



baseurl / base-url: GitHub Pages Project Pages - Relative Links Fail #332

 Closed

 firemonkeyio opened this issue on May 15, 2011 · 38 comments



firemonkeyio commented on May 15, 2011

If you're not using a CNAME and hosting your Project Page on GitHub Pages it's served out of a "project-name" subfolder

<http://user-name.github.com/project-name>

Relative url's fail:

```
<a href="/">home</a>
```

resolves to

```
http://user-name.github.com/
```

Another example:

```
<a href="/blog">blog</a>
```

resolves to

```
http://user-name.github.com/blog
```


when I needed:

```
http://user-name.github.com/project-name/blog
```

The workaround I can think of for this is setting a "base-url:" in the `_config.yml` then put that in front of all `href` , `src` , `url` paths ... need it in .css and .js files, so they need to run through Jekyll (see: <http://stackoverflow.com/questions/4305955/can-jekyll-act-over-css-or-js-files>)... a "base-url:" is suggested in the wiki here: <https://github.com/mojombo/jekyll/wiki/Configuration> ... but I can't seem to find anything that explains how this should be implemented within your actual files. e.g.

```
<a href="{{ site.base-url }}/blog">blog</a>
```

... am I missing something here? Is there a more elegant solution?




firemonkeyio commented on May 15, 2011

Personally I would prefer it to be shorter since you would need to be typing this A LOT


```
<a href="{{ site.url }}/blog">
```

Then on a page you have `{{ site.url }}` == `/project-name` and `{{ page.url }}` == `/blog/`



Kwpolska commented on May 15, 2011

Use the HTML `base` tag and it will work fine.

 8

Assignees

No one assigned

Labels

Projects








None yet








Milestone








Jekyll 1.0

Notifications

24 participants







and others



halfninja commented on Aug 3, 2011

`--base-url` was added more as an option for the `--server` , so that WEBrick can serve your local content from the same `/project-name` as your project page. But you're right that it would make sense if GitHub Pages could pass a relevant `--base-url` in, just so that `{{ site.baseurl }}` is set to a useful value.



fguillen commented on Sep 24, 2011

+1



andrewspiers commented on Oct 5, 2011

My links to posts currently look like `{{post.title}}` which seems inelegant and took a while to figure out.

Also why is it `base-url` at the command line and `baseurl` in the config file?

👍 4



shareme commented on Nov 3, 2011

Its simpler to use the config.yml baseurl line to add it as html base in head of html than you never are editing hrefs ever..)



darthdeus commented on Dec 3, 2011

Is this still unfixed? Even if I add baseurl to my `_config.yml` , that might work on GitHub, but it will break the site when I running it locally. Is there any way to overcome this?



bilke commented on Dec 6, 2011

I am also interested in a solution...



bilke commented on Dec 7, 2011

@7andrew: unfortunately your solution does not work in platform redirect files such as:

```
---
layout: os_redirect
title: Set Up Git
description: A quick guide to help you get started with Git
categories: beginner
redirect_win: {{site.baseurl}}/win-set-up-git
redirect_mac: {{site.baseurl}}/mac-set-up-git
redirect_linux: {{site.baseurl}}/linux-set-up-git
---
```



salzig commented on Dec 22, 2011

👍



rachelslurs commented on Aug 11, 2012

Any solution? I would like to be able to have relative links work in GitHub pages as well as locally.



pacebl commented on Aug 29, 2012

No solution for this yet?



jeffreycrow commented on Nov 15, 2012

What I've done to make paths work both locally and on my ghPage is to create a `_config.yml` file that I then add to my `.gitignore` where I define a `url` variable for my local path. Then I use `{{ site.url }}` in paths to create full absolute urls. However, since the config file doesn't get uploaded when I push to GitHub, the `{{ site.url }}` is ignored there and the paths stay relative on my ghPage.

