



Moodle Plugin for CopySafe Web

-- Installation for Moodle 2.5 and later --

About this Plugin and CopySafe Web

This Moodle plugin enables websites that use Moodle CMS to upload, display and manage pages and posts that show encrypted images created by the CopySafe Web software. When CopySafe Web encrypted images load, they activate the CopySafe Web browser plugin to prevent Print Screen and screen capture. Thus, the addition of even a small encrypted image can be used to add copy-protection to your Moodle pages and protect any media displayed on that page, including Flash and video.

CopySafe Web software is a separate application to this Moodle plugin and a license is required to use it per website. Otherwise, this Moodle plugin is provided as a free add-on.

Domain Lock

CopySafe Web software encrypts images and embeds Domain Lock inside the image, so that they can only be displayed from your website. The images are useless to anyone saving a copy as they cannot be displayed anywhere else. CopySafe Web encrypted images stored on a web server are even safe from your web master. The sample encrypted image is licensed for use at *localhost*.

Using CopySafe Web in Moodle Web Pages

CMS solutions like Moodle, DotNetNuke, WordPress, Drupal, Joomla and others make it easy for non-technical people to create and manage sophisticated websites. But adding new functions requires complex programming that can be beyond most web designers. For this reason, a plugin like this one is provided as an add-on. So that new functions like the display of CopySafe Web encrypted images and the invoking of copy protection when editing new or existing web pages with the Moodle page editor is made as easy as point-and-click with a mouse.

CopySafe Web Software

CopySafe Web images are encrypted and domain locked to a website, so a licensed version of the encryption software is required for each website. CopySafe Web licenses can be purchased online from <http://www.artistscope.com/>

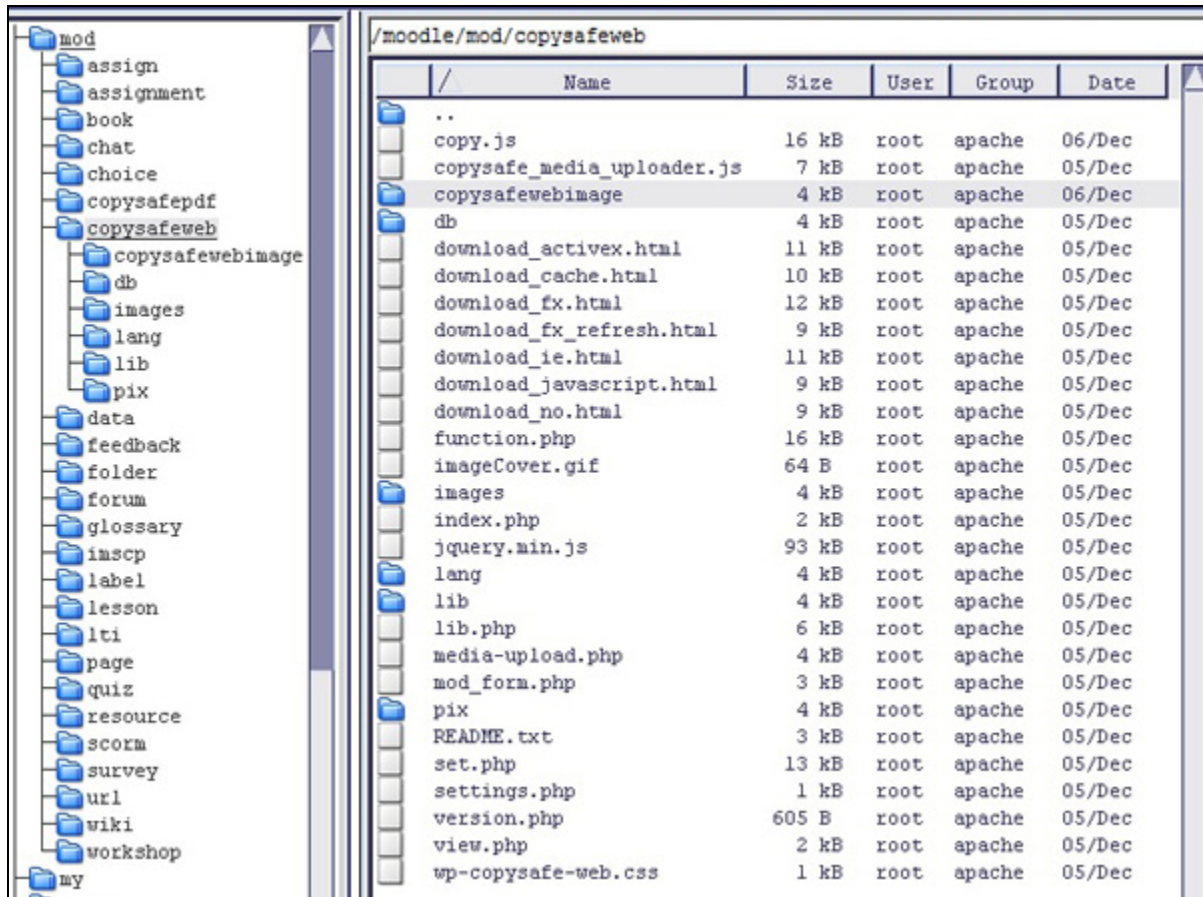
Without encrypted images licensed for your website, you can only use this WordPress plugin in licensed mode at <http://localhost> or in demo or debugging mode.

