

Forum:[Hack Forums](#)

Thread: [With CloudFlare's new features...](#)

Deatives - October 2, 2016, 12:48 pm

I know you guys haven't used HTTPS in the past because of the issues it would cause with your theme. I read the thread however since then CloudFlare has added a new feature.

As stated in their user control panel:

Quote:Automatic HTTPS Rewrites

Automatic HTTPS Rewrites helps fix mixed content by changing "http" to "https" for all resources or links on your web site that can be served with HTTPS.

This would mean you guys could setup HTTPS and force it through page views and it wouldn't cause theme issues allowing HackForums Users more security. I think this should go under serious consideration. Your thoughts?

Elitas - October 2, 2016, 1:15 pm

How do you do this in Cloudflare Settings?

Phil - October 2, 2016, 1:22 pm

(Oct 2, 2016 01:15 PM)xHackerPr0 Wrote: [\[CITE\]](#) How do you do this in Cloudflare Settings?

Cloudflare -> Your domain -> Crypto -> Last option is "Automatic HTTPS Rewrites" and turn it on ?

Elitas - October 2, 2016, 1:24 pm

(Oct 2, 2016 01:22 PM)DehPhil Wrote: [\[CITE\]](#) Cloudflare -> Your domain -> Crypto -> Last option is "Automatic HTTPS Rewrites" and turn it on ?

Thanks!

ZuGgY - October 2, 2016, 1:55 pm

I still don't think Omniscient would add this. Technically, IIRC, we did have HTTPS (at least on the login page), but with broken theme features. This has been requested and debated about for a long time. Wondering to see what happens now, I guess?

Deatives - October 2, 2016, 7:49 pm

(Oct 2, 2016 01:55 PM)ZUGGY Wrote: [\[CITE\]](#) I still don't think Omniscient would add this.

Technically, IIRC, we did have HTTPS (at least on the login page), but with broken theme features. This has been requested and debated about for a long time. Wondering to see what happens now, I guess?

Yeah but enabling this new feature would remove the issues. Now it's up to Omni to decide whether he will enable the new feature and give us the https many of us always wanted :D

Omniscient - October 2, 2016, 10:03 pm

I'll look into how CF does it and how it would effect HF. My only concern with HTTPS protocol is that browsers may give visitors a broken page or even block the page because not all content will be HTTPS.

I'd rather serve unencrypted content than have pages blocked by browsers.

EDIT:

Mmmm....

Quote:What is Automatic HTTPS Rewrites?

Automatic HTTPS Rewrites is a feature that safely rewrites links to unencrypted resources from HTTP to HTTPS. Before the rewrite is applied and served in the HTML sent to your web visitors, a ruleset is checked to ensure the references are accessible via HTTPS.

Why Should I use Automatic HTTPS Rewrites?

If your site contains links or references to HTTP URLs that are also available securely via HTTPS, Automatic HTTPS Rewrites can help. If you connect to your site over HTTPS and the lock icon is not present, or has a yellow warning triangle on it, your site may contain references to HTTP assets ("mixed content").

Mixed content is often due to factors not under the website owner's control such as embedded third-party content or complex content management systems. By rewriting URLs from "http" to "https", Automatic HTTPS Rewrites simplifies the task of making your entire website available over HTTPS, helping to eliminate mixed content errors and ensuring that all data loaded by your website is protected from eavesdropping and tampering.

Note: Only URLs that are known to support HTTPS will be rewritten. We use data from EFF's HTTPS Everywhere and Chrome's HSTS preload list, among others, to identify which domains support HTTPS.

That doesn't sound that great.

Deatives - October 3, 2016, 3:59 am

(Oct 2, 2016 10:03 PM)Omniscient Wrote: [\[CITE\]](#) I'll look into how CF does it and how it would effect HF. My only concern with HTTPS protocol is that browsers may give visitors a broken page or even block the page because not all content will be HTTPS.

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Any URL that CloudFlare can confirm in their database that supports HTTPS will be rewritten. You should definitely do further testing before putting the idea away :)

Neeeeeeeeeeel.- - October 3, 2016, 4:14 am

(Oct 3, 2016 03:59 AM)Deatives Wrote: [\[CITE\]](#) Any URL that CloudFlare can confirm in their database that supports HTTPS will be rewritten. You should definitely do further testing before putting the idea away :)But most of the URLs over de Internet doesn't support HTTPS, so we will be at the same point... just less errors, but the solution it's not 100%. I don't think it will be implemented.

If Omni makes an in-site "wrapper" to deliver each third-party content from HF (replacing the URLs with regular expressions) could make the site 100% https BUT the site will get a lot more traffic because EVERYTHING will go thought HF servers. Plus attackers could use the wrapper to affect HF servers. Btw, this could be setup in a completly different server (or servers) with a different domain and will work, but it will cost a lot + attacker could still "take down" the third-party resources servers. So I'm sure it won't be done.

