



SafeGuard DRM for WordPress

www.safeguard.media

The SafeGuard DRM plugin enables sites to add access rights to web pages.

SafeGuard DRM provides an easily managed means of providing access rights to view web pages that cannot be shared. Access tokens can be created and sent by email giving users explicit rights to access specific web pages within your site. The SafeGuard DRM service has been designed for use on any website and is most economical.

How It Works

SafeGuard DRM hosts an iFrame that is embedded into your web page that enforces DRM control. You can nominate which pages are DRM controlled by nominating their URL or a keyword common to several pages. The access privileges for each page and the access rights for each user are governed by the token that you create and send to them by email.

OS Support

SafeGuard Media is supported across all OS and devices, including Windows, Mac, Android and iOS because the web browser required for viewing copy protected content, the ArtisBrowser, is available for each of those OS. Normal web browsers are totally useless for copy protected media and encrypted web pages. In fact being designed at cross-purpose, they should never be considered where intellectual property is displayed.

Copy Protection

DRM is a form of “copy protection” but while DRM does prevent sharing by controlling access rights to view/use media, it does not prevent anyone from making copies of that media while it is being viewed. To prevent COPY requires a different set of methods and each operating system and device requires different safeguards. This DRM plugin is designed to compliment an existing copy protection solution because web pages might be protected, access to them may be governed by membership plugins. For that reason copy protection is treated separately to DRM.

The most sophisticated and most secure copy protection is provided by the ArtistScope Site Protection System (ASPS) but ASPS requires a dedicated server or VPS to be installed at system level. However SafeGuard WordPress provides ordinary web sites, those hosted on shared hosting servers, the means to use ASPS within an iFrame. Regardless of whether you use ASPS or SafeGuard WordPress, this plugin for SafeGuard DRM can add that extra layer for access rights control.

Register Demo Account

The FREE demo account (expires in 14 days) will enable you to test the SafeGuard DRM service on your website.

Getting Started

To use the SafeGuard DRM service from WordPress, simply download and install the **WP_Safeguard_DRM** plugin.

1. Install the DRM plugin into WordPress.
2. From plugin settings, create a demo account to get your ApiKey.
3. Use Classic Editor to create a page and add the DRM shortcode for it.
4. Then from plugin settings Add Token and send it to a user.

* You need to create DRM pages before creating tokens so that you have something to assign the token to.

NOTE: When testing DRM tokens it is recommended to use a different computer to avoid exemption as Admin.

Adding DRM to Web Pages

The Classic Editor is required to click the DRM button, but the shortcode can be added by using copy-n-paste.



Your shortcode will be comprised of your ApiKey and the URL of the page, for example:

```
[safeguardddrm token='YOUR_APIKEY@YOUR_URL']
```

Any web pages that include this shortcode can now only be viewed by the ArtisBrowser. Other browsers will be redirected for its download. For users to access this page they will require a DRM token, thus enabling total control over any changes made with immediate effect.



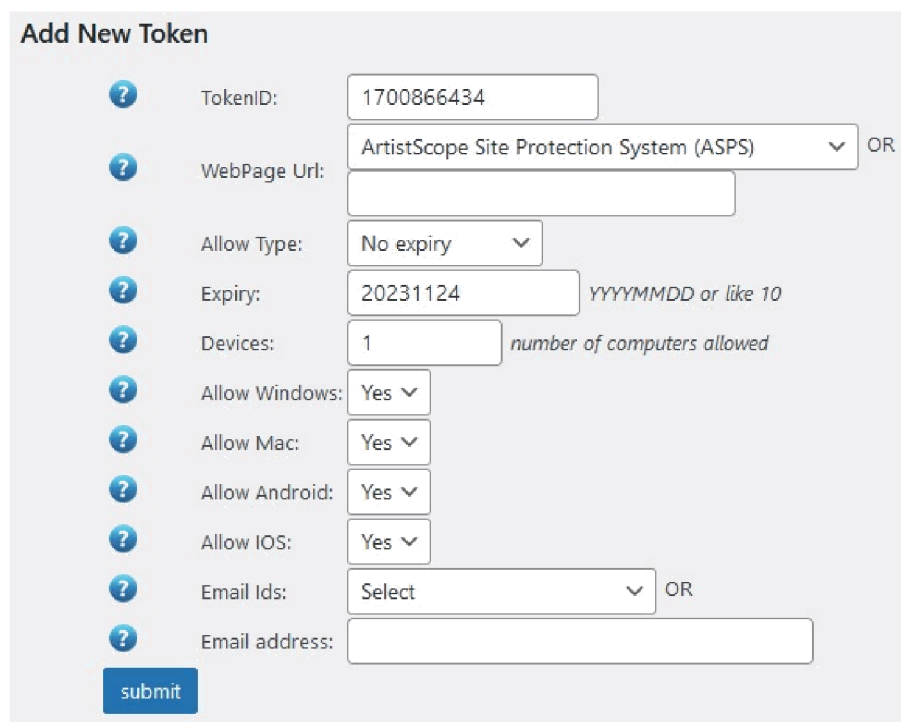
NOTE: Be sure to save the page before adding the shortcode to prevent a token mismatch as seen above.

DRM Tokens

Tokens are assigned per user per url... each user requires their own token. From the SafeGuard DRM plugin settings page you can create DRM Tokens for each user and designate which page they can access and the limitations of that access such as:

- No expiration.
- Expire by calendar date.
- Expire by number of days since first use.
- Expire by number of views.
- Restrict access from Windows, Mac, iOS or Android devices.
- Limit the number of devices allowed.

