

	Step summary				
Step	Description	Time Elapsed	Memory Used This Step	Total Memory	
Used Aft	ter Step				
0	Preserving Webpack build output	1962ms	3.22mB	39.66mB	
1	Create React pages	10ms	0.16mB	39.84mB	
2	Get Drupal content	11080ms	327.19mB	367.04mB	
3	Add Drupal Prefix	9ms	2.77mB	369.84mB	
4	Create Outreach Assets Data	7ms	0.55mB	370.4mB	
5	Create "Resources and support" section of the website	110ms	4.67mB	375.09mB	
6	Create environment filter	1ms	0.13mB	375.24mB	
7	Add filenames for debugging	1ms	0.39mB	375.65mB	
8	Check collections	5ms	0.23mB	375.9mB	
9	Group collections	816ms	9.08mB	384.99mB	
10	Reset left rail navigation menu levels	3ms	0.73mB	385.73mB	
11	Add the date to filenames	27ms	-5.97mB	379.78mB	
12	Add app assets	101ms	-1.69mB	378.11mB	
13	Add content assets	102ms	-7.48mB	370.64mB	
14	Plug the content into the templates	131ms	5.21mB	375.88mB	
15	Translate the markdown to html	20ms	1.39mB	377.29mB	
16	Add permalinks and change foo.md to foo/index.html	733ms	2.64mB	379.94mB	
17	Create header and footer	13ms	1.54mB	381.49mB	
18	Generate navigation	281ms	6.03mB	387.54mB	
19	Apply layouts	22272ms	154.41mB	541.96mB	
20	Rewrite VA domains for the buildtype	2540ms	-130.1mB	411.92mB	
21	Rewrite Drupal pages	0ms	0.01mB	411.98mB	
22	Create Drupal debug page	2ms	0.69mB	412.69mB	
23	Download Drupal assets	2ms	0.41mB	413.11mB	
24	Read application assets from disk	584ms	-34.69mB	378.43mB	
25	Create sitemap	101ms	2.6mB	381.05mB	
26	Update robots.txt	0ms	0.01mB	381.07mB	
27	Check for CMS URLs	1324ms	40.99mB	422.08mB	
28	Parse HTML files	51322ms	5193.87mB	5615.95mB	
29	Add nonce to script tags	1896ms	101.1mB	5717.08mB	
30	Process [data-entry-name] attributes into Webpack asset paths	546ms	9.83mB	5726.92mB	
31	Update external links	449ms	17.56mB	5744.49mB	
32	Add IDs to subheadings	666ms	6.24mB	5750.75mB	
33	Check for broken links	5676ms	504.01mB	6254.77mB	
34	Inject axe-core for accessibility	17ms	0.88mB	6255.67mB	
35	Save the changes from the modified DOM	5612ms	-4871.23mB	1384.46mB	
Build f	inished!				
→ Done	in 118.86s.				

Testing done

1 Needs a lot more testing! Todos -

- Make preview server's build align with these changes
- ☑ The preview server (make sure the Axe check still works)
- Team site Webpack assets (make sure the hash-free bundles are still being copied over correctly)
 - I confirmed this by checking the outputted generated/ directory of a vagovprod build to confirm proxy-rewrite.js and other TeamSite-required files are there
- Error handling make sure broken links still fail the build
 - Would like to double confirm this
- Confirm each build step still works

