Add Autoprefixer script to SCSS to CSS workflow in trunk/pre-Tiki19

Status
Pending

Subject
Add Autoprefixer script to SCSS to CSS workflow in trunk/pre-Tiki19

Version
19.x

Category
- Feature request
- Release Blocker

Feature
Theme: Look & feel, Styles, CSS, Theme Control Center

Resolution status
Please retest

Submitted by
Gary Cunningham-Lee

Volunteered to solve
Jonny Bradley

Keep informed
Roberto Kirschbaum

Lastmod by
Gary Cunningham-Lee, Marc Laporte, Jonny Bradley

Rating
★★★★★★★★★★★★★★★★★★★★★ (0) 

Description
As pointed out by Brendan/drsassafras (https://tiki.org/forumthread69192-CSS-Compatibility-Issues?topics_offset=14), the CSS files in trunk are missing vendor prefixes that Bootstrap 4 bootstrap.css normally has. This is because the Autoprefixer script isn't being used in Tiki's current stylesheets workflow. For better browser compatibility (so we aren't supporting only the latest browser versions), it would be good to integrate an Autoprefixer script in our workflow.

I found this script, which could be helpful: https://github.com/vladkens/autoprefixer-php. Or maybe there's another solution that works for the devs who compile SCSS to CSS.
Update: I added Release Blocker category to put this on the front burner. The solution doesn't have to be the script I found, but some solution is needed for Tiki 19 to have maximum browser support.

Solution
I added an issue on the scsphp project here - we shall see if that does any good. In the meantime i guess we have no other option but to add the js prefixfree package for now...

Seems that someone has made a PHP CSS prefixer that should work ok with leafo/scssphp compiler, some info was added here: https://github.com/leafo/scssphp/issues/610#issuecomment-459274640 - looks worth trying, i will one day if no one else gets to it first ;)

Workaround
I added the js prefix free lib to 19.x for testing in r68037

Importance
8

Easy to solve?
8

Priority
64

Demonstrate Bug
This bug has been demonstrated on show2.tikiwiki.org

Comments

Marc Laporte 03 Oct 18 12:19 GMT-0000
https://tiki.org/forumthread70181-Autoprefixer-is-needed-for-Tiki-19

Jonny Bradley 03 Oct 18 12:46 GMT-0000
From Marc on the devlist: http://leaverou.github.io/prefixfree/

This is a javascript lib which would do the "prefixing" client-side - it looks like a cheap
option (every so easy to add, in fact we could add it on a tiki in the custom html pref) but i would prefer a server-side option if possible, ideally i think the SCSS compiler we're using should "just do it"! 😊

Jonny Bradley  16 Oct 18 14:23 GMT-0000

We tried to get prefixfree to work but i can't seem to test it even.
I added 
"npm-asset/prefixfree": ">=1.0.0",
to my vendor_bundled/composer.json but it can't find it (it's only on asset-packagist.org, not packagist.org)

Will have to try another day...

Attachments

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The original document is available at http://dev.tiki.org/item6699-Add-Autoprefixer-script-to-SCSS-to-CSS-workflow-in-trunk-pre-Tiki19