

## Bugs & Wish list

Incorrect URLs on IIS installs in document root | Tiki Wiki CMS Groupware :: Development  
Incorrect URLs on IIS installs in document root

### Status

✖ Closed

### Subject

Incorrect URLs on IIS installs in document root

### Version

2.x  
3.x  
4.x

### Category

- Error
- Usability
- Patch
- Support request
- Documentation (or Advocacy)
- Consistency

### Feature

All / Undefined  
Installer (profiles, upgrades and server-related issues)  
OS independence (Non-Linux, Windows/IIS, Mac, BSD)

### Submitted by

thebookdoc

### Volunteered to solve

Philippe Cloutier

### Lastmod by

Philippe Cloutier

### Rating

★ ★ ★ ★ ★ (0) ?

### Description

This bug is tied to  
[http://dev.tikiwiki.org/tiki-view\\_tracker\\_item.php?itemId=1964&trackerId=5&show=view](http://dev.tikiwiki.org/tiki-view_tracker_item.php?itemId=1964&trackerId=5&show=view)

I have had various issues navigating my wiki seemingly because \$base\_url is not getting built correctly, or at all. The first of these issues happens at login where the user puts in a bad username or password. The redirect to the error page fails on Firefox and has a URL with doubled forward slashes after the domain because the \$base\_url is not getting passed. URLs get built as follows (where 'example.com' is my domain):

Firefox:



<http://example.com/tiki-error.php?error=Invalid+username>

IE:



`http://example.com//tiki-error.php?error=Invalid+username`

This happens with relative URLs all over tikiwiki in my installation, which is a WAMP with virtualHost entries in the httpd.conf to resolve 2 distinct domains on the same server.

#### Solution

I fixed this in branch 5.x. Tiki 5.0 should be OK. Thank you mitchp.

#### Workaround

So far the only partial solution I have found is to add the `$base_url` declaration to the template page header, like so:



```
<script> function define_baseurl() { $base_url = "http://example.com"} </script>
```

This is a partial solution as it does not resolve issues where I add RSS feeds via a module to a page (as these apparently get built with relative rather than absolute URLs).

#### Importance

9 high

#### Priority

45

#### Demonstrate Bug (Tiki 19+)

Please demonstrate your bug on [show2.tiki.org](http://show2.tiki.org)

Version: **trunk** ▼

#### Demonstrate Bug (older Tiki versions)

Please demonstrate your bug on [show.tikiwiki.org](http://show.tikiwiki.org)

Version: **18.x** ▼

#### Ticket ID

2250

#### Created

Tuesday 06 January, 2009 14:50:41 GMT-0000  
by Unknown

#### LastModif

Saturday 15 May, 2010 04:30:28 GMT-0000

#### Comments



felix hruschka 10 Feb 09 01:18 GMT-0000

I had similar problems with `\\s` on a win2003 hosted server with 1.9.11 with the construction of `$docroot` in `tiki-setup.php`.

This problem with the win2003 was moved to `tikisetaup.class.php` in version 2.2 with `$docroot` finding the root directory of the hosting account, but not its `wwwroot` folder. Additionally `tiki-setup.php` produces now a `$tikiroot` with `\` at the end.

I too fixed this installation with hardcoded addresses. I never had any similar problems with installations of the same versions on a FreeBSD server ... so it is probably not a configuration issue.

Proposal:

There are so many different server environments, that I imagine it very hard to code 100% foolproof algorithms for these setup parameters. Wouldn't it be possible to put them optionally in the `local.php` file, I mean:

If the user puts all these `$xxxx` strings in the `local.php`, then TikiWiki should simply skip retrieving them from the server. If they are not in the `local.php`, then everything runs as currently.

Advantage:

- For the 99.9% of "normally" behaving servers, the automatic configuration does all the work.
- If the server setup is an odd one, then the installation can be configured instead of being "fixed".
- If the user knows the setup parameters and is a tech-freak, he/she can put them into `local.php` and probably gain some performance as no code needs to be executed (I guess?).
- The developer team can save time (It's fine if TikiWiki runs out of the box in 99.9% of all environments)!

All the best and thanks for your great work!!!

