

# **Haihaisoft DRM-X 3.0 Synchronize User Integration (JSP Guide)**



**Haihaisoft Limited**

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## Overview

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Synchronize user integration is synchronizing the users register on your website into DRM-X platform. After integration, your users just need to register and login on your website to get the license for playing your contents protected by DRM-X.

DRM-X **XML Web Service** provides you with the interface that you can use to synchronize your users into DRM-X platform. All that you need to do is just to call some functions, like [AddNewUser](#) and [UpdateUser](#). You can get the details about **DRM-X Web Service** by visiting the link below:

<http://3.drm-x.com/haihaisoftLicenseservice.aspx?op=UpdateUser>

## What necessary before integration?

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### 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>

### 2. User database, login page and register page.

You should setup a database or you may already have a database that can store your users' information if you want to integrate with DRM-X. You also need to create or modify your current user login

page and register page for your users to login and register.

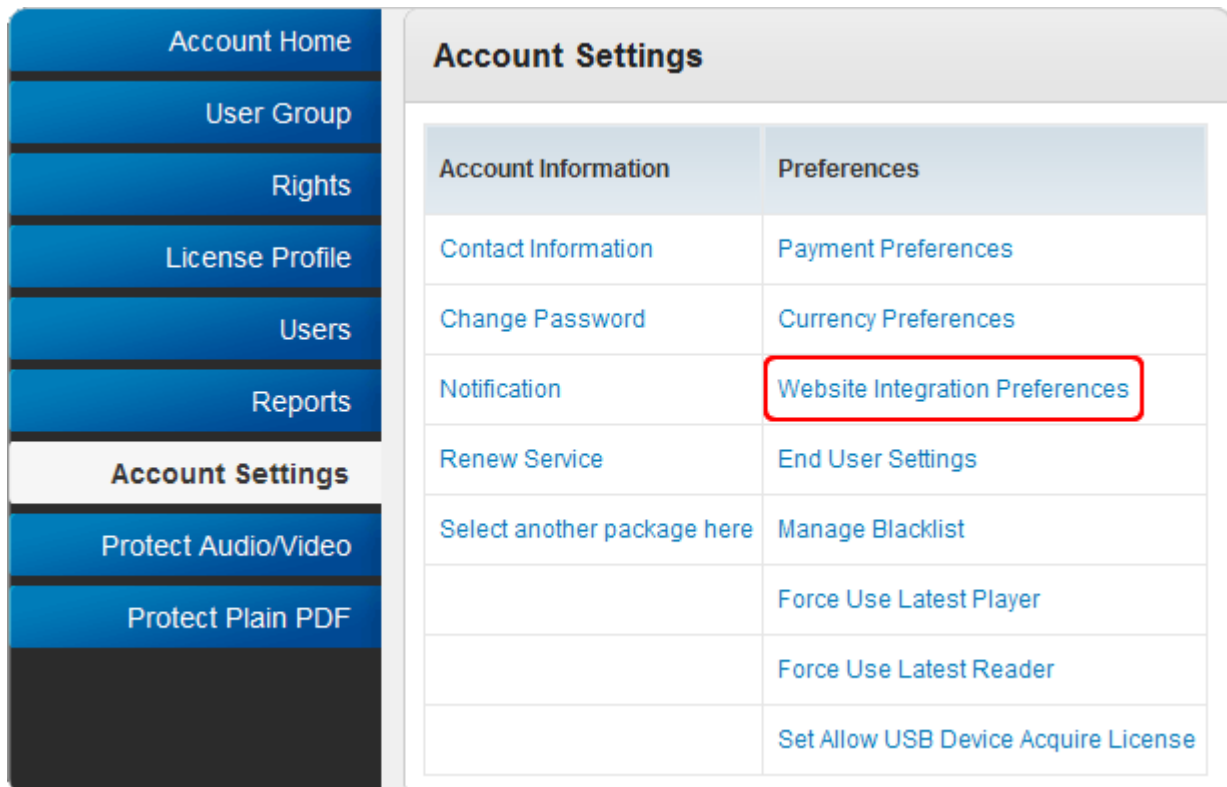
## Parameter Introduction

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 set:

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 shows 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	<b>Website Integration Preferences</b>
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 **Synchronize User Integration** and enter the **Web Service Authenticate String**. 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 Custom login page integration is when user acquiring license, it will pop up your website DRM login window Recommend, only for advanced users)

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

123456drm

4. 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 Recommend, only for advanced users)

- **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.
- **UserPassword:** the Password of user in your user database.
- **UserEmail:** the Email of user 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.
- **Title**
- **Company**
- **Address**
- **City**
- **Province**
- **ZipCode**
- **Phone**
- **CompanyURL**

- **SecurityQuestion**
- **SecurityAnswer**
- **IP:** address of your user which acquire license. You can provide this Parameter, or input N/A.
- **Money:** the money amount of your users at DRM-X.com. By default, you can set this value to 0, and manually change the value on DRM-X. (Required field)
- **BindNumber:** the number of computers that you allow the users to login and play your content. It is a useful way to prevent your users with sharing their accounts.  
By default, you can set this value to '0', and manually change the value on DRM-X. (Required field)
- **IsApproved:** Set whether the user is approved immediately after they register. Please set "yes" if you approve user to login, otherwise set "no". The default value should be "yes"
- **IsLockedOut:** Set whether the user is locked out immediately after they register. Please set "yes" if you want to lock out user, otherwise set "no". The default value should be "no"

