Bugs & Wish list

Hotlink prevention, security enhancement and feature addition via short url functionality | Tiki Wiki CMS Groupware :: Development
Hotlink prevention, security enhancement and feature addition via short url functionality

Status

🟢 Open

Subject

Hotlink prevention, security enhancement and feature addition via short url functionality

Version

16.x

Category

- Feature request

Feature

File Gallery (elFinder or standard UI)

Resolution status

New

Submitted by

Niel Hirjee

Lastmod by

Niel Hirjee

Rating

★ ★ ★ ★ ★ (0) ❓

Description

Since the short Url feature is being added to Tiki, could it not be combined with file galleries such that a file in a gallery is linked or displayed by using a short Url instead of the file Id?

This will enhance security and add new functionality to Tiki. Currently the value of fileId is sequentially generated and is therefore predictable: visitors can easily scrape off files from a tiki install by using tiki_download and incrementing the value of fileId inside a loop. Additionally, files can be hotlinked.

To fortify tiki against this, all that needs to be done is to combine the new short Url functionality with file galleries: if plugin files is used with a parameter, say "mask" or "obfuscate", then the fileId will be substituted with a short code. For example, the user enters tiki-download_file.php?fileId=1 in the wiki text editor, just as before, but if the obfuscate="y" parameter is used then the html will show tiki-download_file.php?fileId=RandomShortURLhghhgfftrdfgnj

As an additional feature, if the duration (life / validity) of the short code can be user defined per gallery / file / plugin files parameter, then tiki-download_file.php?fileId=RandomShortURLhghhgfftrdfgnj will stop serving fileId=1 after that time. Tiki could then be made to serve content via perishable and non predictable file names - just like the big CDN companies such as Akamai do.

I imagine this would be fairly simple to implement and would add a very useful feature to Tiki.

For a simple implementation of this idea, see:
https://github.com/spatie/url-signer

Importance
> 2

Easy to solve?
> 8

Priority
> 16

Demonstrate Bug (Tiki 19+)

Please demonstrate your bug on show2.tiki.org

Version: trunk ▼

Demonstrate Bug (older Tiki versions)

Ticket ID
> 6238

Created
> Tuesday 10 January, 2017 21:56:49 GMT-0000
> by Niel Hirjee

LastModif
> Thursday 02 February, 2017 12:23:05 GMT-0000

Comments

Attachments

filename	created	hits	comment	version	filetype

No attachments for this item

The original document is available at
https://dev.tiki.org/item6238-Hotlink-prevention-security-enhancement-and-feature-addition-via-short-url-functionality