Note: All tokens should be created from the WordPress plugin settings page. Any changes made from WordPress will update the token records on our server. The only time you should use your control panel at **safeguard.media** is to change email/password, email notification settings, account renewal, or to remove a user's ownership of a token in cases where that token may be resold, like with NFT ownership.



The screenshot shows the 'Add New Token' form with the following fields and values:

- TokenID:** 1700866434
- WebPage Url:** ArtistScope Site Protection System (ASPS) (selected from a dropdown menu)
- Allow Type:** No expiry (selected from a dropdown menu)
- Expiry:** 20231124 (YYYYMMDD or like 10)
- Devices:** 1 (number of computers allowed)
- Allow Windows:** Yes (selected from a dropdown menu)
- Allow Mac:** Yes (selected from a dropdown menu)
- Allow Android:** Yes (selected from a dropdown menu)
- Allow IOS:** Yes (selected from a dropdown menu)
- Email Ids:** Select (selected from a dropdown menu)
- Email address:** (empty text field)

A blue 'submit' button is located at the bottom left of the form.

DRM Tokens can be created in advance at any time for resale to affiliates, etc., or they can be created on demand, ie: when a subscriber pays for a new lesson. If an email address is nominated, then the user will be emailed with instructions for claiming their token. If not then the token will remain unassigned. For WooCommerce users we do provide a plugin to automate the creation of tokens and send the token details by email. When your DRM account is authorized beyond demo status, email our support team for instructions.

Each time that you **List Tokens** your site will retrieve an updated list from which you can see who has been emailed and who has claimed them.

Token Ownership

Once a token has been claimed by a user, it cannot be used by anyone else. However where a site owner wants to allow users to onsell their token, they can use their online control panel to remove the current ownership to allow a new user to claim it. The new user can then claim the token in the usual way.

Token Wildcards

Tokens can be issued to allow multiple pages, like when selling online courses comprised of many lesson, by nominating part of their url that is common to all pages. For example a token for <https://example.com/maths/> will allow access to all pages that include that part like <https://example.com/maths/week1/> and <https://example.com/maths/week2/> etc.

However, because the user will return to the url of the token after claiming it, you must have a page names as the wildcard. Because that url can be the doorway to other pages in that section or course, use it as the course index page.

Token Permissions

Tokens can be modified at any time with immediate effect on any changes made. For example, if a subscriber breaches contract, then their access rights can be cancelled with immediate effect. Likewise a token can be modified to extend the number of devices allowed, the OS types and expiration at any time.

Assigning Tokens To Users

First create the token and then you can email that token to an existing WordPress user.

How Users Can Claim Tokens

First the user needs to use ArtisBrowser to visit a Token page because then they their computer/device ID can be assigned to their account. Once their device ID is in the system their access to the url will be granted automatically.

Users can claim tokens by clicking the link in the email, or when visiting a DRM protected page... if they do not already have access rights to that page, then they will be prompted to claim a token for it.

Depending on how many devices you allow per token, a user may be able to register additional devices by submitting the same token. This is what a token link looks like...

<https://safeguard.media/drm/token.asp?id=1000012@cTdyaXlqYmVMTVBrV0dWRWI1VWpYdlVBcitQQTNySGZKS0NOcHZKR0o5ZUkvNINKWW1e1E1NTl6Q3oyUGIvamFqWFMxbU5PMDM5RXhkV051TjNVVFE9PQ==>

When a user uses that link in ArtisBrowser they can claim ownership of the token and then proceed to the protected page. Once there they can bookmark the page for future use and subsequent visits will be authorised automatically because the system identifies their computer ID and knows that they own the token for that page.

Creating Tokens from WooCommerce

DRM tokens can be automatically created and their details emailed to the user following a successful sale in the WooCommerce shopping cart. We do provide a plugin for that and it is available upon request when your account is established (non-demo).

Account Types and Low Credit Warnings

- **Prepaid Hits** - Each time a DRM page loads, one hit is deducted from your tally (100, 200 or 500 hits).
- **Economy Plan** - is prepaid monthly and allows for up to 2,000 hits during the month.
- **Premium Plan** - is prepaid monthly and allows for unlimited usage for the month.
- **Unlimited Plan** - is prepaid yearly and allows for unlimited usage for the year.

* Email reminders are sent advising of renewal when close to monthly billing dates and low credit thresholds.

SafeGuard DRM Statistics

From your Control Panel at <https://safeguard.media> you view usage and statistics for all requests of your media.

About ArtisBrowser

ArtisBrowser is like most web browsers except that it has been specially designed for copy protected web pages.

Why you should not even try to copy protect content in their normal web browser is because normal web browsers are totally useless for protecting content and the reasons are too numerous to list here. Please see <https://artistscope.com/blog/Are-Popular-Web-Browsers-Good-For-Copy-Protection.asp>

Launching ArtisBrowser

Access to DRM protected pages requires the ArtisBrowser. To claim a DRM Token also requires ArtisBrowser so that the subscriber's Computer ID can be assigned to the token for their authorisation and rights access. However links provided on doorway pages and in emails will be accessed by the subscriber's default browser which is not ideal when ArtisBrowser is required.

For that purpose, ArtisBrowser is packaged with a special launcher so that clicking custom links in a normal web browser will run ArtisBrowser for it to open the nominated web page. Launcher links need to use "asps" instead of "https" like <asps://example.com/login.html>

To date, launcher support is currently available for Windows and Android ArtisBrowser.

However care is to be taken because until ArtisBrowser is installed such links will do absolutely nothing.