

CSS-1702: API - Create gRPC Method and Move Theme Authorization and Authentication ...

* DEVDOCS-6276: [CSS GTM] API - Create gRPC Method and Move Theme Authorization a...

Durable Team: Store Design

Summary: None of the tickets linked to the CSS GTM ticket contained any relevant information about the specific feature to be documented (public PUT request /stores/{store_hash}/v3/themes/versions/{version_id} for updating theme name).

Approximately **5 hours** were spent to find relevant information. Once relevant information was presented, documentation could be written in **15 minutes**. -- **Actual update is blocked until work is done for theme Version ID to be surfaced.**

[Intake - CSS GTM Ticket details](#)

[Initial Scoping - Mar 20, 2025](#)

[Discovery/Research - Mar 21, 2025](#)

[Ticket Breakdown](#)

Intake - CSS GTM Ticket details

The ticket was created via a discussion in Slack -

<https://bigcommerce.slack.com/archives/D0271FP3S/p1742833016929509>

- Initially a DevDocs writer, not a lead/manager or the DT's Operational Readiness assignee, was tagged.
- The PM offered to create a DevDocs ticket, vs going through Operational Readiness/CSS (which would bypass any other teams that might have impact)
- Priority was stated as part of the discussion (which is good)

General tab -- this is where we would expect to see a description of the ticket. All fields are blank except that it is noted as an API change.

General Deliverables	
Epic Name	Rename Theme - change API request
User experience impact:	API: New or additive funct...
Expected Content Deliverables	DevDocs - Developer Doc...
Labels	None
Description	Add a description...
Historical Roadmap/GA Date	None
Alpha/ Beta description	None
Beta Size	None
Accepting participants?	None
URL	None

Contextual Info -

- Lists Eric Her as PM
- Links causal issue - [SD-10110: \[Fix by 2/4/2025\] Create gRPC Method and Move Theme Authorization...](#)
- Ticket created **Feb 24**; GA listed as **Feb 28**. (= <4 day lead time)
 - **Note:** Not ideal lead time, but fix was part of a security issue and they stated docs could be fast-follow in comments

Comments -



Josh Burney February 24, 2025 at 4:00 PM

Per engineering, I'm setting the GA date to middle of this week (Feb 26), but it is not considered an urgent devdocs update:

the code is done, and rollout is happening this week — we have some urgency to get this ramped since some CP traffic depends on it. but there shouldn't be urgency on the DEVDOCS side of things

Initial Scoping - Mar 20, 2025

- Investigated CSS GTM ticket, found no relevant info on ticket. (No information was added separately the DevDocs ticket in this instance, either)
- Searched dev center for possibly related endpoints
 - **Known issue:** dev center search is lacking and struggles with “relevance pinging”
 - Found no related endpoints via search in public facing docs.
 - Most related data pointed to Guides and Concept Docs rather than Reference Docs

Time invested: ~1 hour.

Discovery/Research - Mar 21, 2025

Found SD ticket in CSS GTM “caused by” tickets.

☒ SD-10110: [Fix by 2/4/2025] Create gRPC Method and Move Theme Authorization and Au...

[Fix by 2/4/2025] Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

+ Add @ Apps

Description

Currently, there is PUT calls to `/admin/services/themes/stores/<STORE_HASH>/versions/<VERSION_UUID>` which is made to rename a theme doesn't pass thru BCApp but hits ThemeRegistry via CPMiddleware application. This means we cannot handle the check in BCApp and would fall inside Theme Registry.

The fix might not be a simple one IMO as our understanding of CP-Middleware is very very limited. We should deprecate the CP middleware dependency, create a gRPC method and change the api request to happen over api-proxy which would give us better control over authorization and authentication checks.

What's the change to the user?

Before -

What changed? -

After -

If behind experiment or feature flag, what is the rollout plan?