Deatives - October 3, 2016, 4:25 am

(Oct 3, 2016 04:14 AM)Neeeeeeeeeeel.- Wrote: [\[CITE\]](#) But most of the URLs over de Internet doesn't support HTTPS, so we will be at the same point... just less errors, but the solution it's not 100%. I don't think it will be implemented.

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The wrapper wouldn't be abusable. It'd just make everything go over HTTPS. Also every resource I've seen on the page links to hackforums.net (CSS, Images, JS, and the sort). It wouldn't be anything that could cause errors. I'd like to see HackForums grow to use the same technologies that other forums are using :)

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Thisone it's not linked to HF domain

Deatives - October 3, 2016, 7:07 am

But literally every resource linked on the home page is on the root domain even resources linked in the CSS.

Neeeeeeeeeeel.- - October 3, 2016, 7:13 am

(Oct 3, 2016 07:07 AM)Deatives Wrote: [\[CITE\]](#) But literally every resource linked on the home page is on the root domain even resources linked in the CSS.We know that, it was already fixed. But Omni is also concerned about third-party resources like the one I posted above.

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(Oct 3, 2016 07:13 AM)Neeeeeeeeeeel.- Wrote: [\[CITE\]](#) We know that, it was already fixed. But Omni is also concerned about third-party resources like the one I posted above.

Like if a user links to non HTTPS images? He has two options:

- 1) Image proxy thru Tor to hide backend IP
- 2) Let image display as is.

Just a note the image won't refuse to display in most browsers however it will show a warning (not read https but the gray one and show a 'connection is private but some resources could be modified in transit' message). Your thoughts?

Omniscient - October 3, 2016, 7:53 am

Quote:But most of the URLs over de Internet doesn't support HTTPS

I'm not sure about the percentage but that does concern me. We have a lot of websites advertised by members that aren't SSL compatible. Even a signature by a high post count member with an image from a smaller domain without SSL may cause pages to not load for visitors with secure browser settings. I think that's unreasonably negative for the small benefit SSL will offer.

Quote:If Omni makes an in-site "wrapper" to deliver each third-party content from HF (replacing the URLs with regular expressions) could make the site 100% https BUT the site will get a lot more

traffic because EVERYTHING will go through HF servers.

Would also make us a lot more susceptible to DDOS attacks or possibly even other exploits.

Quote:I'd like to see HackForums grow to use the same technologies that other forums are using
HTTPS was not designed for forums. It was designed for encrypting traffic with banks or other sensitive data and websites. We don't need it. That's the real bottom line. I really don't care what other forums use.

Quote:But literally every resource linked on the home page is on the root domain even resources linked in the CSS.

Maybe you don't know how HTTPS works. All the links on the page would need to be HTTPS as well.

Quote:1) Image proxy thru Tor to hide backend IP
Tor is blocked.

Quote:2) Let image display as is.

Unfortunately we have too many members that are unsophisticated. Especially noobish members who come here to get some help. I don't need them encountering browser errors about the site being insecure. Would you go to HACKforums.net, get a browser warning, and then choose to ignore it? I think many would just opt to click away. That's my personal behavior whenever I go to a site and the browser gives me a security warning. I close the window without a second thought.

Deatives - October 3, 2016, 8:19 am

(Oct 3, 2016 07:53 AM)Omniscient Wrote: [\[CITE\]](#) I'm not sure about the percentage but that does concern me. We have a lot of websites advertised by members that aren't SSL compatible. Even a signature by a high post count member with an image from a smaller domain without SSL may cause pages to not load for visitors with secure browser settings. I think that's unreasonably negative for the small benefit SSL will offer.

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1) I don't mean allowing Tor. I mean HackForums running an internal image proxy that exits through Tor.

2) The errors would be annoying, I agree.

Would you consider enabling the auto rewriting, keeping http default, but allowing HTTPS with rewriting on a trial basis?

Omniscient - October 3, 2016, 12:01 pm

Quote:Would you consider enabling the auto rewriting, keeping http default, but allowing HTTPS with rewriting on a trial basis?

I just enabled it. Does NOTHING. Breaks immediately because the CSS doesn't load with HTTPS. Their "auto rewrite" doesn't work for internal links apparently. So that's a huge flaw on their end.

HTTPS SUCKS. It's been a terrible protocol ever since it was created.

I'll leave it enabled for the rest of the day just in case the problem is the Cloudflare setting doesn't immediately work.

I loathe these damn HTTPS suggestions. ZERO ACCOUNTS STOLEN BY MiTM. There is no data here that's worth stealing like credit cards.

To honestly correctly run HTTPS I'd have to make vast changes to the site all just so some paranoid and clueless people can see some lock symbol on their browser. It's POINTLESS.

J?son - October 3, 2016, 12:10 pm

Tried to load HF with HTTPS and this happened. ?

[img]http://image.prntscr.com/image/7203931076c64951a832222be62ce9cc.png[/img]

Gary - October 3, 2016, 1:55 pm

(Oct 3, 2016 12:10 PM)Jas?n Wrote: [\[CITE\]](#) Tried to load HF with HTTPS and this happened. ?

