

DRM-X 5.0 Custom Login Page Integration

PHP Guide



Haihaisoft

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Overview

When a user opens your DRM-X 5.0-encrypted file via the [ZJGet browser](#), ZJGet will automatically pop up the default [DRM-X 5.0](#) user login page.

With DRM-X 5.0 custom login page integration, you can redirect this page to a custom login page on your website. This means user login and course order verification will be processed through your website's database, without requiring verification via the DRM-X 5.0 platform. You only need to call the [DRM-X 5.0 XML Web Service](#) interface and use several interface methods to complete a series of business processes.

For example, after you verify user login and course orders, use [CheckUserExists](#) to check whether the user exists in the DRM-X 5.0 system. If the user does not exist, call [AddNewUser](#) to add the user to DRM-X 5.0.

Then, based on the user's courses or orders, you can call the [UpdateRightWithDisableVirtualMachine](#) method to update Rights, and set personalized License Rights for the user, such as validity period, watermark effect, watermark content, etc.

Finally, call the [getLicenseRemoteToTableWithVersionWithMac](#) method to request the DRM-X 5.0 license server to issue a license. The whole process is very simple.

After completing the website integration, users will see your custom login page when opening your encrypted files.

What necessary before integration?

1. DRM-X 5.0 Account

DRM-X 5.0 Premier, Business or Enterprise accounts provide you with access to the XML Web Service interface, enabling seamless integration with your website and other platforms such as online payment platforms.

Click the link below to view the DRM-X 5.0 account comparison:

<https://www.drm-x.com/products/drm-x-5.0/price>

2. User database and website source code

Your website should have its own database, which should contain data tables that record user information and user order information.

You only need to add the corresponding integration code to your custom user login page to complete the setup. The whole process is very simple and fast. Let's get started.

DRM-X 5.0 Integration Return Parameters

When a user accesses your encrypted file using the ZJGet browser, the DRM-X 5.0 system will post information about the encrypted file to the integration page you have set up. You will need to obtain this information and use it when necessary.

- **profileid**: License Profile ID used by the current encrypted file
- **clientinfo**: Client Information
- **rightsid**: License Rights ID associated with the current License Profile. If the license profile is associated with multiple license Rights IDs, only one Rights ID will be returned here.
- **platform**: The operating system of the user's current device. Possible return values include: Win7, Win10, Mac, Android, etc.

- **contenttype**: Type of the current encrypted file. Return values: Audio/Video, PDF.
- **version**: Version number of the ZJGet browser
- **mac**: MAC address of the current user's device
- **return_url**: URL of the current encrypted file, used for redirection after obtaining the license.
- **yourproductid**: The product ID or course ID in your website, which needs to be manually set in the license profile.

Introduction to Integrated Methods and Parameters

You can call the required interface methods according to your business needs. The following methods are commonly used for custom login page integration:

- [CheckUserExists](#) - Check if the user exists
- [AddNewUser](#) - Add new user
- [UpdateRightWithDisableVirtualMachine](#) - Update License Rights
- [getLicenseRemoteToTableWithVersionWithMac](#) - Obtain License

You can access the [DRM-X 5.0 XML Web Service](#) to view other interfaces.

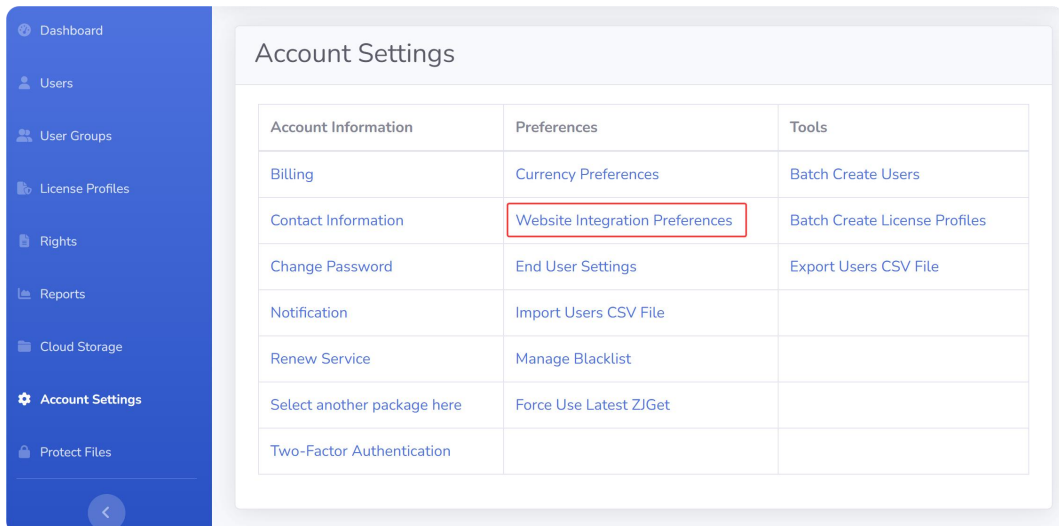
The following parameters are commonly used in interface methods and are introduced as follows:

- **AdminEmail**: Your DRM-X 5.0 login account (Email)
- **WebServiceAuthStr**: Verification code for the DRM-X 5.0 integration service. The value you set here must be identical to the one

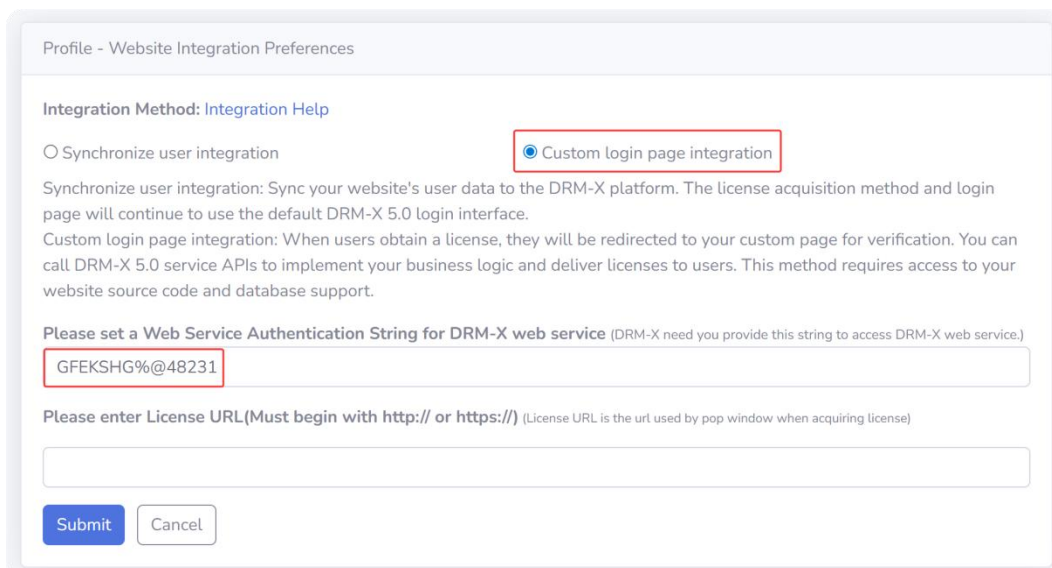
configured on the DRM-X 5.0 platform.

Steps to set WebServiceAuthStr on the DRM-X 5.0 platform:

1. Log in to your [DRM-X 5.0 account](#);
2. Click Account Settings in the left panel, and select Website Integration Preferences, as shown below:

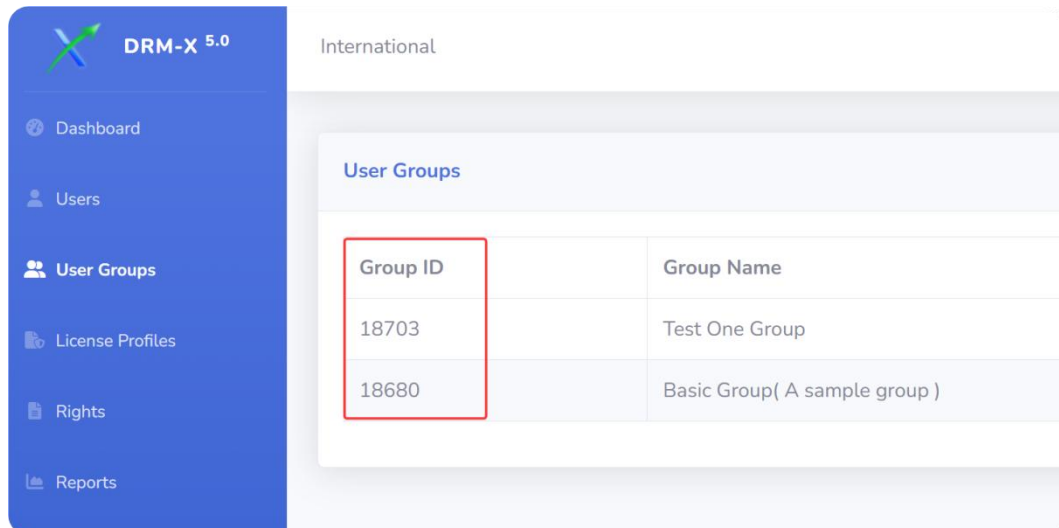


3. Select Custom login page integration, enter the Web Service Authentication String, as shown in the figure below:



Finally, click the submit button to save the settings.

