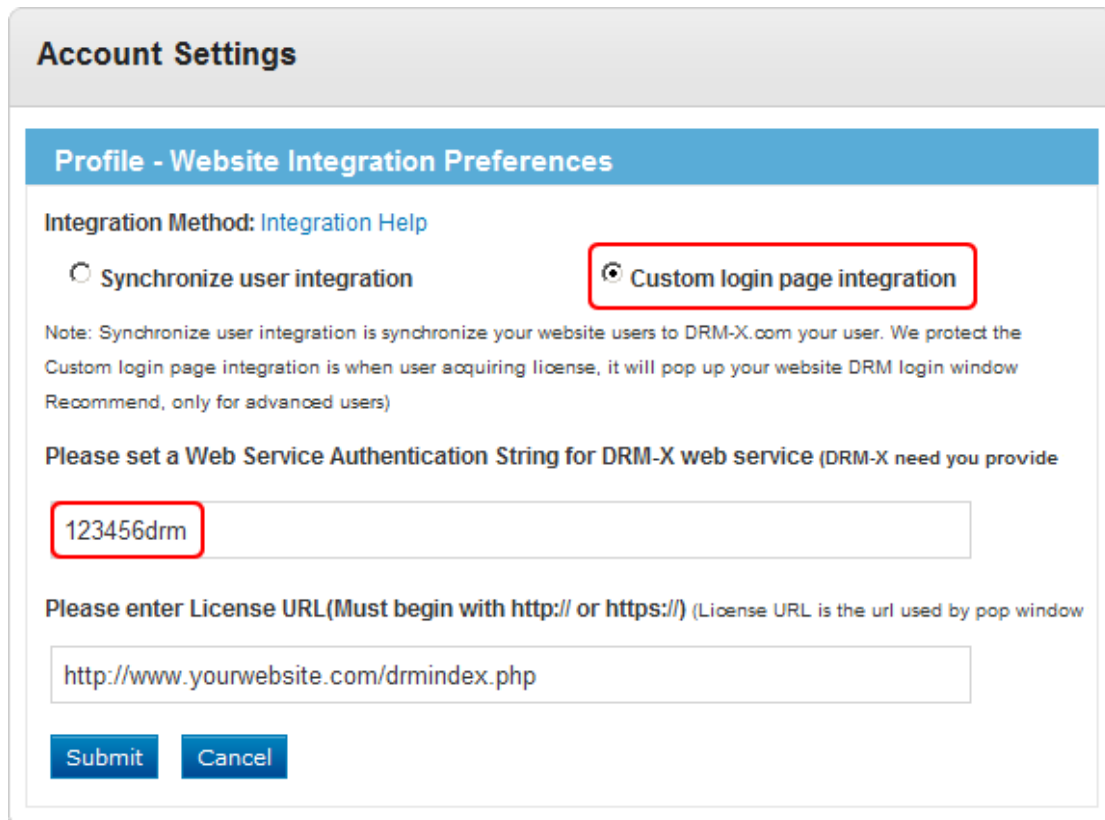
1. Login your DRM-X account.
2. Click the **Account Settings** in the left panel and choose the **Website Integration Preferences**, as shown in the screenshot below:



The screenshot displays the 'Account Settings' interface. On the left is a vertical navigation menu with the following items: Account Home, User Group, Rights, License Profile, Users, Reports, Account Settings (highlighted), Protect Audio/Video, and Protect Plain PDF. The main content area is titled 'Account Settings' and contains a table with two columns: 'Account Information' and 'Preferences'. The 'Preferences' column lists several options: Payment Preferences, Currency Preferences, Website Integration Preferences (highlighted with a red box), End User Settings, Manage Blacklist, Force Use Latest Player, Force Use Latest Reader, and Set Allow USB Device Acquire License.

