ArtistScope Web Encrypt is an online page maker and encryption tool for installation onto any web site that has ASP and Access or MS-SQL database support. Create and encrypt new web pages from your web site with a sophisticated inbuilt html editor. Using the online html editor you create new web pages for encryption and save them to your database. Upload images, set font style, colour and size, embed Flash and video, set expiration dates and more.

The process of encryption scrambles data in such a way that the original information can only be recovered using a corresponding decryption process and the correct key. Encryption and decryption are common techniques in cryptography and the scientific discipline behind secure communications.

The main advantage of using ArtistScope Web Encrypt is that usually one has to encrypt their web pages offline because their encryption software only runs on their local computer. Then you have to upload the encrypted web pages which becomes an even bigger chore when you want to make even the smallest modification. But with ArtistScope Web Encrypt your editing is performed online, from your web site, and the page is saved directly to your database online. So when you want to make even the smallest change to a page, you simply open it online in the page editor, make your changes online and then save it back to your database, enabling you to make quick changes within seconds instead of taking several minutes.

Web page encryption

ArtistScope Web Encrypt doesn’t rely on JavaScript which provides easy access to the encryption algorithm used and its unlock key. Instead Web Encrypt uses server side code behind the web page that is not accessible to the public, thus providing the security that your sensitive data and information demands.

The advantages of using encrypted web pages

The main advantage of using web page encryption is that if the web page also checks that a visitor is actually using a web browser and properly visiting otherwise page will be inaccessible. By "inaccessible" meaning that it cannot be read by the numerous softwares available today designed specifically to download your web pages and even copy your entire web site.

Because the HTML will not display then any links pointing to images and other media files are also protected and cannot be downloaded... that is until you allow the page to download and decrypt to display is original form. ArtistScope Web Encrypt uses a special 64-bit private-key algorithm similar to DES, which is impossible to hack without at least having the algorithm used or the key for decryption.

Web Encrypt Features

- New web pages can be created using an online HTML editor and image uploader
- Web pages can be encrypted for database delivery
- Fully supported on all web sites with ASP and Access database support

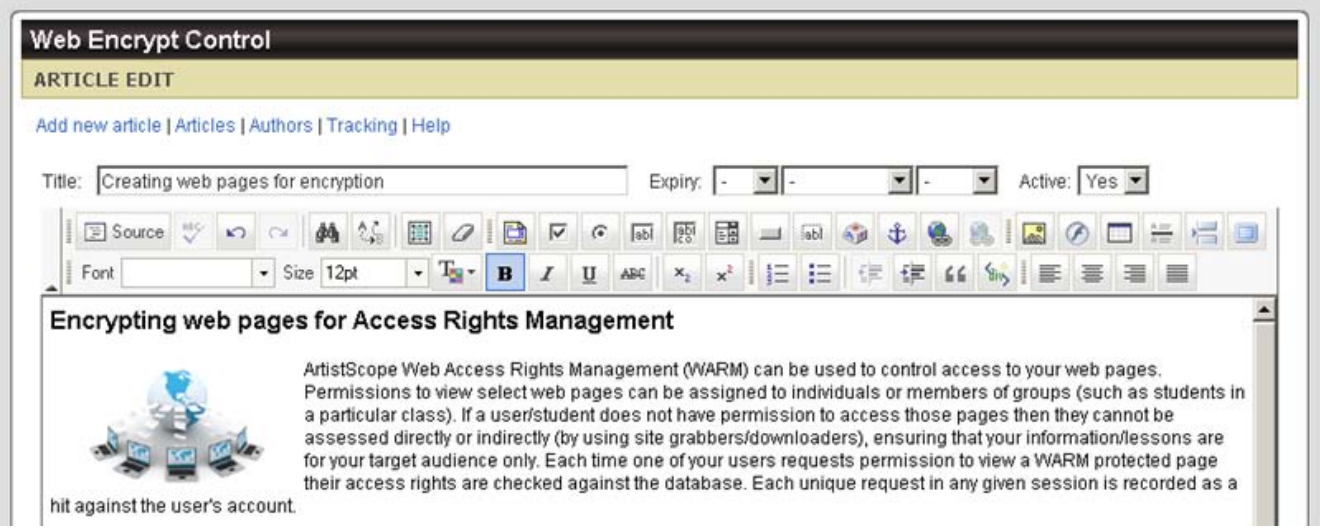
Page tracking

Your tracking page will show you the current visitors to your pages in the last 2 hours.