- **GroupID:** This is the user group ID you created on the DRM-X 5.0 management platform. You can find the user group ID in the user group list of DRM-X 5.0.



Note: You only need to use one fixed User Group ID in the integration code. Users who obtain licenses through integration will be directly added to this user group. If you want to change the user group a user belongs to, you can manually modify it on the DRM-X 5.0 platform. Under normal circumstances, only one user group is required after integration.

- **UserLoginName:** End user's login account.

Sample Code Download

You can download the standard integration sample code via the following link:

https://www.drm-x.com/download/DRM-X_5.0_Integration/DRM-X_5.0_Custom_Login_Page_Integration_PHP_Code.zip

Custom Login Page Integration Steps

Integration Process Description:

1. The user first visits the [index.php](#) page and receives the aforementioned parameters from the DRM-X 5.0 server, such as profileid, clientinfo, etc.
2. Submit the login form to [login.php](#) for business verification, such as verifying the username and password, checking whether the user has purchased the course, etc. After you have completed user login and course order verification, you need to redirect to [licstore5.php](#).
3. In licstore5.php, you need to call several DRM-X 5.0 interfaces. For example, call [CheckUserExists](#) to check whether the user exists in the DRM-X 5.0. If the user does not exist, call [AddNewUser](#) to add the user. Then call [UpdateRightWithDisableVirtualMachine](#) to update the license Rights to be obtained by the user, such as setting the validity period of the user's current encrypted video and the watermark content to be displayed. After completing the above process, call the [getLicenseRemoteToTableWithVersionWithMac](#) method to obtain the license.

(Note: The above process is described based on the sample code for reference only. You may also establish different processes according to your own requirements, but the method of obtaining the license remains the same.)

Before starting the integration, please confirm that the **SOAP** extension is enabled on your PHP server. We need to use **SoapClient** to call the XML Web service interfaces.

Step 1: Create index.php

Store the parameter values provided by the DRM-X 5.0 server via cookies or sessions. The receivable parameters include: profileid, clientinfo, rightsid, yourproductid, platform, contenttype, version, return_url, and mac. For the specific meaning of each parameter, please refer to the previous parameter description section. Sample code is shown below:

```
<?php
session_start();

$_SESSION["ProfileID"] = $_REQUEST["profileid"];
$_SESSION["ClientInfo"] = $_REQUEST["clientinfo"];
$_SESSION["RightsID"] = $_REQUEST["rightsid"];
$_SESSION["YourProductID"] = $_REQUEST["yourproductid"];
$_SESSION["Platform"] = $_REQUEST["platform"];
$_SESSION["ContentType"] = $_REQUEST["contenttype"];
$_SESSION["Version"] = $_REQUEST["version"];
$_SESSION["ReturnUrl"] = $_REQUEST["return_url"];
$_SESSION["Mac"] = $_REQUEST["mac"];

/* When the user opens protected file, DRM-X 5.0 will provide the above values */

?>
```

Regarding the login form on the integration page, you can add or remove fields as needed. You may also directly obtain the user's login session from your website, and display the login form only if no login session is detected.

Step 2: Add business logic code in login.php

According to your needs, you can add code on this page to verify user login information and check whether the user has permission to open

this encrypted file. Please add your own business logic code as required. Then redirect to licstore5.php to call the DRM-X 5.0 XML Web interface.

Step 3: Call the XML service interface in licstore5.php

Create a page named licstore5.php. On this page, you need to call several commonly used interface methods, including:

- [CheckUserExists](#)
- [AddNewUser](#)
- [UpdateRightWithDisableVirtualMachine](#)
- [getLicenseRemoteToTableWithVersionWithMac](#)