Example:

MMM DD YY - Rollout to X% of T1

MMM DD YY - Rollout to X% of T2

MMM DD YY - Rollout to 100% of T3

Investigated SD ticket. Found the following:

- New endpoint to be created in V3 endpoints
- New endpoint to use API proxy to trigger internal endpoint
- Internal endpoint address:
`/admin/services/themes/stores/<STORE_HASH>/versions/<VERSION_UUID>`
- **NOTE:** missing endpoint parameters, missing endpoint body, missing endpoint expected responses

Found PROJECT ticket in SD ticket breadcrumbs.

 PROJECT-7006: Create gRPC Method and Move Theme Authorization and Authentication ...

- Same description as child ticket
- “Link to MVP” doesn't go anywhere
- No other tabs are filled out

Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

[+ Add](#) [@ Apps](#)

[Overview](#) Project Status and Milestones Alpha/BETA Security and Privacy GTM

Description

Overview:

Currently, there is PUT calls to `/admin/services/themes/stores/<STORE_HASH>/versions/<VERSION_UUID>` which is made to rename a theme doesn't pass thru BCApp but hits ThemeRegistry via CPMiddleware application. This means we cannot handle the check in BCApp and would fall inside Theme Registry.

The fix might not be a simple one IMO as our understanding of CP-Middleware is very very limited. We should deprecate the CP middleware dependency, create a gRPC method and change the api request to happen over api-proxy which would give us better control over authorization and authentication checks.

Links to Docs

[Link to MVP](#)

Investigated PROJECT ticket. Found the following:

- Several linked SD tickets for managing tasks
- Several linked SD tickets about related issues
- One SD ticket about the value add (public endpoint to be documented)
- Motivation for but no details about the new endpoint.
 - Missing path
 - Missing relevant docs page
 - Missing parameters
 - Missing body
 - Missing expected responses

Investigated value add SD ticket. Found the following:

- Plan to add external endpoint.
- Missing all relevant data as outlined above.

With the referenced internal API path, searched the docs repo for references to similar features.

Found nothing.

Reached out to project owner: [Roberto Alvarez](#)

Asked for clarification:

 Terra Hyde 9:03 AM
Hi there!
I'm looking at a DevDocs ticket about a new gRPC endpoint, and it looks like you owned most of the associated SD and other tickets before they were finished. [this project: PROJECT-7006]
I had a few questions about it. Feel free to point me at someone else if you're the wrong one to ask.
1. Are there any impacts to the end-developer experience from the update?
2. Do you happen to know if related endpoints had documentation prior to this update?
There are probably other questions that may come up.

Response:

 Roberto Alvarez 9:38 AM
hey  yep, i did. not sure if i follow the questions correctly 😊 but for 1), i would say the impact is just that people can now use the new endpoints to rename themes. this was not possible through the api before, it had to be done through the CP UI. it doesn't really have much impact, besides the benefits that the new functionality provides. and for 2) i think related endpoints do have public facing docs available. should be under themes api

Searched Dev Center for references to themes API. Found

<https://developer.bigcommerce.com/docs/rest-content/themes>

Searched Repo for endpoints listed. Found

<https://github.com/bigcommerce/docs/blob/main/reference/themes.v3.yml>

Used info in those pages to test the endpoint based on the info provided in the tickets.

Could not get any successful calls.

Reached out to Roberto for specific data to ensure the following:

- What is the path?
- What is the body?
- What are the expected responses?

 Terra Hyde 10:16 AM
Ignore that message.
I'm just testing the endpoint to get an understanding of things, so I have a better series of questions:
1. What fields are allowed in the body?

- a. What are their datatypes and restrictions?

2. The endpoint appears to be /stores/{store-hash}/v3/themes/versions/{theme-id}.

- a. Which ID does it use?
- b. Which themes are allowed to be renamed?

