



Julian Doucette <julian@adblockplus.org>

CMS hooks/converters5 messages

Julian Doucette <julian@adblockplus.org>

Thu, Aug 3, 2017 at 5:23 PM

To: Vasily Kuznetsov <vasily@adblockplus.org>, Ire Aderinokun <i.aderinokun@eyeo.com>, Manvel Saroyan <manvel@adblockplus.org>, Jon Sonesen <jon@adblockplus.org>, Winsley von Spee <winsley@adblockplus.org>

Hello, world

I've been thinking about how to automate the addition of:

- target=_blank to external links
- rel="noreferrer nofollow" to target=_blank links
- hreflang to hrefs
- (And alike)

(This is currently being done by cms converters.py)

I'm wondering if we can move this type of processing out of CMS and into website specific (or shared) "hooks" or "converters".

What do I mean by "hooks"?

Like wordpress hooks and filters e.g.

```
function do_something(relevant_data) {return manipulated(relevant_data)}
```

```
add_action("step_in_process", do_something);
```

What do I mean by "converters"?

Like post-processing e.g.

- create folder "converters" (or similar)
- add file "href.py" that defines "href" function
- href function is passed html output and returns manipulated html output e.g. searching for "href" and adding "hreflang" via search + replace + regex or DOM manipulation

If we were to accept one of these solutions (or similar) than the first step could be moving the existing "converters" (e.g. url resolution) from cms into website-defaults.

Julian Doucette <julian@adblockplus.org>

Thu, Aug 3, 2017 at 5:25 PM

To: Vasily Kuznetsov <vasily@adblockplus.org>, Ire Aderinokun <i.aderinokun@eyeo.com>, Manvel Saroyan <manvel@adblockplus.org>, Jon Sonesen <jon@adblockplus.org>, Winsley von Spee <winsley@adblockplus.org>

(Also, it just occurred to me that this is good Discourse material. Do you agree? And would you like me to move this to Discourse?)

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Vasily Kuznetsov <vasily@adblockplus.org>

Thu, Aug 3, 2017 at 7:28 PM

To: Julian Doucette <julian@adblockplus.org>

Cc: Ire Aderinokun <i.aderinokun@eyeo.com>, Manvel Saroyan <manvel@adblockplus.org>, Jon Sonesen <jon@adblockplus.org>, Winsley von Spee <winsley@adblockplus.org>

Hi Julian,

In general I support the idea of allowing websites to define additional processing logic and extend CMS in various ways to make content creators' life easier and avoid repetition. I also have some question about it:

Hooks:

- Wordpress hooks seem to be invoked in response to some events happening. However, our CMS is not a CMS (pun intended) but rather a static site generator, so the only events that happen there are generation of a page or of the whole website. Perhaps I'm discounting some possibilities though. Can you give me some examples of events that you had in mind?

Converters:

- Would the custom converters basically be inserted into the pipeline after (or perhaps also before) standard CMS processing (perhaps only for some file types / locales / whatever, depending on some configuration / properties)? This seems like a powerful feature that would be great to have, but I think we need to think carefully about the APIs that would be available to custom converters.

Regarding moving this to Discourse, I'm a bit cautious, since colleagues often told me that this would generate a lot of discussion and ultimately prevent us from doing anything, but I don't really have any objections myself ;)

Cheers,

Vasily

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Julian Doucette <julian@adblockplus.org>

Mon, Aug 7, 2017 at 3:56 PM

To: Vasily Kuznetsov <vasily@adblockplus.org>

Cc: Ire Aderinokun <i.aderinokun@eyeo.com>, Manvel Saroyan <manvel@adblockplus.org>, Jon Sonesen <jon@adblockplus.org>, Winsley von Spee <winsley@adblockplus.org>

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<https://issues.adblockplus.org/ticket/5474>

(before and after)

- settings loaded (generation, translation)
- partial rendered/converted (generation)
- page rendered/converted (generation)
- string extracted (translations)

> Converters:

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Yes. The two solutions that I proposed ("hooks", "converters") are basically the same thing except "hooks" implies that you can plugin into more places in the process and change more than raw output.

I'll follow up with specific examples in a ticket.

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Vasily Kuznetsov <vasily@adblockplus.org>

Mon, Aug 7, 2017 at 5:31 PM

To: Julian Doucette <julian@adblockplus.org>

Cc: Ire Aderinokun <i.aderinokun@eyeo.com>, Manvel Saroyan <manvel@adblockplus.org>, Jon Sonesen <jon@adblockplus.org>, Winsley von Spee <winsley@adblockplus.org>

Ok, with these hook examples it makes more sense to me now. I like where you're going with this proposal and I think it might have a beneficial effect on internal architecture of the CMS.

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