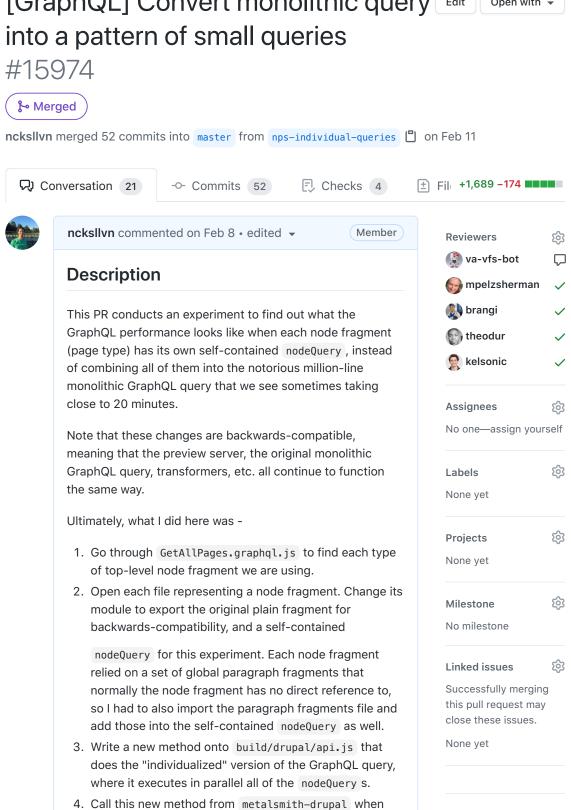


[GraphQL] Convert monolithic query Edit



build type isn't prod.

7 participants

Testing done

Sometimes the Drupal GraphQL API (both monolithic and individualized) is "hot" and will serve the entire response in seconds. Seriously, sometimes like 3 seconds. This is likely when Drupal's cache is ready and the content unchanged. The case we are worried about though is when the cache is cold, which was kinda tough to replicate. Here's an example though, where it appears to shave off 12 minutes .

The output is kind of verbose, but obviously we can wrap it with the verbose build arg. It's useful to see which specific queries are the most expensive. For instance, the nodeQuery to get all VA Forms has a lot of nodes (almost 500) and takes almost 3 minutes on its own, which means it is sometimes the bottleneck. We might be able to make this more efficient by splitting it into two queries, with one taking advantage of Drupal's GraphQL cache.

These result are taken from

http://jenkins.vfs.va.gov/blue/organizations/jenkins/testing%2 Fvets-website/detail/nps-individual-queries/20/pipeline/100.

The "Multiple queries" ran on the vagovstaging build whereas the monolithic query ran on the vagovprod build. Both use Drupal's prod environment.

- ▶ Multiple queries finishes at 3 minutes, 2 seconds
- ▶ Monolithic query: 14 minutes, 48 seconds

Test this locally but pulling the branch and running yarn build:content --pull-drupal.

Acceptance criteria

Peak GraphQL response times are drastically reduced

Definition of done

- Events are logged appropriately
- Documentation has been updated, if applicable
- ☑ A link has been provided to the originating GitHub issue (or connected to it via ZenHub)
- ☑ No sensitive information (i.e. PII/credentials/internal) URLs/etc.) is captured in logging, hardcoded, or specs











ncksllvn added 31 commits on Feb 5







-	Add landing page, health care region page	5e9a4e1
-	Add bio page; fix health care region page	× 53c3c7c
-0-	parallelize the requests	× 3e4da4c
-0-	add office	1354da3
-0-	Add health care local facility	5408aea
-0-	add services listing	× 7dddef6
0	add news stories	1297990
-0-	padd press release page	23f0e63
-0-	add press release listing	a193a05
-0-	add event listing pages	15045fb
-0-	add story listing, event	× 1e3c592
-	add location lists and leader lists	× dbbe040
-0-	<pre>add GetNodeVamcOperatingStatusAndAlerts</pre>	× 5212582
-0-	<pre>add publication GetNodePublicationListingPages, GetNodeHealthCareRegi</pre>	× 45a9760
-0-	Add the non-node queries	6de7ae7
0	🍘 fail on graphql errors	516880f
0	Add NodeQA and fix components	74e9e46
0	<pre>Add multiple faq</pre>	X fbc3b9c
0	<pre>add step by step</pre>	× 0b430f9
-0-	<pre>Add GetNodeMediaListImages</pre>	6463ddb
0	<pre>Add GetNodeChecklist</pre>	d50306e
0	<pre>add GetNodeMediaListVideos</pre>	051d591
0	<pre>add GetNodeSupportResourcesDetailPage</pre>	08f91f2
-0-	<pre>Add GetNodeBasicLandingPage</pre>	b572e36
-0-	<pre>Add GetCampaignLandingPages</pre>	abc01a1
-0-	<pre>update health_care_region_page filter</pre>	b3c7541
-	<pre>add to rest of build</pre>	× c388c0a
-	remove types	d447ce7
-0-	<pre>Merge remote-tracking branch 'origin/master' into nps-individual- queries</pre>	X ac26f5f