Installation

This plugin can be installed like most other Moodle plugins.

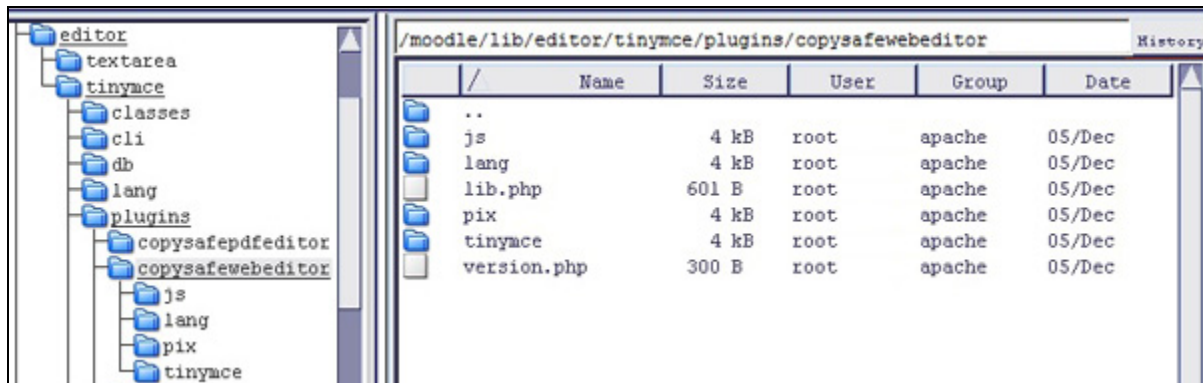
Installation of the CopySafe Web plugin for Moodle

1. Copy the folder named 'copysafeweb' to Moodle's module directory that is 'moodle/mod/'



Check that the user "apache" has read permission on all files in this folder.

2. Set write permissions for user "apache" on the **copysafewebimage** folder.
3. Copy the folder named 'copysafewebeditor' to 'moodle/lib/editor/tinymce/plugins'



Check that the user "apache" has read permission on all files in this folder.