3. What potential call-outs would benefit developers in documenting the endpoint?

 Roberto Alvarez 10:41 AM
1. the only field that is accepted is a `name` field that should be included in the body of the PUT request, so basically a json object that looks like `{ "name": "new name" }`. The endpoint does not return anything back, besides an OK response code. The `name` must be a string
2. It is actually a `version_id` not a theme id. users can only rename themes that belong to their store
and actually as i was answering that, i am noticing that... i don't think `version_id` is exposed as a field in the theme
let me double check that, but that's a problem

 Terra Hyde 10:42 AM
Awesome. I hoped that would be response (both parts) cause the endpoint keeps returning a 404

 Roberto Alvarez 10:43 AM
yeahhhhhh
sorry we'll need to re-think / re-do this part before we can write the docs i think
it doesn't look like outside devs have access to getting the `version_id` that this endpoint is expecting, as it stands currently

 Terra Hyde 10:44 AM
Sounds fair. I'll mark the ticket as blocked, but I'll write up the basics, and when it's ready, we can add the update!

Time invested: ~4 hours.

Wrote endpoint documentation and included in JIRA comment:

<https://bigcommercecloud.atlassian.net/browse/DEVDOCS-6276?focusedCommentId=1985047>

Time invested: 15 minutes.

Future Ask

Documentation requests related to net new APIs / endpoints should include the following, at minimum:

- End-user impact
- Page(s) affected
- Endpoint(s) affected
 - Path(s)
 - Method(s)
 - Parameter(s)
 - Name(s)
 - Type(s)
 - Location(s) [path, query, et c]
 - Description
 - Body Fields
 - Name(s)
 - Type(s) [and associated properties for objects and arrays]
 - Description(s)
 - Expected Responses
 - Code(s)
 - Description(s)
 - Response Body Fields [see above for details]
 - Examples for particularly odd cases
 - Important call-outs for end-users [if applicable]

Updates to specific endpoints should include the following, as applicable:

- Page(s) affected
- Endpoint(s) affected
 - Changes to be made
 - Restrictions may be given as e.g. "minValue = 7"
 - Call limits may be given as e.g. "Maximum concurrent requests = 10"
 - Call-outs may be given as e.g. "Note that the endpoint has a body even though that's abnormal"

- Corrections may be given as e.g. “Doc currently says ‘there are seven datatypes’. Doc should say ‘there are six datatypes’.”

Ideally this information should be present in a ticket description or a ticket tab.

Providing this information up-front with an API documentation request will cut down on the work DevDocs needs.

Ticket Breakdown

Ticket: <https://bigcommercecloud.atlassian.net/browse/DEVDOCS-6276>

Title: API - Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

Description: Empty

[CSS GTM] API - Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

+ Add ⚙ Apps

Overview Scoping Post-Publication

Description

Contributing Alpha docs? Follow our process. Make Developer Documentation changes in GitHub.

⚠ Release note requested? Submit one.

Estimated GA Date Feb 26, 2025

Components Reference Docs

GTM Ticket: <https://bigcommercecloud.atlassian.net/browse/CSS-1702>

Description: Empty

API - Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

+ Add ⚙ Apps

General Deliverables

Epic Name Rename Theme - change API request

User experience impact: API: New or additive functi...

Expected Content Deliverables DevDocs - Developer Docu...

Labels None

Description Add a description...

Historical Roadmap/GA Date None

Alpha/ Beta description None

Beta Size None

Accepting participants? None

Caused By: <https://bigcommercecloud.atlassian.net/browse/SD-10110>

Comments relevant to DevDocs change:



Roberto Alvarez February 28, 2025 at 1:56 PM

Ramp to t2 and t3 should be done. We have the usage to the affected endpoint

All theme rename calls should now be going through api-proxy via the following route: `admin/services/public/stores/:STORE_ID/v3/themes/versions/:VERSION_UUID`



Roberto Alvarez February 24, 2025 at 1:39 PM

Ramped to tier1 stores



Roberto Alvarez February 21, 2025 at 10:49 AM Edited

Here's some updates regarding the status of this work

- Created a new rpc in Theme Registry that will handle all these theme rename requests going forward
- Created a new public v3 endpoint in API proxy that uses the above rpc
- Switched all of the microapp traffic to hit the new endpoint (under experiment)

