

New issue

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[iOS] Headers for one request are sent for all subsequent requests, even if no headers specified #690

Closed andreialecu opened this issue on Jun 5, 2020 · 4 comments

Labels bug

andreialecu commented on Jun 5, 2020 • edited

Describe the bug

When an image with `source={{uri: "...", headers: { host: "somehost.com", authorization: "..." }}}` is loaded, all other subsequent images will use the same headers.

This can lead to images not showing, because the `host` header is wrong, and web servers will return 404 errors for the request.

To Reproduce

Steps to reproduce the behavior if possible, or a link to a reproduction repo:

1. Go to <https://hookbin.com/> and create a new endpoint
2. Add an image with `source={{ uri: "hookbin endpoint #1", headers: { foo: "bar" } }}`.
3. Create another endpoint at hookbin
4. Add another image with `source={{ uri: "hookbin endpoint #2" }}`, ensure it loads after image 2.

The request for image on endpoint `#2` will include the `foo : bar` headers.

This is probably the reason of a lot of errors with images not properly showing in this repository.

Additionally, this is a serious security issue, as signing credentials or other session tokens could be leaked to other servers. See screenshot below.

Expected behavior

Headers should not be reused.

Screenshots

HTTP HEADERS	Request	Response
accept:	image/*,*/*;q=0.8	
accept-encoding:	gzip, deflate, br	
accept-language:	en-us	
authorization:	AWS4-HMAC-SHA256 Credential=ASIA3KVBTH	
host:	hookb.in	
if-none-match:	W/"4037-S+SP8oG9tFRS5rhQ5rkyi5fvuKY"	
user-agent:	projectsport/1.1 (iPhone; iOS 13.5; Scale/2.00)	
x-amz-content-sha256:	e3b0c44298fc1c149afb4c8996fb924;	
x-amz-date:	20200605T093031Z	
x-amz-security-token:	IQoJb3JpZ2luX2VjEDoaCWV1LXdlc3Qt	

Notice how headers are leaked to other servers. The headers were only supposed to be used for images from the s3 bucket, but they are attached to every request.

Dependency versions

- React Native version: 0.62.1
- React version: 16.11.0
- React Native Fast Image version: 8.1.5

andreialecu added the bug label on Jun 5, 2020

This was referenced on Jun 5, 2020

Automatically managing HTTP headers (host, accept) SDWebImage/SDWebImage#3031

Closed

Some images are not showing. #242

Closed

andreialecu commented on Jun 5, 2020 • edited

Author

Issue acknowledged as bug in react-native-fast-image by upstream SDWebImage contributor @dreampiggy at:

dreampiggy commented on Jun 5, 2020 • edited

Contributor

Not the issue of upstream dependency, this is a bug of react-native-fast-image implementation on iOS. Should use the correct API to do `Per-image-level-header-setup`.



andreialecuc mentioned this issue on Jun 5, 2020

`feat(ios): allow for for per-image-request-headers` #691

Merged

andreialecuc commented on Jun 12, 2020

Author

Fix is available at [#691](#)

andreialecuc commented on Jul 17, 2020

Author

Closing since [#691](#) was merged, and the fix is in version 8.3.0 as per [#691 \(comment\)](#)



andreialecuc closed this as completed on Jul 17, 2020

Assignees

No one assigned

Labels

bug

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

2 participants