Screenshots

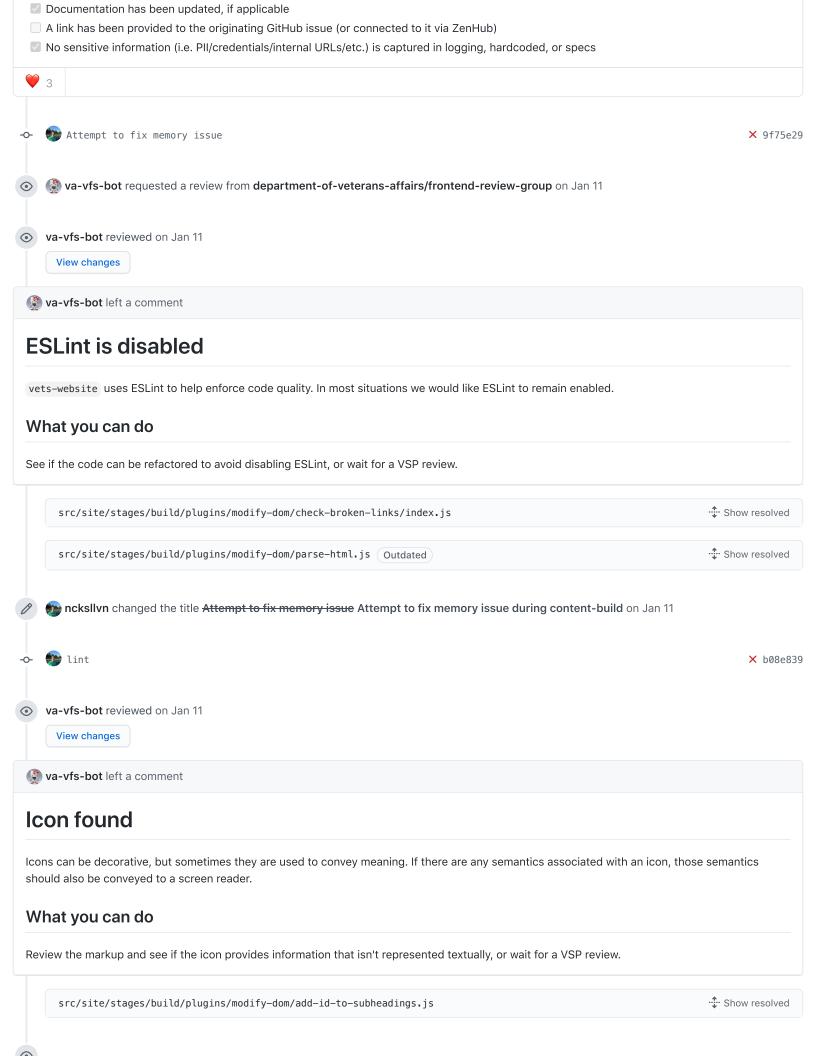
I don't think there is any screenshot to post. I pasted the terminal output above.