I just tried this and it works, but I am still in process of putting my ghPage together so I've only tried it on my index page and my test post.



archSeer commented on Feb 18, 2013

This is still a big issue for serving html pages in subfolders and linking them to css in root on Github Pages



parkr commented on Feb 18, 2013

Owner

According to all of the documentation I have, `baseurl` is used by `jeekyll --server` to serve Jekyll under an arbitrary base url via WEBrick. It doesn't interact with any of the links in your Jekyll source, nor is that configuration added to the `site` variable in Jekyll.



archSeer commented on Feb 24, 2013

@parkr The problem here is that if you serve a website via Github Pages, the url looks like `http://username.github.com/repo/` where the `repo` part acts as a subfolder. Let's say you have a multi-level site: there's pages in the root folder, as well as subfolders containing pages (`index.textile` and `documentation/index.textile`), and CSS is stored in the `/css/` folder. The way you normally set the url's (and the way it works if you run `jeekyll --server` locally) to the CSS assets is like so:

```
<link href="/css/reset.css" rel="stylesheet" type="text/css">
<link href="/css/styles.css" rel="stylesheet" type="text/css">
<link href="/css/syntax.css" rel="stylesheet" type="text/css">
```



this makes sense, the browser will look for files under the `root/css/`, i.e. `localhost/css/styles.css` But, with Github Pages, what happens is this: `http://username.github.com/css/styles.css`, while we want `http://username.github.com/repo/css/styles.css`... we could make the links relative

```
<link href="css/reset.css" rel="stylesheet" type="text/css">
```

which makes the site work for documents in the root, but still breaks for any subfolders.



parkr referenced this issue on Mar 17, 2013

  parkr closed this on Mar 17, 2013



oblitum commented on May 26, 2013

@parkr I'm suffering from this issue too, just as @archSeer described. I've a custom domain properly setup at my older user GitHub page. Now I'm trying out a Jekyll project page, first I've checked that `username.github.io/project` was being redirected to `customdomain/project` and things were messed up in this fresh Jekyll page because `baseurl` wasn't configured for such, so everything was referring to `customdomain/`, then the solution I've found was to change `baseurl` to `/project` and fix source files, for example:

```
<!-- Custom CSS -->
<link rel="stylesheet" href="{{site.baseurl}}/css/main.css">
```

instead of previous

```
<!-- Custom CSS -->
<link rel="stylesheet" href="/css/main.css">
```

but still, this solved things partially, at the index page there's:

```
{% for post in site.posts %}
  <li><span>{{ post.date | date_to_string }}</span> &raquo; <a href="{{ post.url }}">{{
post.title }}</a></li>
{% endfor %}
```

When I load the page, `{{ post.url }}` get expanded to `customdomain/post-page` instead of `customdoman/project/post-page`.

So, how do I config a simple GitHub Pages hosted Jekyll new project site that get all this fixed?



oblitum commented on May 26, 2013

I got `{{ post.url }}` fixed by chaging it to `{{ site.baseurl }}{{ post.url }}`, now it seems the only issue lasting is that locally, `jekyll serve` doesn't work after all changes, and I can't browse it for tests.

Even then, I'm not sure it was the proper way to fix this.



oblitum commented on May 26, 2013

ok, I figured it out for serving locally, I must put the ending slash: `http://localhost:4000/project/` (I was doing `http://localhost:4000/project`).

So, everything is working, the only thing that I find cumbersome now is that I must put `{{ site.baseurl }}` before everything. Why `baseurl` configuration solely is not enough to configure `/` project wide?

  xavimat referenced this issue in positiv/acrylamid on May 30, 2013

acrylamid does NOT respect OUTPUT_DIR = './' with WWW_ROOT with subdirectory #161

Open

xavimat commented on May 30, 2013



So, what is the solution?



mjswensen commented on Jun 4, 2013

Contributor

I finally figured out the trick, if you're looking for a solution with the standard URL for GitHub Pages (`username.github.io/project-name/`). Here's what to do:

In `_config.yml` , set the `baseurl` option to `/project-name` -- note the leading slash and the **absence** of a trailing slash.

