



Moodle Plugin for CopySafe Video

About this Plugin and CopySafe Video

This Moodle plugin enables websites using Moodle CMS to upload, display and manage CopySafe Video protected video on pages and posts created by the Moodle online editor software. CopySafe Video software is a separate application to this Moodle module and a license is required to apply Domain Lock on protected video so that they remain secure while displayed on your website.

This Moodle plugin is provided as a free add-on.

Domain Lock

Using Domain Lock prevents your protected video from being exploited by display on any other website, where protection levels can be altered to enable copy and dissemination of your video. But when Domain Locked to your website, it can only be displayed on your web pages, where you have control over the protection settings. To use Domain Lock you first need a license for the CopySafe Video Encoder software, plus a license key for each website that you want to use.

Using CopySafe Video in Moodle Web Pages

CMS solutions like DNN, Joomla, Drupal, Moodle, WordPress 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. So a plugin like this one is provided as an add-on, so that new functions like the display of CopySafe Video video files, is made as easy as point-and-click with a mouse, while editing new or existing web pages with Moodle page editor.

Installation

This plugin can be installed like most other Moodle plugins by copying the files to the plugins folder and enabling the plugin from the site admin's Configuration page.

Browser Support

The latest versions of popular browsers like Internet Explorer, Chrome and Chromium clones like Edge, Opera and Safari no longer support NPAPI browser plugins that can interact with a computer at system level. So today, only the ArtisBrowser, one properly designed to protect rather than exploit web media, will provide no-nonsense support for all CopySafe solutions.

From your settings page you can nominate which browsers are allowed access. For the most secure protection we recommend that you allow the ArtisBrowser only. This module includes the appropriate detection and download pages to redirect if required.

Installation of the CopySafe Video module

1. Unzip copysafevideo.zip and copy the folder named 'copysafevideo' to the '/mod/' directory Check that the user "apache" has read permission on all files in this folder.
2. Set write, read and execute permissions for user "apache" on the copysafevideoimage folder. On some systems you may need to change SELinux Context by using:

```
# chcon -R -t httpd_sys_content_rw_t /var/www/html/example.com/mod/copysafevideo/copysafevideoimage
```
3. Unzip the 'copysafevideoeditor.zip' and copy the folder named 'copysafevideoeditor' 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 just above the footer code.

```
$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 '/course/index.php' at the end just above the footer code.
6. Also paste the code above to '/mod/page/view.php' at the end just above the footer code.
7. Also paste the code above to '/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 PDF pages.

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

* Pages like /mod/lesson.view.asp may require 2 instances on the new code to satisfy the if/else condition.

Module Settings

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

CopysafeVideo

Settings

Default settings applied to all protected pages:

Mode: <small>CopysafeVideo_mode</small>	<input type="text" value="Licensed"/>	
Width - in pixels: <small>CopysafeVideo_width</small>	<input type="text" value="600"/>	Default: 600
Height - in pixels: <small>CopysafeVideo_height</small>	<input type="text" value="400"/>	Default: 400
AllowRemote: <small>CopysafeVideo_allowremote</small>	<input checked="" type="checkbox"/> Default: No	

Browser allowed

Allow ArtisBrowser: <small>CopysafeVideo_allowasps</small>	<input checked="" type="checkbox"/> Default: No	
Allow Chrome: <small>CopysafeVideo_allowchrome</small>	<input checked="" type="checkbox"/> Default: No (for test by admin only)	
Allow Firefox: <small>CopysafeVideo_allowfirefox</small>	<input checked="" type="checkbox"/> Default: No (for test by admin only)	
Minimum version:	<input type="text" value="27.11"/>	Default: 27.11

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 video and activates the CopySafe Video 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 CopySafe Video pages. The most recent versions of popular browsers no longer NPAPI plugins so the only option is to require that visitors use ArtisBrowser only for its no-nonsense support for copy protection and its added protection.

Firefox and Chrome can be used by admin for testing in Debug Mode, but they should not be left enabled because they cannot display the video.

Using the CopySafe Video module

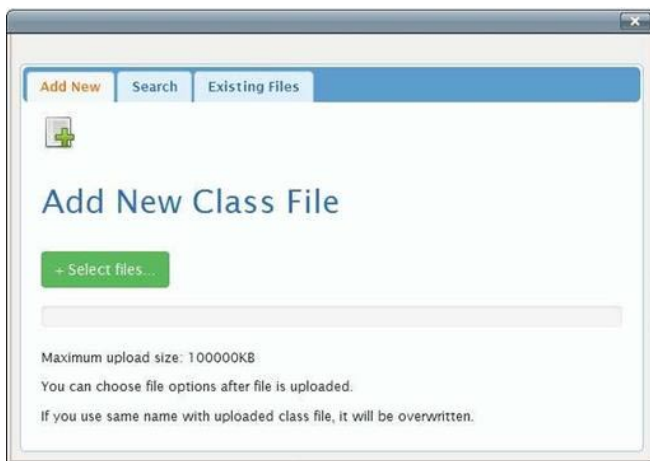
To create a CopySafe Video display select to add a new Resource to a course and then select New Page (not an Activity). To show the full tool bar options, click as below:



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



From the next screen select to upload or select from existing files that have already been uploaded.




EXISTING FILES provides a list of already uploaded .class files for direct insertion while opting to BROWSE will enable the upload of new .class files and nominate page settings in the same operation.




File Uploaded. You must save "File Details" to insert post

Add New Search Existing Files





Search File


Search File name : Hyperlinks.class



Page Settings

 Viewer width: 600

 Viewer height: 600

 Allow remote: ☐

Save Cancel

The image shows a rich text editor toolbar with various icons for text formatting (bold, italic, underline, strikethrough, text color, background color, font family, font size), list creation (bulleted, numbered), indentation, alignment, link, unlink, and media insertion. Below the toolbar, a text input field contains the following code:

```
[copysafevideo name='Media_Player_Intro_vid.class' bgwidth='600' bgheight='400'  
allow_remote='1']
```

Once the shortcode for your encrypted video is added and the page has been saved, you may no longer be able to edit the same shortcode by clicking on the [Video] button. But now that you have shortcode, you can edit it manually at any time.

Licensing and Support

CopySafe Video Player Installation

Viewing protected video displayed on a web page using a web browser requires a browser plugin. By installing the ArtisBrowser, users are then equipped with CopySafe Video support and a web browser that can still support real browser plugins.

When anyone loads a web page that displays CopySafe Video, their browser is checked, and if either the browser plugin is not found or the ArtisBrowser not being used, they will be redirected to the appropriate download page with further instructions.

Browser & Plugin Downloads

This ArtisBrowser is a free download to the public and includes support for all CopySafe solutions.

Customizing the Download Pages

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

Testing at Localhost

Included in your package is an encrypted video (localhost_sampe.class) that can be uploaded and displayed at <http://localhost>.

Licensing

This Moodle plugin is free. However, you will need a license to use the CopySafe Video Encoder and Domain Lock. See – https://www.artistscope.com/copysafe_video_protection.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.

Check file permissions on the upload folder (as mentioned above)

Image does not display

Some possible causes can be:

- The module's settings are not set to Licensed Mode.
- The encrypted video was not created for the domain displaying it.
- JavaScript is disabled or there are JavaScript errors on the page.
- The ArtisBrowser is missing the CopySafe Video Player plugin -download and install the latest version of ArtisBrowser .

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 Video 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 Video you need to select "Create a new PAGE" and then insert the video from the [Video] button in the editor's tool bar.