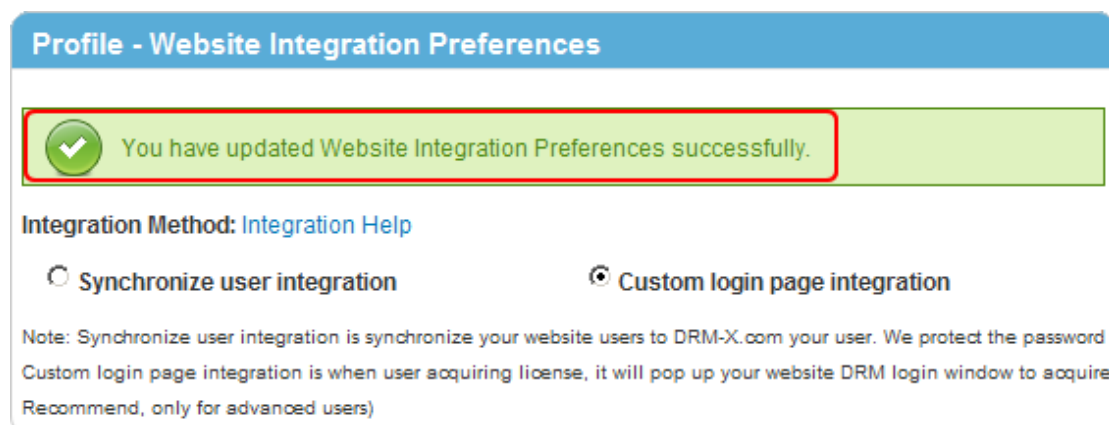
Account Information	Preferences
Contact Information	Payment Preferences
Change Password	Currency Preferences
Notification	Website Integration Preferences
Renew Service	End User Settings
Select another package here	Manage Blacklist
	Force Use Latest Player
	Force Use Latest Reader
	Set Allow USB Device Acquire License

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



The screenshot shows the 'Account Settings' page with a sub-section titled 'Profile - Website Integration Preferences'. Under 'Integration Method: Integration Help', there are two radio buttons: 'Synchronize user integration' and 'Custom login page integration'. The 'Custom login page integration' option is selected and highlighted with a red box. Below this, a note explains the difference between the two methods. A text input field for 'Web Service Authentication String' contains '123456drm' and is also highlighted with a red box. Another text input field for 'License URL' contains 'http://www.yourwebsite.com/drmindex.php'. At the bottom, there are 'Submit' and 'Cancel' buttons.

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



The screenshot shows the same 'Account Settings' page, but now a green success message is displayed at the top: 'You have updated Website Integration Preferences successfully.' The message is enclosed in a red box. Below the message, the 'Integration Method' section shows 'Custom login page integration' as the selected option. The rest of the form content is identical to the previous screenshot.

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



ID	Group Name	Group Users	Reports
267	Basic Group	Group Users	Reports
296	Video Group	Group Users	Reports
297	PDF Group	Group Users	Reports
298	Music Group	Group Users	Reports

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 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 profile you create on DRM-X. DRM-X provides this parameter.
- **ClientInfo**: the basic client information of your users. DRM-X provides this parameter.
- **RightsID**: the ID of rights that you created in your DRM-X Accounts. DRM-X provides this parameter.
- **IP**: address of your user which acquire license. You can provide this Parameter, or input N/A.

- **Platform:** the operating system of end user, DRM-X will return value: Windows 2000, Windows Server 2003, Windows XP, Windows Vista, Windows 7 or Mac.
- **ContentType:** the type of protected content, DRM-X will return Audio/Video or PDF.
- **yourproductid:** the ProductID in your system, please set it in License Profile.
- **Version:** Get HUPlayer/HPReader version.

[Download Sample Pages](#)

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

[http://www.drm-x.com/download/sample_code_3.0/Custom Login Page Integration C.zip](http://www.drm-x.com/download/sample_code_3.0/Custom_Login_Page_Integration_C.zip)

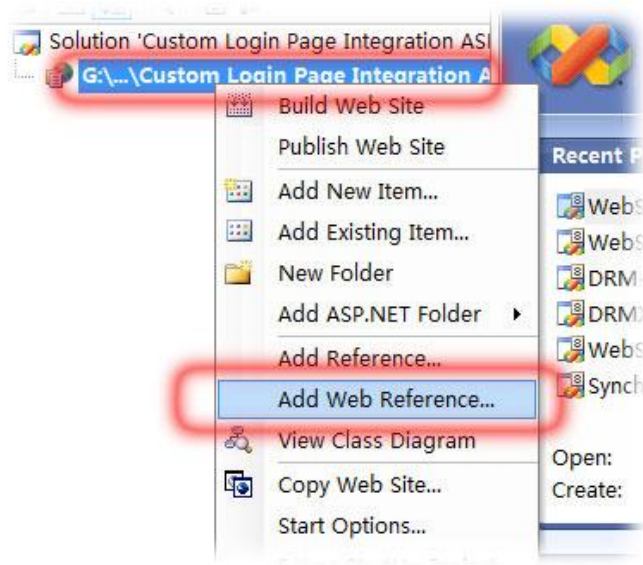
[Step by Step Introduction](#)

Step1. Add Web References

In Visual Studio.net 2003 or Visual Studio.net 2005, please Add Web References in Solution Explorer.