Expiry dates

When setting expiration for a web page, the expiry date is stored on record and can be changed at any time. Expiry dates will expire at midnight of that day according to GMT. If no expiry is to be set, leave this field blank.

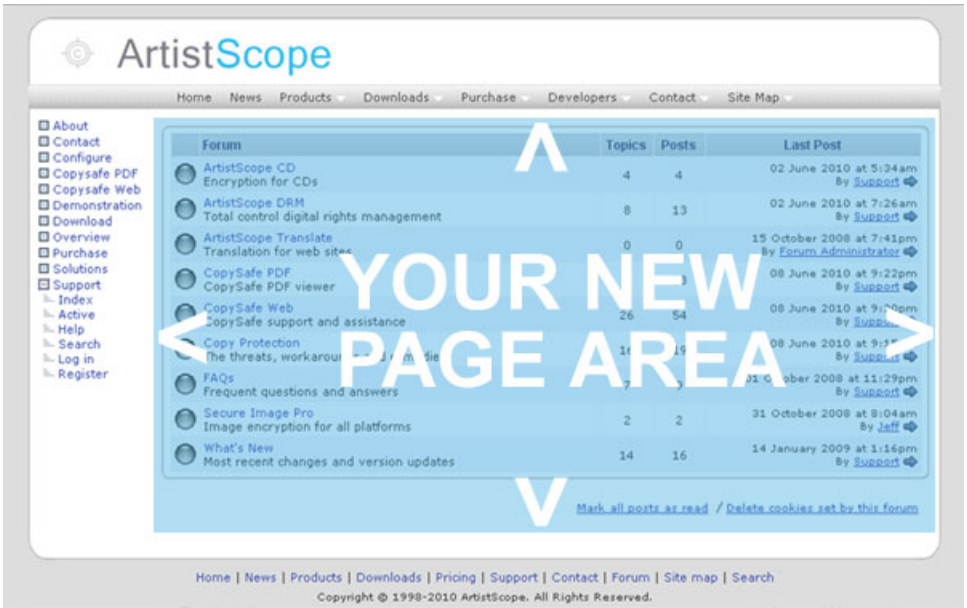
Online web page creation



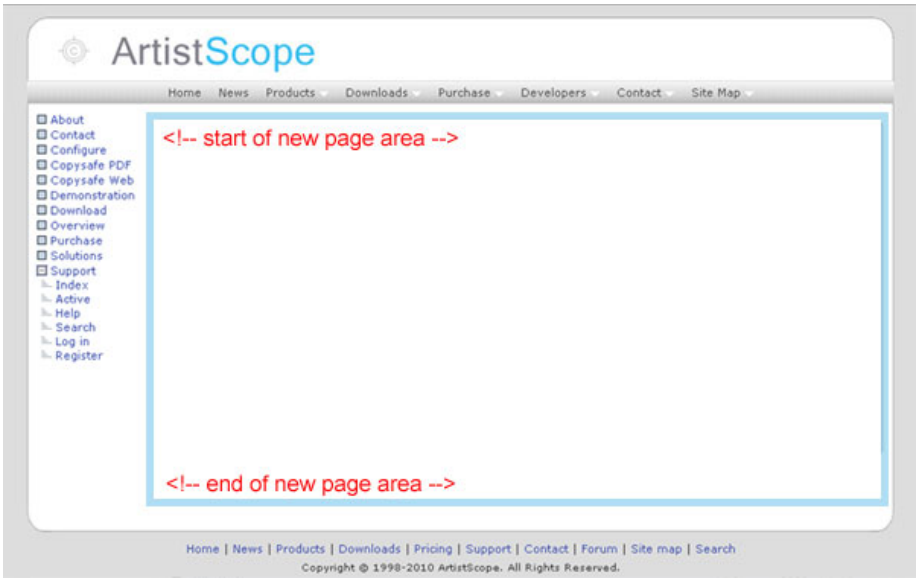
Using the inbuilt page maker you can create new web pages with full control over the html format. You can upload images, embed Flash and video, set expiration dates and more. When your page is saved it is encrypted and added to your database.

Creating header and footer templates

Creating header and footer templates is simple. First thing to do is find an existing web page that has the content and layout that you want use. Then open your selected page in a web browser and save the page as "html only". Do not save as "whole page" because it will save all images and change the image links to point to a new folder. You don't want that so simply save as html only and then you will only have the html with the links as they should be.