Now you'll need to change the way you do links in your templates and posts, in the following two ways:

When referencing JS or CSS files, do it like this: `{{ site.baseurl }}/path/to/css.css` -- note the slash immediately following the variable (just before "path").

When doing permalinks or internal links, do it like this: `{{ site.baseurl }}{{ post.url }}` -- note that there is **no** slash between the two variables.

Finally, if you'd like to preview your site before committing/deploying using `jeekyll serve` , be sure to pass an **empty string** to the `--baseurl` option, so that you can view everything at `localhost:4000` normally (without `/project-name` getting in there to muck everything up): `jeekyll serve --baseurl ''`

This way you can preview your site locally from the site root on localhost, but when GitHub generates your pages from the gh-pages branch all the URLs will start with `/project-name` and resolve properly.

👍 21

🎉 6

❤️ 1



aseemk commented on Jun 4, 2013

Excellent solution, @mjswensen. Thorough and helpful. Thanks.



mjswensen commented on Jun 4, 2013

Contributor


@aseemk No sweat!



oblitum commented on Jun 4, 2013

I doesn't seems different from what I've gone through, except that I never need to use `--baseurl ''` , just `jeekyll serve` works for me. Also, I'm starting up from jekyll-bootstrap themes that have links already done right as @mjswensen described.



 redfrost referenced this issue in redfrost/Stacks on Jun 30, 2013

Jekyll URL problem when creating pages #8

🔒 Closed



middle8media commented on Jul 9, 2013

@mjswensen Thanks for the solution. That worked.

on a different note, what a PITA.



parkr commented on Jul 9, 2013

Owner

@mjswensen Would you want to write that up and submit a PR to the docs site for us?



mjswensen commented on Jul 9, 2013

Contributor

@parkr Be happy to.

This was referenced on Jul 10, 2013

Detailed docs for working with GitHub Pages' URL structure #1291

fix internal links waltherg/waltherg.github.io#9

Closed

Open

erictheise added a commit to erictheise/mctad.js that referenced this issue on Jun 23, 2014

using baseurl per jekyll/jekyll#332 9fdf593

hayd referenced this issue in jekyll/jekyll-redirect-from on Aug 10, 2014

Generated link is wrong when baseurl option is used #15

Closed



willianribeiro commented on Aug 11, 2014

Thank you @mjswensen, you help me a lot! (-;



mjswensen commented on Aug 12, 2014

Contributor

@willianribeiro Glad to help!

danrademacher pushed a commit to danrademacher/rimfireweb that referenced this issue on Aug 17, 2014

Adding config.yml ... 7169d6c

lord63 referenced this issue in tankywoo/simiki on Aug 29, 2014

Use site.url instead of site.root #28

Closed

barakb added a commit to barakb/asynchrmi that referenced this issue on Oct 31, 2014

update the relative resource loading as workaround to jekyll/jekyll#332 5309337

This was referenced on Jan 5, 2015

Add the baseurl to the permalinks in the RSS feed rnicholus/you-dont-need-jquery#3

Closed

'bundle exec jekyll server -w -s _source -d _site' does not work for ruby 2.2.0 osgi/osgi.enroute.site#8

Closed



fulldecent commented on Jan 29, 2015

Contributor

This sucks. I would much rather have a solution that allows the built files to be hosted from either of:

- <https://fulldecent.github.io/monitortech.org/>
- <http://monitortech.org/>

Using the same files. And the only way to do that is relative URLs.

👍 7



parkr commented on Jan 29, 2015

Owner

Jekyll is not going to go into your code and change all your links. That's just asking for trouble. If anything, we can provide a liquid tag. But that said, you're asking for some voodoo in the above thay Jekyll can't provide. Using true relative URL's (e.g. `../another-page`) would be the best answer.



fulldecent commented on Jan 29, 2015

Contributor

Yes, this is want I want! I would like my `index.html` to link to my main css file as `css/main.css` and my page `pages/bob.html` should link to the same file as `../css/main.css` . This does not appear to be a feature.