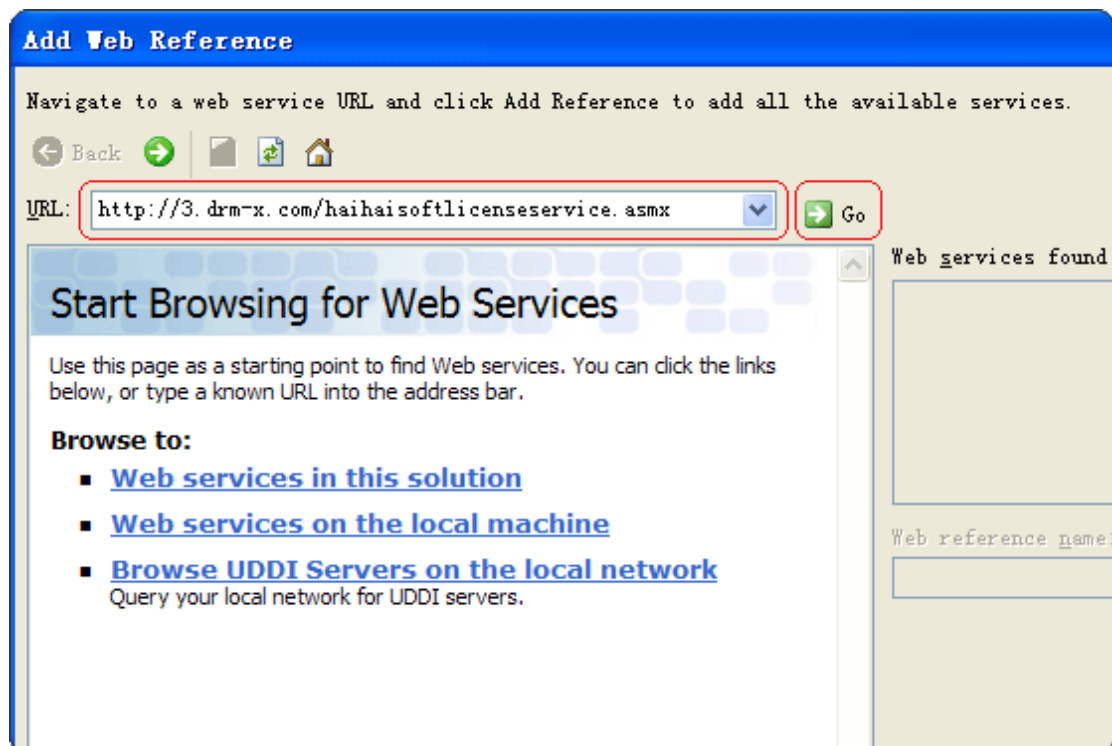
Steps to setup:

1. Right click on the **Solution** and choose the **Add Web References** in the dropdown list, shown as the screenshot below:

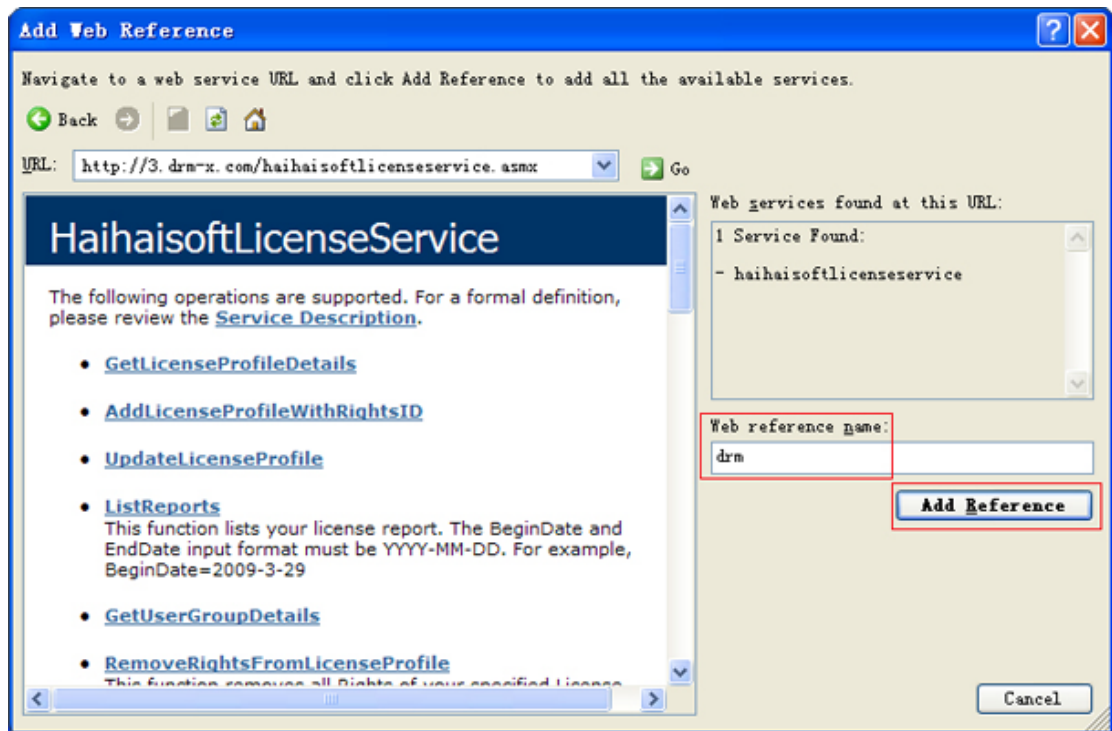


2. Input the URL of DRM-X XML Web Service:

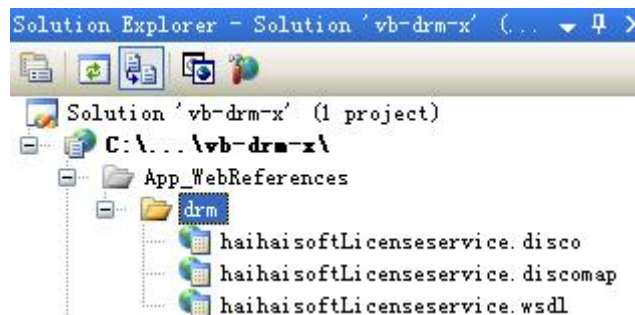
<http://3.drm-x.com/haihaisoftlicenseservice.asmx> and click the **Go** button at right. As shown below:



3. Rename the Web reference into **drm** and click the **Add References** button on the right.



4. Added successfully



Step2. create default.aspx or index.aspx

As usual, we use this page for storing the value of Profileid, clientinfo, Platform and ContentType which are passed from DRM-X when user open the protected files. In this tutorial, we use session to do the job. You can also use cookie instead. Below is the sample code:

```
public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        Session["profileid"] = Request.Form["ProfileID"].ToString();
    }
}
```

```
Session["clientinfo"] = Request.Form["clientinfo"].ToString();
Session["Platform "] = Request.Form["platform"].ToString();
Session["ContentType "] = Request.Form["contenttype"].ToString();

Response.Redirect("login.aspx");

    }
}
```

Step3. Open your login.aspx

Sample code:

```
protected void Login2_Authenticate1(object sender, AuthenticateEventArgs e)
{
    if (Login2.UserName == "testuser" & Login2.Password == "test")
    {
        //Here is the sample code. In your code, you should read the username and
password from your database.
        //Authenticate Successfully!
        Response.Redirect("Licstore.aspx");
    }
    else
    {
        Response.Write("Password or Username is incorrect!");
    }
}
```