Open the saved page in Notepad and add the comment tags (seen in red) to denote the start and end of the new page content:

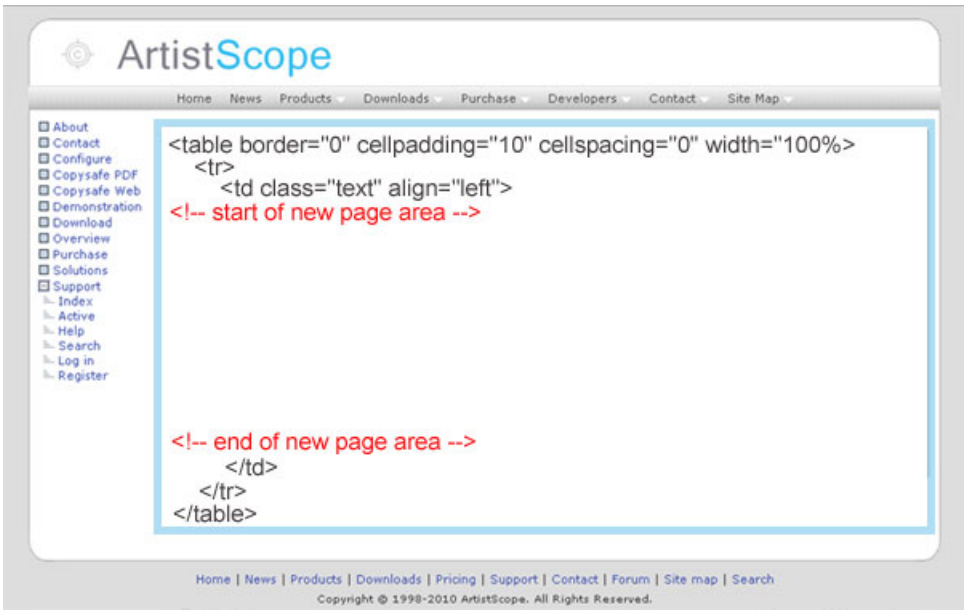


Now if you copy'n'paste all of the html code from the top of the html page to "start of new page area" then you will have the code to use as your Web Encrypt page header. The html code form "end of page area" to the end of the html page will be the code to use for your Web Encrypt footer. Now copy'n'paste into the relevant fields and then save the template.

You don't have to worry about special characters causing database errors because the header and footer are also encrypted and will no longer be in any format to affect database record formats.

Standardizing text format

To maintain that all Web Encrypt web pages look and feel the same as your existing web pages, you may want to use the same font styles, colours and sizes. For example perhaps your web site already use a CSS style sheet (style.css). To use the same style sheet when inputting the page content all you have to do is make sure that font style and size is not set using the page editor. When the page editor saves your input it replaces all the paragraph tags <p> with page breaks
 so that the font style applied by the table cell will apply to all text.



For your new page area to use your CSS style add table html as seen above. Where it says class="text" may have to be changed to suit your style sheet. For example you have used a different class name instead of "text". When using the CSS style sheet nominated in your header template, you can still use font formatting in special cases like headings which you may want bold or larger, or even a different color.

Sterilizing text input to remove unwanted formatting

Whenever writing content to add to web pages, a good practice to get into is finally dipping your text into Notepad to remove all the unwanted formatting specifications that programs like Word will add to text. Copy'n'pasting directly from Word into most html editors in preview mode (and the same applies when pasting into our page editor) you will end up with a lot of hidden code that if anything will ruin whatever text format you have in mind. So first copying to Notepad and then copying from Notepad will remove all of the unwanted rubbish.

Requirements

Web Encrypt does not require DLLs to be installed on the web or the server. For your installation and management all that you need is a web site on a Windows web server with ASP support. For example, a FrontPage web site will be most adequate. Database support can be either Access or MS-SQL.

Installation

1. Unzip the install package
2. Upload the “webencrypt” folder to the root of your web site
3. Set read/write permissions on the “dbase” folder if the Access database is used.
4. For MS-SQL create a new database and import the tables and data.
5. If modify your database path and default settings in the *dbconnection* file
6. Set read/write permissions on the upload folder named “webimages”.

Now point your web browser to http://yoursite.com/webencrypt/

Database connection strings

If you are adding Web Encrypt to existing web pages that already have connection strings for another database, you can proceed to add these because the code inserts have been designed to be unique and thus not interfere with any existing calls. Another option is to graft the database databases tables onto your existing database.

Whether you are using MS-SQL or an Access database the tables for Web Encrypt can be added to an existing database. For Access databases simply open each database and copy’n’paste the Web Encrypt tables to your existing database taking care to ensure that the table names are the same.