I am reading the documentation on `relative_permalink` but I do not think it will do this for me. Also, now I am looking into an ugly liquid hack, which I will post back here. Thanks for following up.



mjswensen commented on Jan 29, 2015

Contributor

@fulldecent , would following the pattern outlined in [the Project Page URL Structure docs](#), committing `baseurl: '/monitortech.org'` in your `_config.yml` , and then passing `--baseurl ''` when you compile for the monitortech.org domain not be a viable solution?



fulldecent commented on Jan 29, 2015

Contributor

@mjswensen Because I want the same compiled pages to be usable when hosted via gh-pages or via a custom domain. Also, relative urls work with command-line based link checkers.

If anyone else needs this, here is the code that works:

```
{% assign relative-baseurl = "" %}
{% assign canon = page.url | append: "page.html" | split: "/" %}
{% for item in canon offset:2 %}
  {% assign relative-baseurl = relative-baseurl | append:"../" %}
{% endfor %}
{{ relative-baseurl }}
```

FYI, the canonicalization in line 2 allows `/dir/` and `/dir/index.html` to be treated the same, both resulting in `relative-baseurl` equalling `../`

I believe relative URLs are a reasonable feature to expect from a static website generator.

1

1

- SungMatt** added a commit to SungMatt/UsingWavesToFindExoplanets that referenced this issue on Mar 7, 2015

Added `_Config.yml` ...

931137a
- riuson** added a commit to riuson/lcd-image-converter that referenced this issue on Mar 10, 2015

Changed `baseurl`, relative links, according to Jekyll issue 332 ...

368523a
- riuson** added a commit to riuson/lcd-image-converter that referenced this issue on Mar 10, 2015

Changed `baseurl`, relative links, according to Jekyll issue 332 ...

9241e9b

iominh added a commit to `iominh/bootstrap-jekyll` that referenced this issue on Apr 19, 2015

set baseurl for github pages deployment: `jekyll/jekyll#332` (comment)2eca492

jameslaneconkling referenced this issue in `loggingroads/logging-roads` on Apr 29, 2015

Fix baseurls for loggingroads.org DNS #2

Closed



mashdot commented on May 22, 2015

Just to point out what is working for me now, since I found this page whilst looking for a solution.

I am using a custom domain on my github project, and Rakefile to publish my `_site` to the `gh-pages` branch.

So if my project repo is: `https://github.com/user/example`

My `baseurl`: `'/example'` to allow for local testing, stripping it with `jekyll serve -tw --baseurl .`

I simply amended my rake task with `"baseurl" => ""` to strip it when generating the site.

```
# "rake publish" to compile and publish
desc "Generate site files"
task :generate do
  Jekyll::Site.new(Jekyll.configuration({
    "source"      => ".",
    "destination" => "_site",
    "baseurl"     => ""
  })).process

end

desc "Generate and publish site to gh-pages"
task :publish => [:generate] do
  Dir.mktmpdir do |tmp|
    cp_r "_site/.", tmp
    Dir.chdir tmp
    system "git init"
    system "git add ."
    message = "Site updated at #{Time.now.utc}"
    system "git commit -m #{message.inspect}"
    system "git remote add origin git@github.com:#{GITHUB_REPONAME}.git"
    system "git push origin master:refs/heads/gh-pages --force"
  end
end
```

This allows me to use `{{ site.baseurl }}` to test the site locally, and publish to my custom domain with relative links. I simply hardcode in `{{ site.url }}` for header meta tag absolute links etc.

thibautdavoult pushed a commit to `thibautdavoult/blog` that referenced this issue on May 25, 2015

mjswensen baseurl fix ...2fa88f2

benjvi added a commit to `benjvi/benjvi.github.io` that referenced this issue on Jun 13, 2015

URLs borken, try using baseurl ...f62cbc7

This was referenced on Sep 2, 2015

- Jekyll conversion of links** AusDTO/Digital-Service-Standard#10

Closed
- merge into master, relative path issue updates** gabrielyeung/changdds#4

Merged
- eliminate need to hard-code urls to image tags** clayh53/tufte-jekyll#15

Closed

DirtyF added a commit to `sudweb/2016` that referenced this issue on Dec 24, 2015

Fix baseurl problem ...

e91159e

This was referenced on Jan 3, 2016

Better internal links `ev3dev/ev3dev.github.io#90`

Closed

Fix relative linking annoyance `mlxd/mlxd.github.io#1`

Closed

PyrApple added a commit to `EVERTims/evertims.github.io` that referenced this issue on May 27, 2016

fixed relative link issue between local jekyll server and GitHub depl...