Step4. Create licstore.aspx

In licstore.aspx.cs, call the [getLicenseRemoteToTable](#) function, if your DRM-X 3.0 account is Enhanced Security Mode ([check account Mode](#)), you need call the [getLicenseRemoteToTableWithVersion](#) function. And then add the code below on the page:

```
protected void Page_Load(object sender, EventArgs e)
{
    string AdminEmail = "julia.sui@haihaisoft.com";
    //AdminEmail is your login Email of DRM-X Account.
```

```

string WebServiceAuthStr = "123456";
//WebServiceAuthStr is the Web Service Authenticate String for DRM-X web
service.

string ProfileID = (string)(Session["ProfileID"]);
//DRM-X Provides the value.
string clientinfo = (string)(Session["clientinfo"]);
//DRM-X Provides the value.
string rightsID = "280";
//DRM-X Provides the value.
string UserLoginName = "testuser";
//UserLoginName is the username or unique UserID in your user database.
string UserFullName = "test";
//UserFullName is 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.
string GroupID = "110673";
//GroupID is the ID of your Group that you created in your DRM-X Accounts.
Your can find GroupID value in Users Group of DRM-X.
string Message = "";
//Message is the license information, like license rights information returned from
DRM-X web service.
string IP = "";
string Platform = (string)(Session["Platform"]);
//DRM-X Provides the value.
string ContentType = (string)(Session["ContentType"]);
//DRM-X Provides the value.

drm.HaihaisoftLicenseService DRMService = new drm.HaihaisoftLicenseService();
License = DRMService. getLicenseRemoteToTable (AdminEmail, WebServiceAuthStr,
ProfileID, clientinfo, rightsID, UserLoginName, UserFullName, GroupID, ref Message, IP,
Platform, ContentType);
txtMessage.Text = Message;
Label1.Text = License;
}

```

In licstore.aspx:

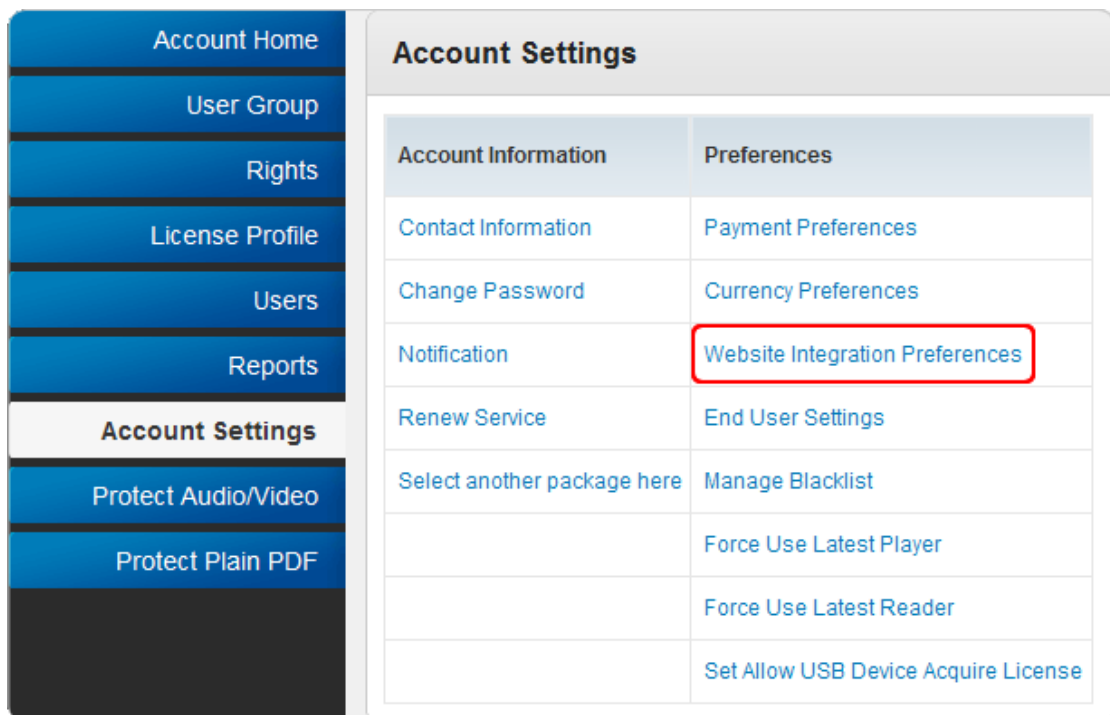
You should add `<% =license %>` into the `<body></body>`.

Step4. Set DRM-X Website Integration Parameters

So it will pop up the default.aspx when your users play your protected files. You can customize the page whatever you need.

Steps to setup:

1. Login your [DRM-X 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:

Account Settings

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. Custom login page integration is when user acquiring license, it will pop up your website DRM login window to acquire license. Recommend, only for advanced users)

Please set a Web Service Authentication String for DRM-X web service (DRM-X need you provide)

123456drm

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

http://www.yourwebsite.com/drminindex.php

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

Profile - Website Integration Preferences

✔ You have updated Website Integration Preferences successfully.

