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 plugin does not provide copy protection on its own, but it does provide the means of displaying CopySafe Video on your web pages, and it is the CopySafe Video browser plugin that provides copy protection. Otherwise this WordPress plugin is provided as a free add-on.

Using CopySafe Video in Moodle Web Pages

CMS solutions like Joomla, Drupal, Moodle and WordPress 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 videos, is made as easy as point-and-click with a mouse, while editing new or existing web pages with Moodle page editor.

Domain Lock

Using Domain Lock prevents your protected video from being exploited as it prevents your encrypted video from being displayed on any other website. To use Domain Lock, you first need a licensed version of the CopySafe Video Encoder software, the program that converts and encrypts your videos, plus a license key for the website that you want to use.

Browser Support

The latest versions of popular browsers cannot support copy protection. However the ArtisBrowser, one properly designed to protect media rather than exploit it, will provide no-nonsense support for this CopySafe solution.

From your settings page you can nominate which browsers are allowed access. We recommend that you allow ArtisBrowser only. Firefox and Chrome may be used for debugging only but will not display this video. This module includes the appropriate detection and download pages. This module includes the appropriate detection and download pages.

Watermarking

CopySafe Video version 7.0 and later browser plugins now support optional watermarks. Watermarks can be enabled or disabled from plugin settings. When enabled, if the web page is accessible to non-logged in users, then their IP address and current date will be overlaid onto the video.

Font style, font size, font color and its position in the video area can be nominated in plugin settings.

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. 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.
5. 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	👁	↑		

6. Nominate the settings applied to all CopySafe PDF pages.

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

Module Settings

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 only web browser that can support copy protection and this module is ArtisBrowser. However Firefox and Chrome may be used by admin for testing in Debug Mode, but they should not be left enabled because they cannot display the video. Only ArtisBrowser version 30.0 can display this plugin with watermark (CopySafe Video 7.0).

Player Window Size

You must nominate the width and height of the player window to accurately match the proportions of your video. However you can display it smaller providing that you keep the same with-height ratio.

Note: that you need to add 100 pixels to the height of the video for the player's toolbar.

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

Settings

Default settings applied to all protected pages:

Mode:	Licensed ⬍	
CopysafeVideo_mode		
Width - in pixels:	600	Default: 600
CopysafeVideo_width		
Height - in pixels:	400	Default: 400
CopysafeVideo_height		
AllowRemote:	☑ Default: No	
CopysafeVideo_allowremote		

Browser allowed

Allow ArtisBrowser:	☑ Default: Yes	
CopysafeVideo_allowasps		
Allow Chrome:	☐ Default: No	
CopysafeVideo_allowchrome		
	(for test by admin only)	
Allow Firefox:	☐ Default: No	
CopysafeVideo_allowfirefox		
	(for test by admin only)	
Minimum version:	30.0	Default: 30.0

Watermark

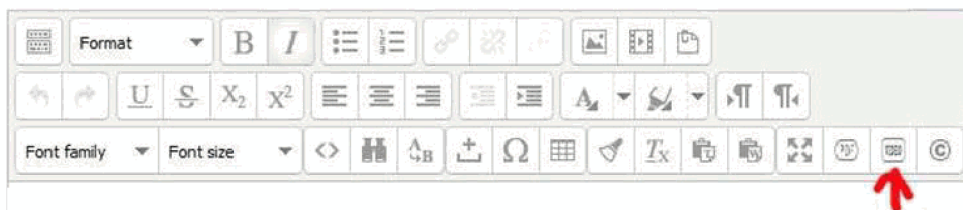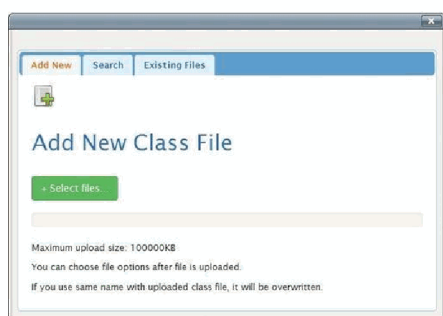|	
Enabled:	on ⬍
CopysafeVideo_watermark	
Text Size: (in Px)	15 ⬍
CopysafeVideo_fontsize	
Color	Red ⬍
CopysafeVideo_color	
Position:	Bottom ⬍
CopysafeVideo_position	
Transparency:	90% ⬍
CopysafeVideo_transparency	

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.

SELECT FILES will enable you to select a new .class file for upload and set new page settings.

After clicking Save you need to select the .class file for insertion from a new list.

Editing the Shortcode

Once the *shortcode* for your encrypted video is added and the page has been saved, you can edit it manually at any time. But be aware that the watermark parameter will at this stage only show "setting" and that it will be populated dynamically to include the user's details.

Licensing and Support

CopySafe Video Player Installation

Viewing requires the ArtisBrowser, which is the only browser that can support CopySafe and copy protection. If ArtisBrowser is not of minimum version, the user will be redirected to the download page with instructions.

Customizing the Download Pages

Any *.html* files found in the CopySafeVideo folder can be edited without affecting this plugin's functions.

Testing at Localhost

Included is *localhost_sample_asvid.class* for testing at http://localhost.

Licensing

This Moodle plugin is free. But a license is needed for the CopySafe Video Encoder and Domain Lock.

Troubleshooting

Uploaded .class is not added to the editor

Wrong TinyMCE version specified in media-upload.php. Check file permissions on the upload folder.

Image does not display

- 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 version 30.0 is not being used.

Module is not working

- 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.