

Document how to update AppSync API key #1450

[New issue](#) Closed

lorensr opened this issue on May 13, 2019 · 26 comments



lorensr commented on May 13, 2019

```
$ amplify -v  
1.6.6
```

It seems like the default DX if you add a GraphQL API w/ API key auth is that `amplify push` stops working after 7 days. I can create a new API key in AppSync Settings page, but I'm not finding documentation about how to give the new key to `amplify`.

Alternatively, if `amplify` auto generated new keys to use, that'd be better. Looks like was added with [#446](#), but it's either not working or not enabled by default.



Assignees

No one assigned

Labels

[graphql-transformer](#)
[question](#)

Projects

None yet

Milestone

No milestone

Linked pull requests

Successfully merging a pull request may close this issue.

None yet

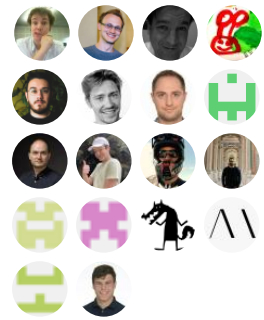
18 participants



kaustavghosh06 commented
on May 15, 2019

Contributor

@lorensr As a best practice - from the AppSync service, APIKeys should be used in development mode for a short period of time (7 days is recommended which Amplify provides as default). But if you want to customize it, you can use the various parameters available to you by Amplify. Take a look at this reference - <https://aws-amplify.github.io/docs/cli/graphql#apikeyexpirationepoch>
For your case, you could probably use APIKeyExpirationEpoch and APIKeyExpirationEpoch to extend the life of your API Keys.



kaustavghosh06 added `graphql-transformer`
`question` labels on May 15, 2019



kaustavghosh06 closed this on May 15, 2019



lorensr commented on May 15, 2019

Author

@kaustavghosh06 I'm seeing the below, which I imagine works with an existing valid api key? Mine is expired and gone from settings. I'm looking for docs saying how I can tell amplify about the new api key I created.

APIKeyExpirationEpoch

Resets the API Key to expire 1 week after the next **amplify push**

```
{
  "APIKeyExpirationEpoch": "0"
}
```

Do not create an API key

```
{
  "APIKeyExpirationEpoch": "-1"
}
```

Set a custom API key expiration date

```
{
  "APIKeyExpirationEpoch": "1544745428"
}
```

The value specified is the expiration date in seconds since Epoch



kaustavghosh06 reopened this on May 15, 2019



kaustavghosh06 commented
on May 15, 2019

Contributor

@lorensr Did you create the API Key on the console?



kaustavghosh06 commented
on May 15, 2019

Contributor

In the 'parameters.json' file, did you update/add
{"APIKeyExpirationEpoch": <your-epoch-for-api-key-
expiry> }? This should create a new API Key for you
which will expire based on the value to have in ' field.



lorensr commented on May 15, 2019 • edited ▾

Author

Ah thanks, it's not clear to me from the docs that in the first
and third cases, a new api key is automatically created if the
current has already expired.



kaustavghosh06 commented
on May 16, 2019

Contributor

Okay, I'll create an internal request for updating the docs to
reflect this. Thank you for bringing this up!



kaustavghosh06 closed this on May 16, 2019



s-hood commented on May 23, 2019

I'm having a similar issue. In the AppSync console I have this message "You don't have any available API keys, please create one under the section API keys."

I set the epoch expiration to 0 in the API parameters.json but amplify push now hits "Resource is not in the state stackUpdateComplete" right after the message "API key not found".

Also as a secondary question would setting the expiration to -1 mean I never need to set a new key? I understand this is for dev only



matthewbga commented on May 28, 2019

I am having the same issue, but cannot simply push to resolve it, even with the parameters.json file update.

`amplify push` no longer works for me because the API Key has expired (and has been deleted?)

Is there nay advice you can give on getting things back in sync between the amplify CLI tooling and the CloudFormation deployment?



karldanninger commented on Jun 4, 2019

I'm having an issue with this aswell. After updates `aws-exports` i see the old key in the logs after an `amplify push`



✉ **lorensr** commented on Jun 4, 2019

Author

Hey Karl! Have you tried setting APIKeyExpirationEpoch to "0" in parameters.json?
...



karldanninger commented on Jun 5, 2019

Hey @lorensr ❤️ that worked. Thanks!

I set it to -1 then amplify push . Then I set epoch to 1 year into the future and pushed again.

One potential bug I've noticed is if I amplify status the GraphQL API KEY still shows the old expired/deleted key.



tedkimzikto commented on Jul 2, 2019

any updates

stephanrotolante commented on Jul 16, 2019 • edited ▾

any updates

Yeah I got it to work. You have to add "APIKeyExpirationEpoch": "-1" to the JSON Object in the parameters.json file. Other people in this thread said just change the value to -1, but my json object didn't even have the "APIKeyExpirationEpoch" property, so if it doesn't have it just add it. There are many parameter.json files, but the one I added this to was the backend -> api parameters.json file

The screenshot shows the VS Code interface. On the left, the Explorer sidebar shows a project structure with folders like .vscode, amplify, .config, #current-cloud-backend, backend, api, laxapp, build, resolvers, stacks, CustomResources.json, parameters.json, schema.graphql, auth, laxapp78481d20, ! laxapp78481d20-cloudformation-..., ! parameters.json, awscloudformation, ! nested-cloudformation-stack.yml, hosting, S3AndCloudFront, ! parameters.json, ! template.json, ! amplify-meta.json, ! backend-config.json, and ! team-provider-info.json. The 'parameters.json' file under the 'api' folder is selected and highlighted with a red circle. The main editor shows the content of 'parameters.json' with a red circle around the following JSON object:

```
1 {
2   "AppSyncApiName": "laxapp",
3   "DynamoDBBillingMode": "PAY_PER_REQUEST",
4   "APIKeyExpirationEpoch": "-1"
5 }
```

At the bottom, the TERMINAL tab shows the output: UPDATE_COMPLETE laxapp-prod-28190614083534-api: laxapp-UZLVZAI12B8R-Td... i. Updating resources in the cloud. This may take a few minutes...