Felix



thebookdoc 20 Feb 09 13:58 GMT-0000

threads:

[http://tikiwiki.org/tiki-view\\_forum\\_thread.php?topics\\_offset=1&forumId=4&comments\\_parentId=31557](http://tikiwiki.org/tiki-view_forum_thread.php?topics_offset=1&forumId=4&comments_parentId=31557)  
[http://tikiwiki.org/tiki-view\\_forum\\_thread.php?topics\\_offset=1&forumId=4&comments\\_parentId=31259](http://tikiwiki.org/tiki-view_forum_thread.php?topics_offset=1&forumId=4&comments_parentId=31259)  
[http://tikiwiki.org/tiki-view\\_forum\\_thread.php?topics\\_offset=1&forumId=4&comments\\_parentId=31401](http://tikiwiki.org/tiki-view_forum_thread.php?topics_offset=1&forumId=4&comments_parentId=31401)

Bugs:

[http://dev.tikiwiki.org/tiki-view\\_tracker\\_item.php?itemId=1964](http://dev.tikiwiki.org/tiki-view_tracker_item.php?itemId=1964)  
[http://dev.tikiwiki.org/tiki-view\\_tracker\\_item.php?itemId=2250](http://dev.tikiwiki.org/tiki-view_tracker_item.php?itemId=2250)  
[http://dev.tikiwiki.org/tiki-view\\_tracker\\_item.php?itemId=2224](http://dev.tikiwiki.org/tiki-view_tracker_item.php?itemId=2224)



thebookdoc 10 Mar 09 16:04 GMT-0000

[http://tikiwiki.org/tiki-view\\_forum\\_thread.php?forumId=6&comments\\_parentId=32179&thread\\_sort\\_mode=commentDate\\_asc&was\\_queued=n](http://tikiwiki.org/tiki-view_forum_thread.php?forumId=6&comments_parentId=32179&thread_sort_mode=commentDate_asc&was_queued=n)



mitchp 13 Aug 09 23:44 GMT-0000

I changed `$base_url` which worked around some of the issues on my Windows XP/Apache/PHP/MySQL implementation, but there are lots of places where the URL is built as `"http://mywiki/\..."`

Are all of these relative URLs built off of something in `absolute_urls.php`? Or are they generated in the individual modules, etc?

If it's just in `absolute_urls`, I'll see if I can fix it.

(PHP hacker in my spare time PHPed and/or Eclipse user...)



mitchp 16 Aug 09 19:26 GMT-0000

The issue seems to be when a var is set to `dirname($_SERVER'PHP_SELF')` the var is `"\"`, but really, you just want it to be `""`!

So, I searched for all the `dirname($_SERVER'PHP_SELF')` in TikiWiki and made the following hacks that seem to fix the problem.

`tiki-filter-base.php` after line 57, insert:

```
if($tikiroot == '\\') $tikiroot = ""; // mdp
```

`lib/smarty_tiki/block.self_link.php` after line 56, insert:

```
if($self_dir == '\\') $self_dir = ""; // mdp
```

`lib/smarty_tiki/function.query.php` after line 138, insert:

```
if($php_self == '\\') $php_self = ""; // mdp
```

`tiki-login_openid.php` change functions `getReturnTo()` and `getTrustRoot()` to:

```
function getReturnTo() { // {{{
$dn = dirname($_SERVER'PHP_SELF'); // mdp
if($dn == '\\') $dn = ""; // mdp
$string = sprintf("NaVs:%s%s/tiki-login_openid.php?action=return",
getScheme(), $_SERVER'SERVER_NAME',
$_SERVER'SERVER_PORT',
$dn); // mdp
```

```
if( isset( $_GET'action' ) && $_GET'action' == 'force' )
$string .= '&force=true';
```

```
return $string;
} // }}}}
```

```
function getTrustRoot() { // {{{
$dn = dirname($_SERVER'PHP_SELF'); // mdp
if($dn == '\\') $dn = ""; // mdp
```

```
return sprintf("NaVs:%s%s",
getScheme(), $_SERVER'SERVER_NAME',
$_SERVER'SERVER_PORT',
$dn);
} // }}}}
```



AJStevens 16 Dec 09 17:06 GMT-0000

I tried applying mitchp's fix, but it hasn't helped, it would be better to give a line number and the expected text of that line, as I'm pretty sure "block.self\_link.php after line 56" isn't the correct location anymore.

I downloaded (what I think) is the latest version 4.1 from sourceforge of tikiwiki.

Attachments

| filename | created | hits | comment | version | filetype |
|----------|---------|------|---------|---------|----------|
|----------|---------|------|---------|---------|----------|

No attachments for this item

The original document is available at  
<https://dev.tiki.org/item2250-Incorrect-URLs-on-IIS-installs-in-document-root>