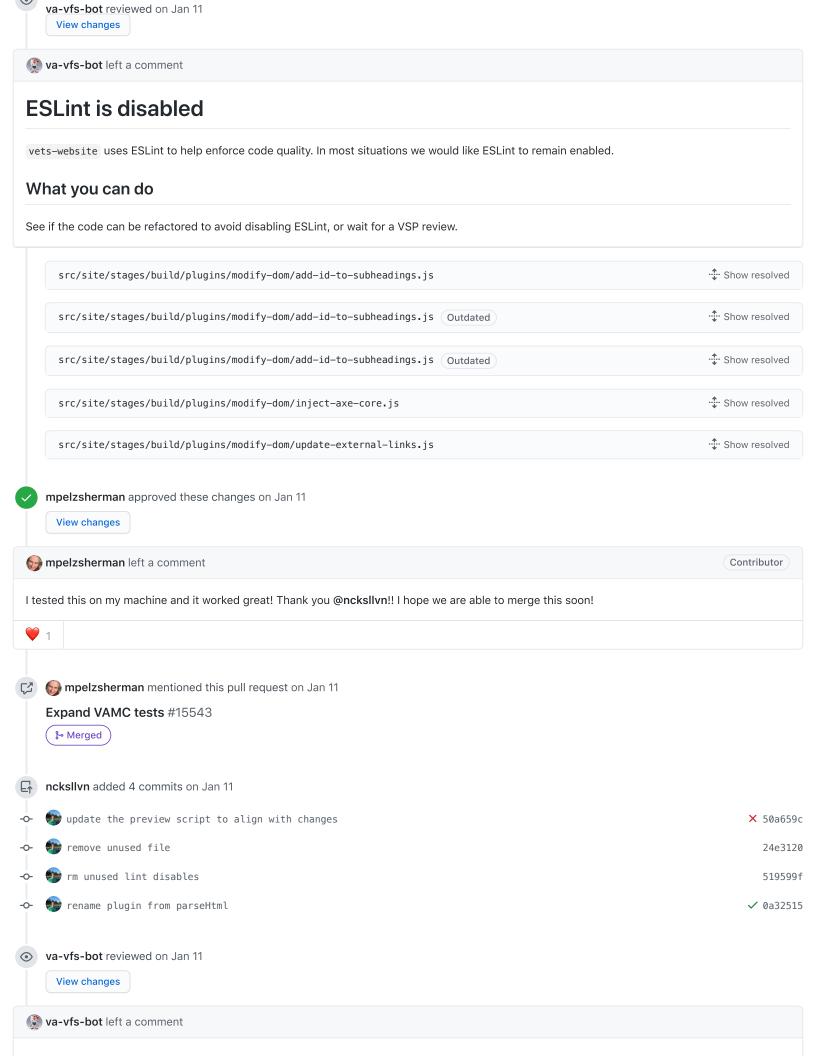
Acceptance criteria

No more memory issues during build

Definition of done

Events are logged appropriately





ESLint is disabled vets-website uses ESLint to help enforce code quality. In most situations we would like ESLint to remain enabled. What you can do See if the code can be refactored to avoid disabling ESLint, or wait for a VSP review. \$\displaystyle{\psi} \tag{\text{Show resolved}} src/site/stages/build/plugins/modify-dom/index.js oncksllvn reviewed on Jan 11 View changes src/site/stages/build/plugins/modify-dom/index.js 45 + }; 46 + module.exports = parseHtml; ncksllvn on Jan 11 (Author) (Contributor) This whole plugin is the key change. Everything listed in the domModifiers list use to be a separate Metalsmith plugin. This PR converts them into sub-steps within this plugin where each sub-step instead operates on a single file at a time, so that only one file.dom exists in memory at once. 🎥 ncksllvn marked this pull request as ready for review on Jan 11 🜇 ncksllvn changed the title Attempt to fix memory issue during content-build Reduce memory consumption during content-build on Jan 11 🚇 va-vfs-bot had a problem deploying to master/nps--fix-memory-issue on Jan 11 (Error i 🎡 va-vfs-bot temporarily deployed to master/nps--fix-memory-issue on Jan 11 (Inactive meganhkelley commented on Jan 12 Hey @ncksllvn I notice this box still unchecked above: "Team site Webpack assets (make sure the hash-free bundles are still being copied over correctly)" — is that something you are planning to work on, or are you dependent on another team to complete that check? Contributor Author ncksllvn commented on Jan 12 Good question @meganhkelley - I'm going to confirm that this morning then I'll check the box. It isn't much work. Move copyAssetsToTeamSitePaths into the conclude hook × f56d50b

oncksllvn reviewed on Jan 12

src/site/stages/build/plugins/modify-dom/process-entry-names.js if (!buildOptions.isPreviewServer) { copyAssetsToTeamSitePaths(buildOptions, files, entryNamesDictionary); copyAssetsToTeamSitePaths(buildOptions, files, this.entryNamesDictionary); ncksllvn on Jan 12 (Author) (Contributor) I'm not certain this copyAssetsToTeamSitePaths function really does anything anymore. It seems like whatever is going on here has replaced it, vets-website/config/webpack.config.js Line 25 in b46b14f // TODO: refactor the other approach for creating files without the hash so that we're only doing that in the webpack config: https://github.com/department-of-veterans-affairs/vetswebsite/blob/a012bad17e5bf024b0ea7326a72ae6a737e349ec/src/site/stages/build/plugins/process-entry-process-entrynames.js#L35 ncksllvn on Jan 12 (Author) Contributor cc @timwright12 @cvalarida mcksllvn commented on Jan 12 Contributor Author @meganhkelley This is ready for review 🔝 Update/add some comments √ a7d0081 oncksllvn reviewed on Jan 12 View changes src/site/stages/build/plugins/modify-dom/add-id-to-subheadings.js 103 } 104 } 105 }, 106 + }; ncksllvn on Jan 12 (Author) (Contributor) This file is basically the same as its predecessor (the file was moved into the modify-dom dir) but now wrapped in the modifyFile hook src/site/stages/build/plugins/modify-dom/check-broken-links/index.js 48 console.log(errorOutput); 49 } 50 }, + }; ncksllvn on Jan 12 (Author) Contributor Similar to the add-id-to-subheadings this file was just refactored to go into a modifyFile hook

View changes

mcksllvn mentioned this pull request on Jan 12

Improve memory usage during the content build department-of-veterans-affairs/va.gov-team#13821 [] 0 of 3 tasks complete	I
ncksllvn commented on Jan 12	Contributor Author
@meganhkelley FYSA that the GH issue this PR addresses is here, department-of-veterans-affairs/va.gov-team#1382	1.
va-vfs-bot deployed to master/npsfix-memory-issue on Jan 12 View deployment	
timwright12 approved these changes on Jan 13 View changes	
timwright12 left a comment	Contributor
ncksllvn merged commit 07edee3 into master on Jan 13 5 checks passed ncksllvn deleted the npsfix-memory-issue branch on Jan 13	View detail
acrollet mentioned this pull request on Jan 13 Update va-gov/web (v0.1.1217 => v0.1.1227) department-of-veterans-affairs/va.gov-cms#4004 № Merged	
The process of the p	