35 hidden items **Load more...**





kelsonic approved these changes on behalf of department-of-veteransaffairs/vsa-public-websites-frontend on Feb 9

View changes





@kelsonic it will but there is already a pattern set up so that
we can follow pretty easily.
src/site/stages/build/drupal/graphql/faqMultipleQa.gra
phql.js is a good example of a simple query that also
includes some shared paragraph fragments

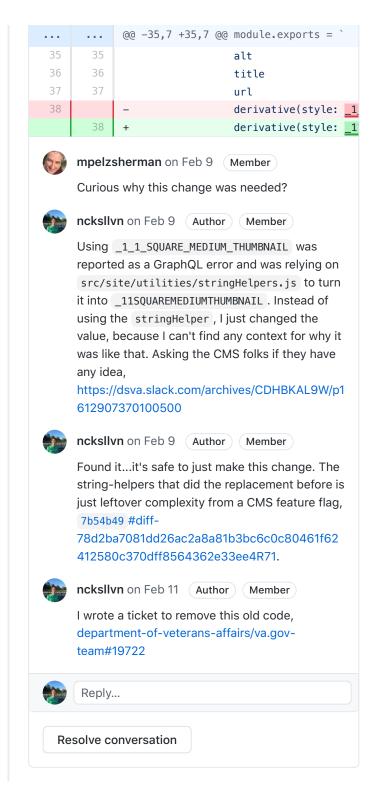




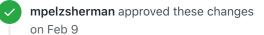
• mpelzsherman reviewed on Feb 9

View changes

src/site/stages/build/drupal/graphql/paragraph-fra
gments/staffProfile.paragraph.graphql.js







View changes

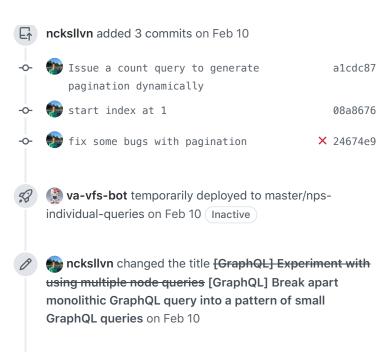


brangi self-requested a review on Feb 9



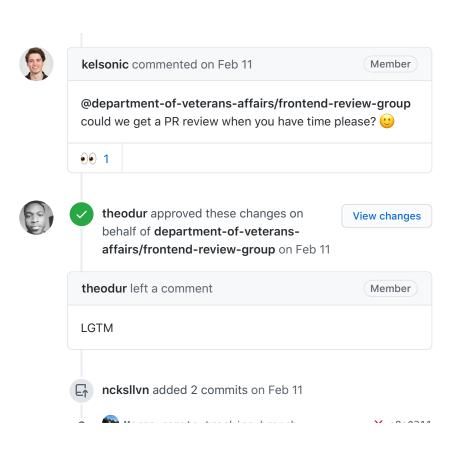
brangi approved these changes on Feb 9

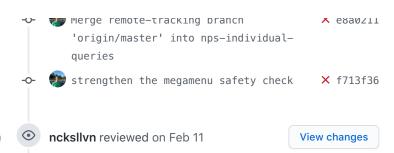
View changes

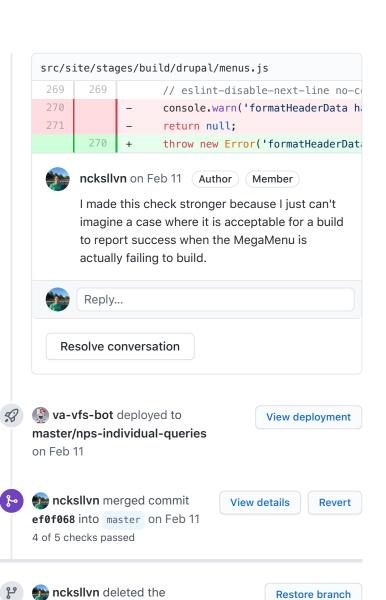


- monolithic GraphQL query into a pattern of small
 GraphQL queries [GraphQL] Break apart monolithic
 query into a pattern of small queries on Feb 10
- monolithic query into a pattern of small queries

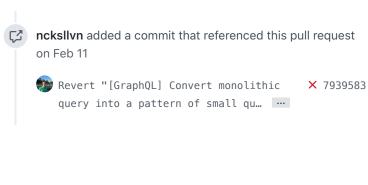
 [GraphQL] Convert monolithic query into a pattern of small queries on Feb 10







nps-individual-queries branch on Feb 11





Discovery on Improving CMS Export

Build Times department-of-veteransaffairs/va.gov-team#19612