4. Paste the code mentioned below to the end of 'moodle/index.php' file. Note that if the Copysafe PDF module is also installed then you only need to add one existence of jquery.min.js

```
$liburl = new moodle_url('/mod/copysafepdf/jquery.min.js');  
$copyurl = new moodle_url('/mod/copysafepdf/copy.js');  
?>  
<script> var cfgroot = '<?php echo $CFG->wwwroot;?>'; </script>  
<script src="<?php echo $liburl; ?>" type="text/javascript"></script>  
<script type="text/javascript" src="<?php echo $copyurl; ?>"></script>  
<?php
```

5. Also paste the code above to 'moodle/course/index.php' at the end just above the footer code.

6. Also paste the code above to 'moodle/mod/page/view.php' at the end just above the footer code.




7. Also paste the code above to 'moodle/mod/lesson/view.php' at the end just above the footer code.

8. Go to Site Administration > Notifications - Click to 'Update Moodle database now'.

The next window should report that both plugins have been successfully installed.

Click to continue. You should then be redirected to the Settings page.

9. Set priority - Site Administration -> Plugins-> Text editors-> Manage editors, move TinyMce to top.

Available text editors				
Name	Enable	Up/Down	Settings	Uninstall
TinyMCE HTML editor		↓	Settings	Uninstall
Atto HTML editor		↑ ↓	Settings	Uninstall
Plain text area		↑		

10. Nominate the settings applied to all CopySafe Web pages.

Note: only one instance of jquery.min.js is required, so if you also have the CopySafe PDF module installed on the same web site, you only need one instance of \$liburl mentioned in step 4.

Module Settings

These settings are applied to all CopySafe Web pages, unless otherwise specified on individual pages.

Settings

Default settings applied to all protected pages:

Mode:	<div>Licensed</div>
Allow ASPS:	<input checked="" type="checkbox"/> Default: No
Allow Chrome:	<input type="checkbox"/> Default: No
Allow Firefox:	<input checked="" type="checkbox"/> Default: No
Allow IE:	<input type="checkbox"/> Default: No
Allow Opera:	<input type="checkbox"/> Default: No
Allow Safari:	<input type="checkbox"/> Default: No
Language:	<div>English</div> Default: English

Mode

You can set the Mode and change it at any time for debugging purposes:

1. Demo Mode - displays a placeholder image.
2. Licensed Mode - displays encrypted images and activates the CopySafe Web browser plugin.
3. Debugging Mode - displays the html used in the object tag in a text area form object.

Select Browsers

This selection enables site owners to control who can access their protected web pages. If a browser is not allowed, then site visitors using that web browser will be redirected to a page explaining that their browser was not permitted by the site owner. Browser selection is commonly used in corporate intranets where all users might be using the same browser. However the most recent versions of popular browsers no longer support real plugins so the best option is to require that visitors use the ASPS web browser only for its no-nonsense support for copy protection and the added protection provided by a browser that is properly designed to protect web content rather than expose it.

Language

The default language is English but you can use this setting to change the language to be used on all pages. This language setting is only applied to the buttons and messages within the Reader window area.

Web Browser Plugins

CopySafe Web Browser Plugin Installation

Viewing protected images that are displayed on a web page using a web browser requires a browser plugin. By installing the CopySafe Web browser plugin, users can then access the protected pages and view encrypted images.

When anyone loads a web page that displays CopySafe Web encrypted images, their browser is checked for the plugin and if it is not found, they will be redirected to the appropriate download page with further instructions.

Plugin Downloads

This module includes the download page for the CopySafe Web plugin installers. That page currently links to the ArtistScope download site for the installer, but you are most welcome to download the installer and host it on your own website. Note that if you are doing this, then you will have to edit the download page to point to the new location of the download file.

Customizing the Download Pages

Any files found in the CopySafeWeb folder that use “download” in their file name can be safely edited without affecting this module’s functions.