I just enabled this experiment in staging to let the bcapp tests use the new flow. If all is well, we should begin ramping in production starting next week



Nathan Booker February 12, 2025 at 1:53 PM

Being able to rename a theme in the public API is desirable anyways (there's a feature request floating around for it somewhere)

Relevant Points:

- New public endpoint related to a feature request
- New endpoint moves through proxy at `admin/services/public/stores/:STORE_ID/v3/themes/versions/:VERSION_UUID`
- **Missing relevant information:** expected endpoint behaviour and final path

Connected Project: <https://bigcommercecloud.atlassian.net/browse/PROJECT-7006>

Description:

Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

+ Add

[Overview](#) [Project Status and Milestones](#) [Alpha/ BETA](#) [Security and Privacy](#) [GTM](#)

Description

Overview:

Currently, there is PUT calls to `/admin/services/themes/stores/<STORE_HASH>/versions/<VERSION_UUID>` which is made to rename a theme doesn't pass thru BCApp but hits ThemeRegistry via CPMiddleware application. This means we cannot handle the check in BCApp and would fall inside Theme Registry.

The fix might not be a simple one IMO as our understanding of CP-Middleware is very very limited. We should deprecate the CP middleware dependency, create a gRPC method and change the api request to happen over api-proxy which would give us better control over authorization and authentication checks.

Links to Docs

[Link to MVP](#)

Relevant points:

- Existing PUT that is only internal
`/admin/services/themes/stores/<STORE_HASH>/versions/<VERSION_UUID>`
- Expanding internal PUT to external PUT
- Adjusting backend behaviour to improve functionality, transparency, and logging
- **Linked Doc is dead.** Links to “url”

Project Status and Milestones: Empty

Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

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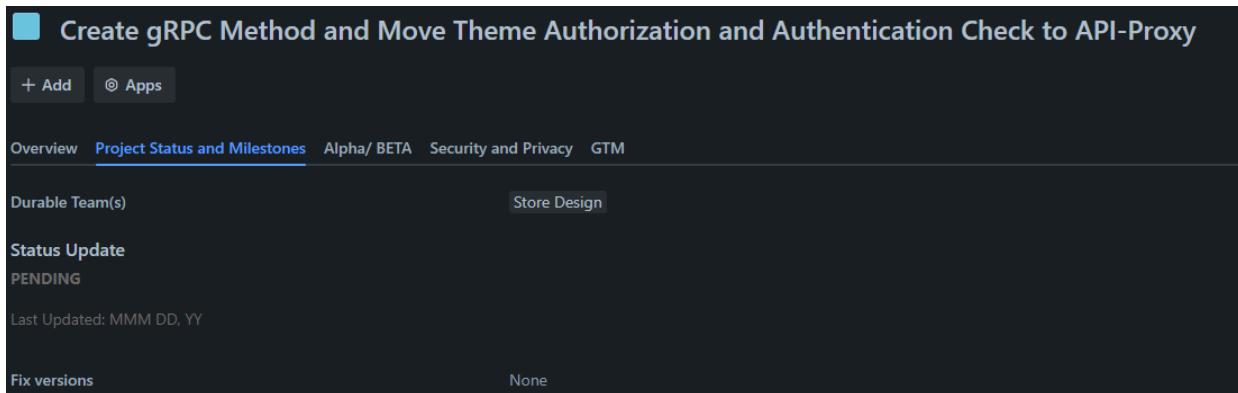
Overview Project Status and Milestones Alpha/ BETA Security and Privacy GTM