## **Download Sample Pages**

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

[http://www.drm-x.com/download/sample\\_code\\_3.0/Synchronize\\_User\\_Integration\\_JSP.zip](http://www.drm-x.com/download/sample_code_3.0/Synchronize_User_Integration_JSP.zip)

## Step by Step Introduction

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### Step1: Create index.jsp page

### Step2: Call AddNewUser Function

When you add user registered information into your database, run the code below on this page, call **DRM-X XML Web Service**, synchronize user database into your DRM-X account.

```
<html>
<head>
<title>Sign up</title>
</head>
<body>

<%
    String AdminEmail = "support5@haihaisoft.com";
    String WebServiceAuthStr = "123456drm";
    String GroupID = "267";
    String UserLoginName = request.getParameter("username");
    String UserPassword = request.getParameter("password");
    String UserEmail = "N/A";
    String UserFullName = "N/A";
    String Title = "N/A";
    String Company = "N/A";
    String Address = "N/A";
    String City = "N/A";
    String Province = "N/A";
    String ZipCode = "N/A";
    String Phone = "N/A";
    String CompanyURL = "N/A";
    String SecurityQuestion = "N/A";
    String SecurityAnswer = "N/A";
    String IP = "N/A";
    String Money = "0";
```



```

String BindNumber = "5";
String IsApproved = "yes";
String IsLockedOut = "no";
String addnewuser = "0";
String
namespace="http://tempuri.org/ASPNET.StarterKit.Commerce/HaihaisoftLicenseService";
String endPoint="http://3.drm-x.com/haihaisoftlicenseservice.asmx?wsdl";

try {
    Service service = new Service();
    Call call = (Call)service.createCall();
    call.setTargetEndpointAddress(endPoint);
    call.setOperationName(new QName(namespace,"AddNewUser"));
    call.addParameter(new
QName(namespace,"AdminEmail"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"WebServiceAuthStr"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"GroupID"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"UserLoginName"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"UserPassword"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"UserEmail"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"UserFullName"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"Title"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"Company"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"Address"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"City"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"Province"),XMLType.XSD_STRING,ParameterMode.IN);
    call.addParameter(new
QName(namespace,"ZipCode"),XMLType.XSD_STRING,ParameterMode.IN);

```

```

        call.addParameter(new
QName(namespace,"Phone"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"CompanyURL"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"SecurityQuestion"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"SecurityAnswer"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"IP"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"Money"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"BindNumber"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"IsApproved"),XMLType.XSD_STRING,ParameterMode.IN);
        call.addParameter(new
QName(namespace,"IsLockedOut"),XMLType.XSD_STRING,ParameterMode.IN);
        call.setReturnType(XMLType.XSD_STRING);
        call.setUseSOAPAction(true);
call.setSOAPActionURI("http://tempuri.org/ASPNET.StarterKit.Commerce/HaihaisoftLicenseS
ervice/AddNewUser");

```

```

Object[] param={new String (AdminEmail),
                new String (WebServiceAuthStr),
                new String (GroupID),
                new String (UserLoginName),
                new String (UserPassword),
                new String (UserEmail),
                new String (UserFullName),
                new String (Title),
                new String (Company),
                new String (Address),
                new String (City),
                new String (Province),
                new String (ZipCode),
                new String (Phone),
                new String (CompanyURL),
                new String (SecurityQuestion),

```

```
        new String (SecurityAnswer),
        new String (IP),
        new String (Money),
        new String (BindNumber),
        new String (IsApproved),
        new String (IsLockedOut));
    addnewuser = (String)call.invoke(param);
    out.println("message is: "+addnewuser);
} catch (Exception e) {
    e.printStackTrace();
}
%>
<script language="javascript">
String (<%=addnewuser%>);
</script>
</body>
</html>
```

#### **Step4: Run the sign up page**

Try to register a new user on the sign up page. If you receive '1', that means you have added the new user successfully on DRM-X platform already. Please check your users' database to see if the user also has been added.

#### **Step5: Play your contents protected by DRM-X.**

Try to register a new user on the sign up page. If you receive '1', that means you have added the new user successfully on DRM-X platform already. Please check your users' database to see if the user also has been added.



### **Step6: Customize the Login page above**

You can customize the pop up login window of DRM-X. So your users can see more your company's information on it and will also make them easier to link to your website. You can set the information including your company's name, logo, website URL, and product name and so on.

If you want to customize DRM-X login page, please [read the tutorial](#)

### **Add your existed users to DRM-X.com**

For adding your existed users to DRM-X.com, you need to create a loop program to read user information from your database, and then

call the **AddNewUser** function to synchronize the users to DRM-X.com. In this way, you need to transfer non-encrypted password to DRM-X.com, and DRM-X will encrypt the password with strong MD5 encryption.

## Update User Information

Just like calling the **AddNewUser** function in your sign up page, you can also call the **UpdateUser** when they update his or her profile in your website.

Calling **UpdateUser** function is very similar with calling the **AddNewUser** function. You can read the XML web service document and use the **AddNewUser** code in the above code.

<http://3.drm-x.com/haihaisoftLicenseservice.asmx?op=UpdateUser>

## Related Tutorials

- [DRM-X 3.0 Customize Login Page 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  
services



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