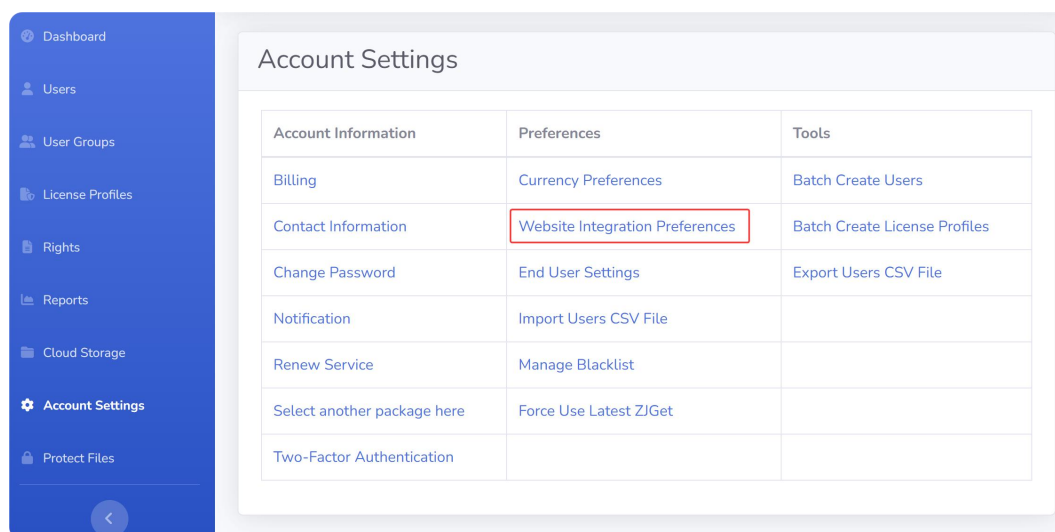
For detailed interface method calls and parameter descriptions, please refer to the sample code and code comments.

Note: The name of the page for obtaining and storing the license must be licstore5.php.

Step 4: Integration Parameter Settings

Setup Steps:

1. Log in to your [DRM-X 5.0 account](#);
2. Click Account Settings in the left panel, and select **Website Integration Preferences**, as shown in the figure below:



3. Select **Custom Login Page Integration** and enter the URL address of your custom page, as shown in the figure below:

Profile - Website Integration Preferences

Integration Method: Integration Help

Synchronize user integration Custom login page integration

Synchronize user integration: Sync your website's user data to the DRM-X platform. The license acquisition method and login page will continue to use the default DRM-X 5.0 login interface.

Custom login page integration: When users obtain a license, they will be redirected to your custom page for verification. You can call DRM-X 5.0 service APIs to implement your business logic and deliver licenses to users. This method requires access to your website source code and database support.

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.)

GFEKSHG%@48231

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

https://integration.hhsview.com/licstore5.php

Submit Cancel

4. Click the Submit button below to save the integration settings. Setup completed. When users open your encrypted file, the page pointed to by this URL will pop up.

Step 5: Process the info returned by the license method

When calling the [getLicenseRemoteToTableWithVersionWithMac](#) to obtain a license, some error messages may be returned. These messages need to be retrieved in the integration code and handled accordingly, such as: hardware binding limit exceeded, license profile does not exist, user group does not exist or the user has no permission to access this user group, license rights does not exist, license rights expired, etc.

The return values are generally divided into the method return value and the Message parameter value. We use License to represent the method return value and Message to represent the Message parameter value for marking and explanation.

1. Insufficient balance in the content provider account.
License returns "ERROR:ADMIN_NO_MONEY"

2. Rights expired. The expiration date is earlier than the current date.
Message = "ERROR:RIGHTS EXPIRED"
License returns "No License"

3. The number of hardware bindings has exceeded the limit.
License returns "ERROR:EXCEED_BIND"

4. Common Message Return Information
 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."
 The content provider does not have this user group, or the current user has no 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."
 The content provider does not have this license Rights, or the current user is not authorized to access this license Rights.

 Message = "Webmaster hasn't encrypt this file or you don't have permission to acquire license. Please contact your webmaster for details."
 The content provider has not encrypted this file (the license profile does not exist), or the current user is not authorized to obtain this license profile.

 For all the above Message information, the License return value is empty.

5. Integrated Login Error
 Message returns " "
 License returns "Your XML web service login info is not correct. Please check your AdminEmail and WebServiceAuthStr settings."

 Incorrect settings for the AdminEmail and WebServiceAuthStr.

Finally, you can also determine whether the license has been obtained correctly by checking whether License contains license_div_drm-x5, for example:

```
if(stripos($license,'license_div_drm-x5' )=== false )
```

Then redirect to licerror.php to output the License and Message on the corresponding error display page.

Step 6: Tips for Common Integration Issues

1. Do not upgrade PHP arbitrarily. Before upgrading the PHP version, the integration code must be tested in your local environment to ensure that your website and integration code can work properly in the latest PHP environment.
2. It is recommended to use PHP's built-in SoapClient to call the XML service to obtain the license.

Step 7: Open files encrypted with DRM-X 5.0

When you use ZJGet to open your encrypted file, the browser will automatically redirect to your set integration page. After verification and successful license acquisition, congratulations—your integration is complete!

Haihaisoft Technical Support

If you still have any questions about the integration.

Please feel free to contact us anytime!

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



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