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. Custom login page integration is when user acquiring license, it will pop up your website DRM login window to acquire license. Recommend, only for advanced users)

Step5: Integration Error Messages

When you integrate DRM-X 3.0 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 exists, User Group doesn't exists, License Rights doesn't exists and Rights Expired.

1. Content Provider has insufficient funds in DRM-X 3.0 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. The Rights have not begin, the begin date is greater than the current date.
Message = "ERROR:RIGHTS EXPIRED"
License Return "No License"
4. 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"
5. 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.

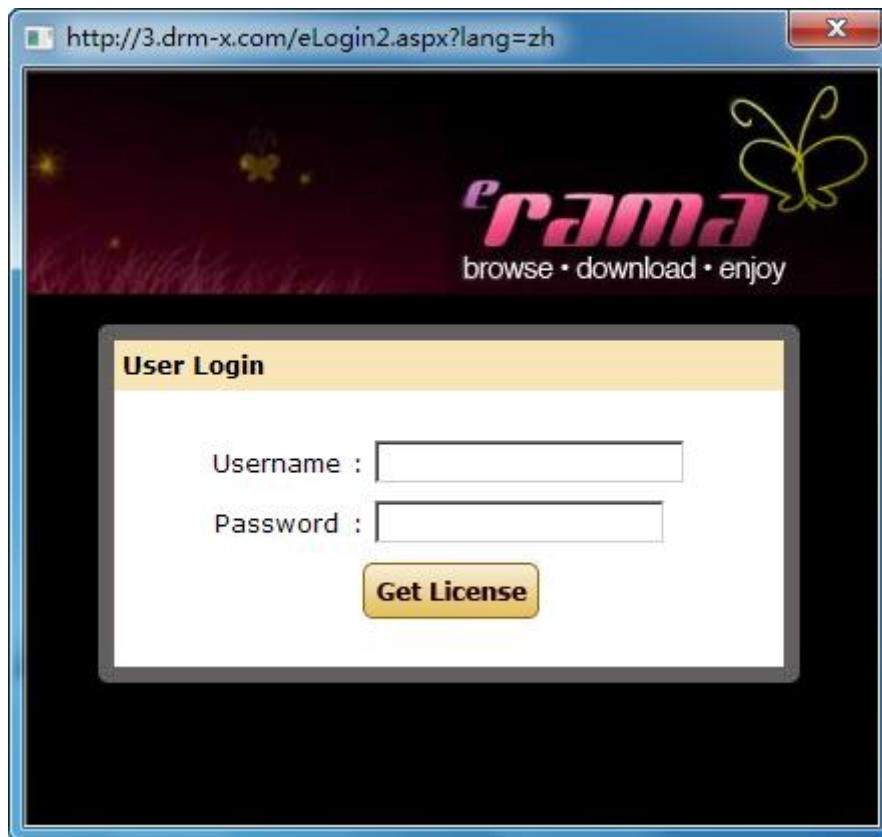
Message = "Webmaster doesn't have this Rights or you don't have permission to acquire this rights. Please contact your webmaster for details."
Content owner doesn't have this License Rights, or you don't have permission to acquire this Rights.

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.

If Message return these information, License will return "".
6. Integration Login Error. Error message returned when you invoke DRM-X 3.0 Web Service.
Message Return ""
License Return "Your XML web service login info is not correct. Please check your AdminEmail and WebServiceAuthStr settings."
Integration Parameter AdminEmail and WebServiceAuthStr settings are wrong.

Step6. Open your contents protected by DRM-X

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



Related Tutorials

- [DRM-X 3.0 Synchronize User Integration \(ASP.net C# Guide\)](#)
- [DRM-X 3.0 Synchronize User Integration \(PHP Guide\)](#)
- [DRM-X 3.0 Customize Login Page Integration \(PHP Guide\)](#)
- [DRM-X 3.0 Synchronize User Integration \(ASP Guide\)](#)
- [DRM-X 3.0 Customize Login Page Integration \(ASP Guide\)](#)
- [DRM-X 3.0 Synchronize User Integration \(JSP Guide\)](#)
- [DRM-X 3.0 Customize Login Page Integration \(JSP Guide\)](#)
- [DRM-X 3.0 Synchronize User Integration \(ASP.net VB Guide\)](#)
- [DRM-X 3.0 Customize Login Page Integration \(ASP.net VB Guide\)](#)

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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