Plugin Archive Builder

Wikis are a great central repository for everyone to access the information. However, when used within the boundaries of an organization, it may be hard to provide only a portion of the information to an external group of people. Although it may be possible through assigning permissions, it still requires to grant them access to the wiki, provide them with accounts and walk them through the process of finding what they need. Just sending them a zip with the information they need might just be easier. This wiki plugin, introduced in Tiki5, does just that. Through arguments, it allows to define the content of an archive. Once rendered, it displays a **Download archive** button to generate the archive on the fly.

Requirements

The print as PDF mechanism uses the standard wiki print feature. However, the PDF generation is done through external HTML to PDF tools. These must be enabled and configured. Here are the alternatives. Chose one:

1. Webkit wkhtmltopdf
    - Download wkhtmltopdf and place the executable somewhere on the host. Make sure it is executable from the web server.
    - Set *PDF from URL* to *Webkit* (preference: print_pdf_from_url set to webkit)
    - Set *Webkit path* to the full path to your executable. For example **/home/doc.tiki.org/webkit/wkhtmltopdf**.(preference: print_pdf_webkit_path)
2. Webservice
    - Set *PDF from URL* to *Webservice* (preference: print_pdf_from_url set to webservice)
    - Set *Webservice URL* to the service location. The webservice must take the URL as the query string. A sample PHP script is available below. (preference: print_pdf_webservice_url)

Why is configuration required?
wkhtmltopdf is written in C++ and there are different packages for Windows/Linux/MacOSX and thus it's better to install separately.

Moreover, some servers may not allow shell execution, which is required. This can be worked around by installing it on a different server and accessing it remotely.

Access rights

Because the content of the page is accessed through a URL, access rights must be managed correctly. If permissions protect the page from being visible to anonymous or plugins render it differently for them, an additional feature must be enabled.

The Token Access feature allows the archive builder to generate tokens bound to a specific URL. The PDF generator will then include the token as part of the URL. Doing so will grant the same groups to the PDF generator as the groups used by the archive requester. By default, the token will be available for 30 seconds.

Parameters

Define an archive that can be downloaded
Introduced in Tiki 5. Required parameters are in **`bold`**.
Go to the source code
Preferences required: wikiplugin_archivebuilder

Parameters	Accepted Values	Description	Default	Since

(body of plugin)	Description of the archive content. Multiple handlers are available for content types. One per line. Ex: page-as-pdf:some-folder/foo.pdf:HomePage , tracker-attachments:target-folder/:3435	
`name`	Upon download, the name of the file that will be provided.	5.0

Body

The body of the plugin simply contains a list of rules to determine which file to create and where to take the content from. Each line is independent. Arguments are separated by colons. The first argument indicates how to treat the rest of the line. The following tokens may be used:

- **page-as-pdf** to take render the content of a page as a pdf.
  - First argument is the name and location of the PDF in the zip file.
  - Second argument is the page name.
- **tracker-attachments** to collect all attachments on a tracker item and store them in a folder.
  - First argument is the name of the folder in which files will be added.
  - Second argument is the ID of the tracker item.
- **tracker-files** to collect all files, from the file gallery, on a tracker item and store them in folders.
  - First argument is the name of the base folder in which files will be added, groupped in directories with the name of the field
  - Second argument is the ID of the tracker item.

Example

Sample usage

```
{ARCHIVEBUILDER(name=DF120-Summary.zip)} page-as-pdf:DF120/Vision.pdf:VisionDF120 page-as-pdf:DF120/Team.pdf:TeamDF120 tracker-attachments:DF120/Requirements/:2232 {ARCHIVEBUILDER}
```

The output of the available plugin might look like:

- DF120-Summary.zip
  - DF120/
    - Requirements/
      - performance.doc
      - mockup.png
    - Vision.pdf
    - Team.pdf
  - manifest.txt *(automatically generated, containing the list of files)*

Sample webservice

generate_pdf.php

```
<?php $query = $_SERVER['QUERY_STRING']; if( ! empty( $query ) ) { header( 'Content-Type: application/pdf' ); $query = escapeshellarg( urldecode( $query ) ); echo `../wkhtmltopdf-i386 $query -`; } ?>
```

Collection of References on doc.tiki.org

- Print general info about printing

- PDF general overview about PDF creation in Tiki
- mPDF create PDFs from Tiki content (advanced library that works even on shared hosting). Recommended for Tiki18+
- PluginPDF alter default settings of mPDF per wiki page
- PluginPDFPageBreak add a page break for PDFs created with mPDF
- PluginMediaPlayer display PDF file from file gallery
- PDF.js viewer PDF.js from Mozilla
- ViewerJS: a script to view PDFs and ODFs, which bundles WebODF
- PluginArchiveBuilder Generate a zip file, including PDFs from wiki pages
- WeasyPrint A PDF generation option in Python
- wkhtmltopdf create PDFs from Tiki content (needs root installation)
- dompdf once used for PDF print of slideshows

Aliases

ArchiveBuilder | Archive Builder | Plugin Archive Builder | Plugin ArchiveBuilder