NAME

wikiup – upload content to a topic on a Foswiki or TWiki site.

SYNOPSIS

wikiup [options] destination files...

DESCRIPTION

wikiup attaches one or more files to a topic on a site running Foswiki or TWiki. The user must specify the destination topic, the files to upload, and, if required, credentials to access the site. It automatically recognizes the following authentication mechanisms:

- HTTP browser based Basic authentication (e.g. `Foswiki::LoginManager::ApacheLogin`)

- `Foswiki::LoginManager::TemplateLogin`

Customized values for parameters may be specified in a configuration file, which contain multiple profiles (either for different wiki sites, or for different ways of uploading to the same site).

Options And Arguments

Arguments

The required arguments (which typically follow any options on the command line) are:

destination

Either the topic view URL or the topic path (see ''Specifying the destination topic'').

files

One or more files to upload.

Options

Options may be abbreviated. Options which take values may be separated from the values by whitespace or the ''='' character.

−w *integer* | −−segment=*integer*

The number of components preceding the web name in a ''shortened'' URL.

−c *comment* | −−comment=*comment*

The comment to be associated with the uploaded files.

−f *filename* | −−config=*filename*

Use an alternative configuration file.

−−insecure

Do *not* verify host certificates when connecting to hosts using SSL. This should only be necessary when connecting to hosts with self-signed certificates.

−k   Ignore upload errors and plow on ahead.

−p *profile* | −−profile=*profile*

Use the specified profile.

−u *username* | −−user=*username*

The wiki username. If not specified the user will be prompted.

−−bin_path *upload path*

The upload path relative to the Wiki's base url. **wikiup** usually figures this out on its own, but may get it wrong if the wiki is using ''shortened'' URLs. It falls back to `/bin/upload`.

−a *attrs* | −−attr=*attrs*

Specify a comma separated list of attributes. For example,

```
--attr=show,link
```

See ''Upload Attributes'' for more information.

−r | −−rename
> Treat the list of files to be uploaded as a list of *pairs* of files. The first element in the pair is the filename as it exists on disk, the second is the filename as it should be reported to the wiki. See ''Renaming uploaded files'' for more information.

−t *perlexpr* | −−transform *perlexpr*
> The filenames reported to the wiki will be transformed using the supplied Perl expression, which should modify the $_ Perl variable. See ''Renaming uploaded files'' for more information.

−i | −−interactive
> Prompt before uploading each file.

−s *seconds* | −−sleep *seconds*
> Sleep the specified number of seconds between uploads to reduce load and avoid blacklisting. Defaults to 5 seconds.

−n | −−dryrun
> List which files will be uploaded, but don't actually upload anything.

−v | −−verbose
> Be verbose about what's happening. Repeating the option increases the verbosity.

−−usage
> Output very short usage information and exit.

−h | −−help
> Output short usage information and exit.

−−man
> Output full usage information and exit.

Specifying the destination topic

How you specify the destination topic path (e.g. `Web/Topic`) depends in part on how your wiki server is configured. The URL used to view a topic will typically have one of the following forms:

• a ''standard'' URL

```
http://server.name/wiki/<bin>/<view>/<topic path>
```

Note that *<bin>* may be `bin` or `cgi-bin`, and *<view>* may be `view` or `view.cgi`.

• a ''shortened'' URL

```
http://server.name/wiki/<topic path>
```

You can specify the destination in one of the following ways:

1. Specify the URL in a profile in the configuration file:

   Create a profile in your *$HOME/.wikiuprc* configuration file with the base url:

   ```
   [ mywiki ]
   url = http://server.name/wiki
   ```

   When you use the −p option and the profile has a URL, **wikiup** will treat the destination provided on the command line as a topic path.

   ```
   wikiup -p mywiki Web/Topic ...
   ```

   If you forget to put the URL in the configuration file, **wikiup** will treat the command line destination as a full URL, which won't work.

2. Use a ''standard'' view URL:

   If the wiki site uses the ''standard'' form of the view URL, you can cut and paste the view URL from your browser:

```
      wikiup http://server.name/wiki/bin/view/Web/Topic ...
```

wikiup can usually figure out the topic path. If it can't it'll stop and output an error. Please report this as a bug. You can work around this bug using approach 1 above.

3.   Use a ''shortened'' view URL:

If the wiki site uses the ''standard'' form of the view URL, you can cut and paste the view URL from your browser.

Unfortunately in this case **wikiup** can't reliably figure out where the topic path begins. There are two ways to tell it:

1.   You can use the **−w** option to tell it the number of segments (after the server name) which precede the topic path in the URL. For example,

```
      wikiup −w 1 http://server.name/wiki/Web/Topic ...
```

2.   Create a profile in the configuration file with the base URL:

```
      [ mywiki ]
      url = http://server.name/wiki
```

and specify the shortened URL

```
      wikiup http://server.name/wiki/Web/Topic ...
```

This works because **wikiup** will try to match against the URL's in profiles if it can't figure out the topic path from the view URL.

Authentication
If the Wiki requires authentication, the user must specify a username and password. If they are not provided via the command line or the configuration file, the user will be prompted. For security reasons, it is not possible to specify the password on the command line.

Profile Matching
If a profile is not specified via the **−p** option, **wikiup** will try to select one in the user's configuration file by matching on the base wiki URL.

Upload Attributes
Upload attributes indicate additional actions that can be performed during the upload. They may be specified via the **−−attrs** option or in the configuration file.

show | hide
These attributes indicate whether the uploaded files should be shown in the attachment table.

link | no-link
These attributes indicates wether a link to the attachment should be added in the topic text.