Licensing

This Moodle module is free. However, you will need a license to use the CopySafe Web image encryption software. See – https://www.artistscope.net/ssl/order/order_web.asp

Using the Moodle Module for CopySafe Web

Add the code to display encrypted images at the cursor position by clicking the [C] button:

Edit course settings

General

Category ? Miscellaneous

Course full name* Test Copysafe

Course short name* test

Course ID number

Course summary

Font family Font size Format

B I U ABC x₂ x³ [List Icons] [Link Icon] [Image Icon] [Table Icon] [Media Icon] [Code Icon] [HTML Icon]

cursor position > |

CopySafe Web button

Next you will be presented with an upload window:

Add New Search Existing Files

Add New Class File

BROWSE No file chosen **Upload**

Maximum upload size: 100000KB

You can choose file options after file is uploaded.

If you use same name with uploaded class file, it will be overwritten.

Click “Browse” to select a CopySafe Web encrypted image from your computer.

Then click “Upload”.

When the upload completes you will then see the window for Page Settings.

Page Settings

The screenshot shows a web application window with a title bar. At the top, a message reads: "File Uploaded. You must save 'File Details' to insert post". Below this is a navigation bar with three tabs: "Add New", "Search" (highlighted in orange), and "Existing Files". Under the "Search" tab, there is a search icon and the text "Search File". A "Search" button is next to a text input field containing "yacht580_0580_0386_". Below the search section, there is a document icon and the heading "Page Settings". This section contains a list of settings, each with a question mark icon in a blue circle: "Border size:" with a text input field containing "0"; "Border color:" with a text input field containing "000000"; "Text color:" with a text input field containing "FFFFFF"; "Prevent Capture:" with an unchecked checkbox; "Prevent Keyboard:" with an unchecked checkbox; "Prevent Menus:" with an unchecked checkbox; "Prevent Remote:" with an unchecked checkbox; "Loading message:" with a text input field containing "Image loading..."; "Hyperlink:" with an empty text input field; "Target frame:" with a dropdown menu showing "_top"; "Width:" with a text input field containing "50"; and "Height:" with a text input field containing "50". At the bottom left is a "Save" button, and at the bottom right is a "Cancel" button.

After selecting the settings for this image display, you must click “Save”.

Border size, border color and **text color** can be used to add a frame around the image, ie: border = 10 will add a 10 pixel border. The text color governs the color of text displayed while the image downloads.

Prevent Capture means what it says. Unless this option is enabled then users can use Print Screen and screen capture software to copy your web pages. This setting also activates scripting to disable right-click mouse options and drag-drop of images to the desktop.

Prevent Keyboard can disable use of the keyboard but may not apply to all web browsers.

Prevent Menus can disabled browser menus but may only apply to some web browsers*.

* Web browsers can change how they behave with every new version. What may be supported today can be dropped tomorrow and then return months later. Today both Firefox and Chrome web browsers change major version numbers every 1-3 months and are prone to radical changes

Prevent Remote can stop computers running Windows in a VM from accessing your protected pages, such as when Mac users install Parallels to run Windows on their Mac. The significance of preventing remote viewing is that while running Windows the user can take screenshots from the main OS. Thus allowing remote view is not recommended.

Loading message is the text that is displayed while the image downloads.

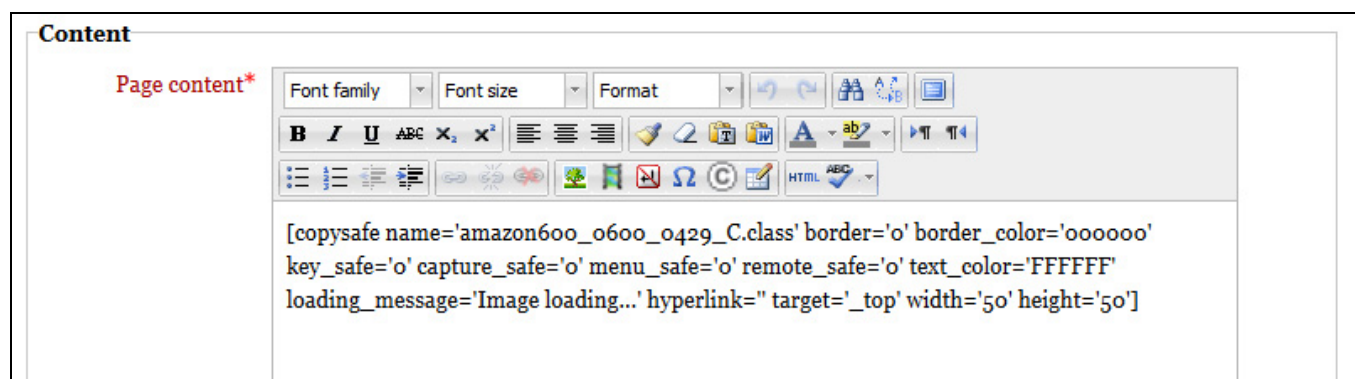
Hyperlink can be used to place an active hyperlink on the image area. Simply leave this blank if no link is required. **Target frame** only applies if a hyperlink is applied.

