Haihaisoft DRM-X 3.0
Customize Login Page Integration
(JSP Guide)
Table of Contents

TABLE OF CONTENTS ............................................................................ 2
OVERVIEW ............................................................................................... 3
WHAT NECESSARY BEFORE INTEGRATION? ................................. 3
PARAMETER INTRODUCTION .............................................................. 4
DOWNLOAD SAMPLE CODE ................................................................. 7
STEP BY STEP INTRODUCTION ........................................................... 7
  STEP1: CREATE LICSTORE.JSP ......................................................... 7
  STEP2: SET DRM-X WEBSITE INTEGRATION PARAMETERS ........ 10
  STEP3: INTEGRATION ERROR MESSAGES ....................................... 12
  STEP4. PLAY YOUR CONTENTS PROTECTED BY DRM-X ............ 13
RELATED TUTORIALS ............................................................................. 15
EXPERT SUPPORT FROM HAIHAISOFT .......................................... 16
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.asmx](http://3.drm-x.com/haihaisoftLicenseService.asmx)

What necessary before integration?

1. DRM-X Account
   You need to have one of the DRM-X Accounts including Premier / Business Windows / Business Pro / Enterprise before you integrate with your platform. DRM-X Basic Account users can manage its 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](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:

![Account Settings Screenshot](image-url)
3. Select **Custom login page integration** and enter the **Web Service Authenticate String**. As shown in the screenshot below:

![Account Settings](image)

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

![Profile - Website Integration Preferences](image)

**You have updated Website Integration Preferences successfully.**
- **GroupID**: the ID of your Group created in your DRM-X account. You can find GroupID value in Users Group of DRM-X Account.

![GroupID Image]

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 Code

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_JSP.zip

Step by Step Introduction

Step1: Create licstore.jsp

When registered users are approved, they can visit licstore.jsp, and call `getLicenseRemoteToTable` function to obtain license, if your DRM-X 3.0 account is Enhanced Security Mode (check account Mode), you need call the `getLicenseRemoteToTableWithVersion` function.

We call several class libraries below:

```jsp
<%@ page import="org.apache.axis.client.Service"%>
<%@ page import="org.apache.axis.client.Call"%>
<%@ page import="org.apache.axis.encoding.XMLType"%>
<%@ page import="javax.xml.namespace.QName"%>
<%@ page import="javax.xml.rpc.ParameterMode"%>
```
Here is the sample code:

```jsp
<%@ page contentType="text/html; charset=utf-8" language="java" errorPage="" %>
<%@ page import = "org.apache.axis.client.Service"%>
<%@ page import = "org.apache.axis.client.Call"%>
<%@ page import = "org.apache.axis.encoding.XMLType"%>
<%@ page import = "javax.xml.namespace.QName"%>
<%@ page import = "javax.xml.rpc.ParameterMode"%>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
    </head>
    <body>
        String AdminEmail = "support5@haihaisoft.com";
        String WebServiceAuthStr = "123456drm";
        String ProfileID = request.getParameter("profileid");
        String ClientInfo = request.getParameter("clientinfo");
        String RightsID = "390";
        String UserLoginName = "testuser";
        String UserFullName = "test";
        String Message = "";
        String IP = "N/A";
        String Platform = request.getParameter("platform");
        String ContentType = request.getParameter("contenttype");
        String namespace = "http://tempuri.org/ASPNET.StarterKit.Commerce/HaihaisoftLicenseService";
        String endpoint = "http://3.drm-x.com/haihaisoftlicenseservice.asmx?wsdl";
        String license = null;
        try {
            Service service = new Service();
            Call call = (Call)service.createCall();
            call.setTargetEndpointAddress(endPoint);
            call.setOperationName(new QName(namespace,"getLicenseRemoteToTable"));
            call.addParameter(new QName(namespace,"AdminEmail"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
            call.addParameter(new QName(namespace,"WebServiceAuthStr"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
            call.addParameter(new QName(namespace,"ProfileID"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.xmlrpc.ParameterMode.IN);
            call.addParameter(new QName(namespace,"ProfileID"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.xmlrpc.ParameterMode.IN);
            call.addParameter(new QName(namespace,"ProfileID"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.xmlrpc.ParameterMode.IN);
            call.addParameter(new QName(namespace,"ProfileID"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.xmlrpc.ParameterMode.IN);
        }
    </body>
</html>
```
rpc.ParameterMode.IN);
call.addParameter(new QName(namespace,"ClientInfo"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
call.addParameter(new QName(namespace,"RightsID"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
call.addParameter(new QName(namespace,"UserLoginName"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
call.addParameter(new QName(namespace,"UserFullName"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
call.addParameter(new QName(namespace,"GroupID"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
call.addParameter(new QName(namespace,"Message"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.INOUT);
call.addParameter(new QName(namespace,"IP"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
call.addParameter(new QName(namespace,"Platform"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.INOUT);
call.addParameter(new QName(namespace,"ContentType"),org.apache.axis.encoding.XMLType.XSD_STRING,javax.xml.rpc.ParameterMode.IN);
call.setReturnType(org.apache.axis.encoding.XMLType.XSD_STRING);
call.setUseSOAPAction(true);
call.setSOAPActionURI("http://tempuri.org/ASPNET.StarterKit.Commerce/HaihaisoftLicenseService/getLicenseRemoteToTable");
Object[] param = {new String(AdminEmail),
    new String(WebServiceAuthStr),
    new String(ProfileID),
    new String(ClientInfo),
    new String(RightsID),
    new String(UserLoginName),
    new String(UserFullName),
    new String(GroupID),
    new String(Message),
    new String(IP),
    new String(Platform),
    new String(ContentType)};
Step 2: Set DRM-X Website Integration Parameters.

So it will pop up the index.php 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:

![Screenshot of Account Settings with 'Custom login page integration' selected and URL input field]

Custom login page integration requires you to provide a specific URL. Here's how you can set it up:

- **Integration Method:** Choose between 'Synchronize user integration' or 'Custom login page integration'. Select 'Custom login page integration' to use your customized login page.

- **Authentication String:** You'll need to set a Web Service Authentication String. Enter the string generated by your system in this field.

- **License URL:** Enter the URL of your customized login page in this field. The URL should be accessible over HTTP(S) and is where users will be redirected after authentication.

- **Submit** or **Cancel** button to confirm or discard your input.

By following these steps, you can effectively integrate custom login pages into your account settings, enhancing user experience and security.
4. Click the **Submit** button below and you will get the message shown on the picture below:

![Profile - Website Integration Preferences](image)

**Step3: 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 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 "".


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.

**Step4. Play your contents protected by DRM-X.**

Congratulations! Till now, the integration has been done. When the users open your encrypted content, it will pop up the custom login page.
Customize Login Page Integration (JSP Guide)
Related Tutorials

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

Haihaisoft Limited

service@haihaisoft.com