CONFIGURATION FILE
wikup's behavior can be customized using a configuration file. The configuration file must be readable only by the user (because it may contain passwords); if not, **wikiup** will exit with an error message.

A configuration file may contain multiple profiles (either for different wiki sites, or for different ways of uploading to the same site).

Configuration file format
Lines which begin with # are ignored. Lines which have the form

```
   variable = value
```

define configuration variables, and lines which have the form

```
   [ profile_name ]
```

define a new profile. Variable definitions which follow a profile definition are part of that profile until a new profile is defined.

Variable definitions which *precede* profile definitions are used as defaults.

To unset a variable in a profile (e.g. to discard the default value), set it to an empty value.

Variables

The following variables are recognized:

`url`
> The base URL for the wiki site.

`user`
> The wiki user name used to authenticate with the wiki server

`password`
> The password used to authenticate with the wiki server

`profile`
> Specify the default profile. Only useful in the default section of the configuration file.

`read_root_config`
> If present in the default section of a configuration file, it causes the root configuration file (*$HOME/.wikiuprc*) to be read. (This has no effect if it's in the root configuration file.)

`web`
> The web to which to upload the files. This has meaning only if the `url` variable is also specified. If this is specified, the command line destination should be the topic name, without a web.

`sleep`
> The number of seconds to sleep between uploads.

`insecure`
> See the `--insecure` option.

`transform`
> See the `--transform` option.

`bin_path`
> The path (relative to the base URL) of the upload command. By default it is `/bin/upload`.

Specifying Upload Attributes

Upload attributes are specified in the same manner as variables. Set them to `1` to enable them, `0` to disable them.

Configuration file location

By default **wikiup** will first look in the current directory for *.wikiuprc*. If that is not present, or if the `read_root_config` variable is set it will look for *$HOME/.wikiuprc*. **wikiup** can be persuaded to look elsewhere with the `-f` option.

Configuration File Examples

```
# Mickey Mouse has the same username and password on most sites
user = MickeyMouse
password = SqueakSqueak

# Hide attachments and don't create links to them
hide = 1
link = 0

# these are "shortened" URL sites; specify the URL so automatic
# profile recognition works

[ site1 ]
url = http://site1/wiki
```

```
                [ site2 ]
                url = http://site2/wiki

                # reset the password so as to force password prompting for this site
                [ site3 ]
                url = http://site3/wiki
                password =
```

EXAMPLES

Renaming uploaded files

Foswiki and TWiki currently only allow a topic to include an attached file (via `%INCLUDE{
"%ATTACHURL%/filename" }%`) if it ends in .txt or .html. **wikiup** supports two means of
changing the name that is reported to the wiki server, so that the user doesn't have to rename the file prior
to uploading it.

- Use the **−−rename** option:

    −−rename instructs **wikiup** to treat the list of files to be uploaded as a list of *pairs* of files. The first
    element in the pair is the filename as it exists on disk, the second is the filename as it should be
    reported to wiki. For example,

        wikiup −p mysite −r Web/Topic file1.fit file1.fit.txt file2.x file2.txt

    will upload *file1.fit* as *file1.fit.txt* and *file2.x* as *file2.txt*.

- Use the **−−transform** option:

    This is a more advanced technique which uses a Perl expression to transform the file name. It is most
    useful when uploading a number of files using a shell glob pattern, as in

        wikiup −p mysite Web/Topic foo.*

    The Perl expression should modify the $_ Perl variable. Here are a couple of examples:

    Rename all files ending in `.fit`, changing it to `.txt`, using Perl regular expressions:
        -t 's/.fit$/.txt/'

    Append `.txt` to all files ending in `.fit`.
        -t '/.fit$/ and $_ .= ".txt"'
        -t 's/(.*.fit)$/$1.txt'

ERRORS

The following error messages may be output:

Command line errors

no files were specified
    No files were specified on the command line.

destination isn't a recognizeable URL: $destination
    The URL specified on the command line isn't recognizable as a valid URL.

unable to determine base url from $uri
    wikiup was unable to determine which parts of the URL were the path to the wiki web and topic

odd number of filenames: −−rename requires an even number
    If the −−rename option is specified **wikiup** expects that the filenames on the command line come in
    pairs. This message indicates that an unpaired filename was specified.

Upload errors

non−existent or unreadable files: %s
    The listed files were either not found or were not readable.

error transforming $file: %s
    An error ocurred when performing a filename transformation. Check the Perl expression that was
    specified with the −−transform option for syntax.

`error accessing Topic: $topic via $url`
> The wiki server indicated that the requested topic was not valid.

`Found Foswiki cookie ($cookie), but host ($host) doesn't match domain ($domain)`
> There is something wrong on the wiki server. the Foswiki generated cookie is not valid on the wiki server.

`Found Foswiki cookie ($key), but path ($path) doesn't match URL $uri`
> There is something wrong on the wiki server. the Foswiki generated cookie is not valid for the URL of the topic.

`unable to find validation key in attach form`
> There is something wrong on the wiki server. Foswiki generated a `STRIKEONE` cookie, but the `STRIKEONE` validation key was not in the attachment form on the wiki attach page for the requested topic.

Configuration file errors

`$file: configuration file does not exist`
`unknown profile: $profile`
> The profile specified via the `--profile` option does not exist in the configuration file(s).

`illegal attribute: $attr`
> An attribute was specified which is not valid.

`$file: insecure permissions`
> The configuration flie must be readable only by the owner of the file.

BUGS
> None reported.

FILES
> *$HOME/.wikiuprc*
> > The user's configuration file.

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