Durable Team(s) Store Design

Status Update PENDING

Last Updated: MMM DD, YY

Fix versions None



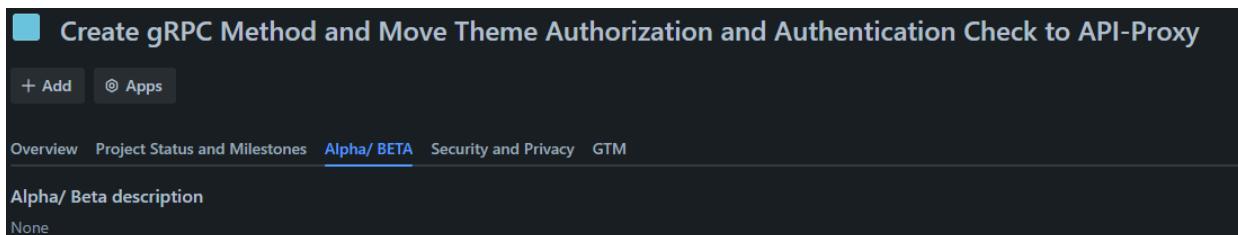
Alpha/BETA: Empty

Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

+ Add Apps

Overview Project Status and Milestones Alpha/ BETA Security and Privacy GTM

Alpha/ Beta description None



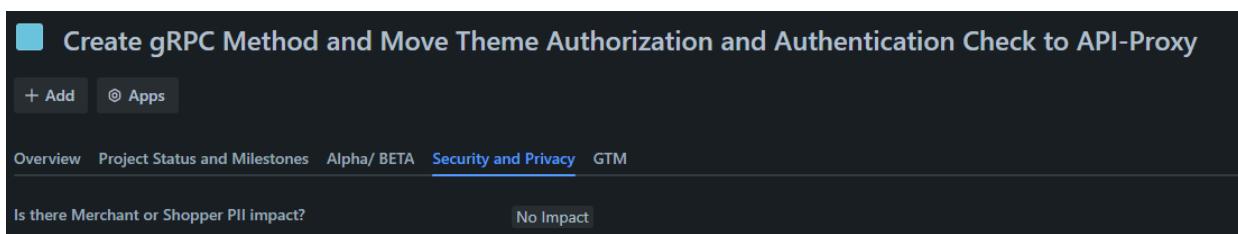
Security and Privacy: Empty

Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

+ Add Apps

Overview Project Status and Milestones Alpha/ BETA Security and Privacy GTM

Is there Merchant or Shopper PII impact? No Impact



GTM: Empty

Create gRPC Method and Move Theme Authorization and Authentication Check to API-Proxy

+ Add Apps

Overview Project Status and Milestones Alpha/ BETA Security and Privacy GTM

GTM Activities

Please assess GTM needs and file relevant tickets:

- Internal KB?
- External KB?
- Forum post?
- Partner comms (alert partner when mutual client is participating in a beta)?
- Account managers comms (alert account managers when Enterprise clients are participating in a beta)
- Sales & Support training (LD ticket)
- Identify beta participants
- Comms to invite beta participants
- Comms to beta participants who are selected
- Comms to beta participants who are not selected
- Partner comms (announce feature) - GTM ticket
- Merchant comms re migration (where relevant)
- Merchant comms announcing feature - GTM ticket
- Blog post announcing feature - GTM ticket
- Press release (where relevant) - GTM PR ticket

Child Tickets:

- SD-10110
- SD-10937
- SD-10988
- SD-10989
- SD-10990
- SD-10991

Key ticket: SD-10991 - Missing relevant information about change:

Create interfaces for PUT Theme & v3 endpoint

+ Add Apps

Description

Implement a new rpc interface that will be used in the new rpc for PUT theme versions. Go through the current HTTP response, figure out which response fields should be which rpc type, and create an interface that correctly describes this response. Utilize these interfaces in a v0 api-proxy endpoint

AC

- A new interface exists in the interfaces repo that matches the current response of the http endpoint
- A new interfaces version is released with this change and is ready to be used
- A v0 endpoint is available at api-proxy

What's the change to the user?

Before -
What changed? -
After -