...

2e6668a

PyrApple added a commit to `EVERTims/evertims.github.io` that referenced this issue on May 27, 2016

fixed relative link issue between local jekyll server and GitHub depl...

...

b3e978b

PyrApple added a commit to `EVERTims/evertims.github.io` that referenced this issue on May 27, 2016

fixed relative link issue between local jekyll server and GitHub depl...

...

7aeb79d

MaxMontoro added a commit to `MaxMontoro/blog` that referenced this issue on May 28, 2016

/blog/ prefix added to avatar image ...

d530bd9

This was referenced on Jun 13, 2016

Adding navigation `YaronMiro/gm-static#2`

Closed

web site result `laserblue/MitchyMaize#13`

Open



almgwary commented on Aug 23, 2016

it work with me when index.html file is in the root directory



almgwary commented on Aug 23, 2016

here example [`https://github.com/almgwary/almgwary_gallery/blob/gh-pages/index.html`] file are loaded

tomelam added a commit to `Mashweb/zen` that referenced this issue on Aug 30, 2016

This: ...

e7d5e98

susanjrobertson referenced this issue in `open-design-kit/opendesignkit` on Sep 9, 2016

Perform QA on site #132


Closed

22 of 28 tasks complete

spencerwmiles added a commit to `spencerwmiles/26thScouts` that referenced this issue on Oct 12, 2016

  Updated URLs on Index to include Path to /26thScouts/ ... b11200f

  **i2000s** added a commit to i2000s/en that referenced this issue on Nov 21, 2016

  Add site.baseurl to subrepo page templates according to jekyll/jekyll... Verified 6290e4a


 This was referenced on Nov 29, 2016


[Docs] Absolute paths for iframe src Shopify/slate#63 Merged



Project links2 LLNL/Jekyll-LLNL-Theme#4 Merged

  **boykoc** pushed a commit to boykoc/should-i-start-a-startup that referenced this issue on Jan 15

  Bug: Fix urls based on issue 332 fix. jekyll/jekyll#332. 28ad034




  **kratsg** added a commit to deafchi/deafchi.github.io that referenced this issue on Jan 24



  see jekyll/jekyll#332 Verified c3afe57

  **browtayl** referenced this issue in **capstone-coal/capstone-coal.github.io** on Mar 6

Website Rewrite #10 Closed

  **11011110** added a commit to 11011110/blog that referenced this issue on Apr 10

  Is this the fix for the prev/next navigation bar failure? Taken from ... 8616491


  **bbgvisualjournalist** added a commit to bbgvisualjournalist/circumvention that referenced this issue on Apr 17



  Trying to fix nav using baseurl via jekyll/jekyll#332 (comment) 5ffe223

 This was referenced on May 17

setting up jekyll tlienart/tlienart.github.io#1 Closed

Deploying static site to GitHub pages needs .nojekyll file zeit/next.js#2029 Closed

Documentation pages not loading assets correctly mysociety/alaveteli#4109 Closed

  **electron0zero** added a commit to electron0zero/ingenuity17 that referenced this issue 18 days ago

  Fix #52 - Broken Links ... 968d7f2



whoisjorge commented 17 days ago

This simple set up works for me:

```
<a href="{ { "/"sitemap" | relative_url } }">sitemap</a>
```

It will redirect to http://<absolute&belovedURI>/sitemap

  **pathawks** locked and limited conversation to collaborators 17 days ago