Width and Height

Width and height of the image area (set in pixels) can be set proportionally to any size and the original size can be determined from the file name, for example, a typical CopySafe Web encrypted image file name might look like:

octopus_museum_0399_0429_C.class – from this file name it can be established that the width = 399 pixels and the height = 429 pixels.

Unlike earlier versions of CopySafe Web that used a Java applet to decrypt and display the image, recent versions of CopySafe Web no longer use Java and instead use ActiveX. Consequently the functions for rendering the encrypted images has changed dramatically and it's now possible to rescale CopySafe Web encrypted images without limitation. So height and width settings can be set that will over-ride the original format. Now the same image can be displayed at any size and it can also be used as a thumbnail.



The “shortcode” that you see in the image above can be manually edited at any time.

Licensing and Support

CopySafe Web Plugin Installation

Viewing CopySafe protected web pages using a web browser requires a browser plugin. By installing the CopySafe Web plugin, users are then equipped for web browsing reading online. When anyone loads a web page that displays CopySafe Web pages, their browser is checked for the plugin and if it is not found they will be redirected to the appropriate download page with further instructions.

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Customizing the Download Pages

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Licensing

This Moodle plugin is free. However, you will need a license to use the CopySafe Web software to encrypt images for upload. Each site needs to be registered for Domain Lock. See – https://www.artistscope.net/ssl/order/order_web.asp

Troubleshooting

The latest help and support tips can be found online in our service forum at www.artistscope.com

Uploaded .class is not added to the editor

The most probable cause for this is wrong TinyMCE version specified in **media-upload.php**. For example Moodle 2.5.1 used editor version 3.5.8 but by Moodle 2.5.9 the editor changed to 3.5.10. Check lines 20, 21 and 22, then check the version of editor at `/lib/editor/tinymce/tiny_mce` and if they do not match change lines 20, 21 and 22 so that the version matches

Image does not display

Some possible causes can be:

- The module's settings are not set to *Licensed Mode*.
- The encrypted image was not created for the domain displaying it.
- An encrypted PDF was elected instead of an encrypted image - you can tell the difference by the file name as CopySafe Web images include the image width and height in their name.
- JavaScript is disabled or there are JavaScript errors on the page.
- The CopySafe Web browser plugin is either not installed or the browser type not supported.

Module is not working

If you are getting errors following installation or when you try to use the module:

- Check that the module version matches your version of Moodle.
- Check the install instructions especially the final stage.
- Try a refresh of your browser cache and the site cache.

Add as a Page and not an Activity

Adding CopySafe Web as an *Activity* may return an error. We found that category id = 1 is hard coded and that if category id = 1 is not found in the Moodle site then the error is given. If your site has category id = 1, then there will be no error message.

NOTE: This module is not designed to function as an *Activity* so it should not be used by adding an *Activity* to a course. Instead, to display CopySafe Web you need to select "Create a new PAGE" and then insert the image from the [C] button in the editor's tool bar.