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digthewells commented on Jul 19, 2019

I was able to change an expired api key in amplify by...

1. Creating a new api key in the app sync console
2. Overwriting "GraphQLAPIKeyOutput" with the new key in #current-cloud-backend/amplify-meta.json and the same file in backend/
3. I then created "APIKeyExpirationEpoch": "-1" as the above stated.
4. Executed amplify push

This worked without an amplify error.



ChristopheBougere mentioned this issue

on Oct 13, 2019

**Converting from Expired API Key to
Cognito causes Cloudformation to fail.**
#954

Closed



danieldram commented on Oct 13, 2019

All the steps above for me have failed. The GraphQL ApiKey will not reset no matter if I set the epoch setting to 0, -1 or "0" or "-1".... This is really frustrating.





ph0ph0 commented on Nov 15, 2019 • edited ▾

@kaustavghosh06 Does anyone have any updates on a solid fix for this please? I have tried all of the suggestions on this thread as well as the reference above ([#954](#)) and none of them have worked. The only solution that I have at the minute is to completely delete my entire amplify setup every week and then recreate it. Obviously this is less than ideal, and will not work at all in production. Does anyone know if AWS are thinking of fixing this issue? Surely this should be top of the list, as it is a huge flaw in the system and makes Amplify completely unusable?



CyanCode commented on Dec 16, 2019

I'm having the same issue, **@ph0ph0**, I've tried all the suggestions as well with no success. Did you ever end up finding a fix?



joekickass commented on Dec 19, 2019 • edited ▾

@CyanCode - try adding both `APIKeyExpirationEpoch` and `CreateAPIKey` to `amplify/backend/<api>/parameters.json`, e.g:

```
"APIKeyExpirationEpoch": -1,  
"CreateAPIKey": -1
```

then run `amplify push`. This should delete the API key from the stack. Now, remove `APIKeyExpirationEpoch` and `CreateAPIKey` from `parameters.json` again, and create a new key using the CLI:

```
amplify update api  
amplify push
```

Worked for me in `amplify` version `4.6.0`.



CyanCode commented on Dec 21, 2019

Thanks **@joekickass**, this worked for me in `amplify` version `3.17.0`



meshuga commented on Dec 25, 2019

Looks like `APIKeyExpirationEpoch` doesn't work anymore and setting `CreateAPIKey` to `-1` is needed. Thanks **@joekickass**!



ultradox commented on Dec 29, 2019

Tried settings recommended by @joekickass:

APIKeyExpirationEpoch and CreateAPIKey parameters should not be used together because it can cause unwanted behavior. In the future APIKeyExpirationEpoch will be removed, use CreateAPIKey instead. APIKeyExpirationEpoch parameter's -1 value is deprecated to disable the API Key creation. In the future CreateAPIKey parameter replaces this behavior.

Abort amplify push and tried setting only CreateAPIKey to -1 then amplify push

```
UPDATE_FAILED: Parameter 'CreateAPIKey' must be a
number not less than 0
amplify --version
4.6.0
```

Deleted expired key from AppSync, set CreateAPIKey to 0 , push, thereafter remove CreateAPIKey parameter and push again. Finally, back in working state :)





andraskuti commented on Apr 1 • edited ▾

Based on the official docs this is what you need to do to rotate keys.

It worked for me (even in the scenario, when the current key was already expired).

Follow these two steps when you need to rotate an API Key

1. Delete the existing API key by setting CreateAPIKey to 0 in the amplify/backend/api//parameters.json file and execute amplify push.
2. Create a new API key by setting CreateAPIKey to 1 in the amplify/backend/api//parameters.json file and execute amplify push.

<https://aws-amplify.github.io/docs/cli-toolchain/graphql#apikeyexpirationepoch>



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elliott-king commented on Jun 14

Updated link for the above comment is

<https://docs.amplify.aws/cli/graphql-transformer/config-params#apikeyexpirationepoch>.



khoyee commented on Jun 18

I think this is the correct link

<https://docs.amplify.aws/cli/graphql-transformer/config-params#createapikey>



1



poultier7 commented 7 days ago

@CyanCode - try adding both `APIKeyExpirationEpoch` and `CreateAPIKey` to `amplify/backend/<api>/parameters.json` , e.g:

```
"APIKeyExpirationEpoch": -1,  
"CreateAPIKey": -1
```

then run `amplify push` . This should delete the API key from the stack. Now, remove `APIKeyExpirationEpoch` and `CreateAPIKey` from `parameters.json` again, and create a new key using the CLI:

```
amplify update api  
amplify push
```

Worked for me in `amplify` version `4.6.0` .

This worked for me after an initial step of disabling API access to my lambda functions first.



elliott-king commented 6 days ago

At this point I am able to just cycle the key with `CreateAPIKey` . If I set that to `-1`, push, then reset & push, that now does the trick.

@aws-amplify/cli@4.16.1



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