[img]http://image.prntscr.com/image/7203931076c64951a832222be62ce9cc.png[/img]

Same

If you want a white HF theme do the https://

Deatives - October 3, 2016, 3:07 pm

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HTTPS is important is you view HackForums lets say at a coffeeshop. A stole password or session cookie is enough to let a bad Apple screw you over. I appreciate the time you spent looking into my request. You are correct in that almost everything on the site is public and not worth stealing. However how are you getting the "zero accounts stolen by mitm" how do you know that? And HTTPS also prevents a 3rd party from changing the look of a web page (I.e. injecting advertisements). Basically it protects your reputation :)

False King - October 3, 2016, 3:20 pm

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As does 2FA. Omni has been maintaining this forums for a long time, and HTTPS has been suggested a dozen of times. If there were accounts being stolen by MitM attacks, I'm sure he'd already had it fully enabled.

In the end, everyone is responsible for their own protection. If you're stupid enough to login at a public space without some additional security in place, that's just plain stupid. And the chances of that happening to a HF member, are very slim.

Gary - October 3, 2016, 3:25 pm

(Oct 3, 2016 03:20 PM)Minister of Lost Souls Wrote: [\[CITE\]](#) As does 2FA. Omni has been maintaining this forums for a long time, and HTTPS has been suggested a dozen of times. If there were accounts being stolen by MitM attacks, I'm sure he'd already had it fully enabled.

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i think you meant to say that's just plain stupid

False King - October 3, 2016, 3:38 pm

(Oct 3, 2016 03:25 PM)Gary. Wrote: [\[CITE\]](#) i think you meant to say that's just plain stupid
Sort of said that, just in a few more words.

I wish people would search the forums instead of starting this pointless discussion over and over.

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(Oct 3, 2016 03:38 PM)Minister of Lost Souls Wrote: [\[CITE\]](#) Sort of said that, just in a few more words.

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Sir if you direct your attention here on this screenshot

I was correcting you ? ?

False King - October 3, 2016, 3:43 pm

(Oct 3, 2016 03:41 PM)Gary. Wrote: [\[CITE\]](#) Sir if you direct your attention here on this screenshot

I was correcting you ? ?

Oh my, that's what happens when you browse HF on your mobile, autocorrect. Thanks for pointing it out, my man.

Gary - October 3, 2016, 5:06 pm

(Oct 3, 2016 03:43 PM)Minister of Lost Souls Wrote: [\[CITE\]](#) Oh my, that's what happens when you

browse HF on your mobile, autocorrect. Thanks for pointing it out, my man.

We are just making the market place a safer place for Billie Joe and grammar Nazis

hello omni in dat case i wud luv the award thx bby xoxo

Deatives - October 3, 2016, 7:01 pm

(Oct 3, 2016 03:20 PM)Minister of Lost Souls Wrote: [\[CITE\]](#) As does 2FA. Omni has been maintaining this forums for a long time, and HTTPS has been suggested a dozen of times. If there were accounts being stolen by MitM attacks, I'm sure he'd already had it fully enabled.

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Except CloudFlare blocks VPNs so you can't have any additional security :(

False King - October 4, 2016, 12:07 am

(Oct 3, 2016 07:01 PM)Deatives Wrote: [\[CITE\]](#) Except CloudFlare blocks VPNs so you can't have any additional security :(

I'm really starting to doubt your knowledge. CloudFlare far from blocks every VPN. Hell, there's a higher chance the HF firewall blocks the VPN. Even still, there are VPNs that can access HF.

You're making a problem out of nothing. HTTPS is not needed on HF. Search the forums, you're not a special little snowflake who suggested this for the first time. This subject has been discussed multiple times.

SumoWrestler - October 4, 2016, 2:08 am

Great replies, Omniscient. There is truly no need for HTTPS.

Codefuser - October 4, 2016, 2:52 am

(Oct 3, 2016 04:25 AM)Deatives Wrote: [\[CITE\]](#) The wrapper wouldn't be abusable. It'd just make everything go over HTTPS. Also every resource I've seen on the page links to hackforums.net (CSS, Images, JS, and the sort). It wouldn't be anything that could cause errors. I'd like to see HackForums grow to use the same technologies that other forums are using :)

Have you ever thought of the fact that a wrapper will result in the leaking of HF's backend IP and allow skids to DDoS?

Deatives - October 4, 2016, 5:24 am

(Oct 4, 2016 02:52 AM)Codefuser Wrote: [\[CITE\]](#) Have you ever thought of the fact that a wrapper will result in the leaking of HF's backend IP and allow skids to DDoS?

Just run the wrapper behind CloudFlare. Also I understand it may take more effort than I thought to get HackForums running on HTTPS. Not sure if he is going to do it at this point. I always run my sites (front and back end) on HTTPS but in the end it is Omni's decision on whether to enable HTTPS or not :/

Codefuser - October 4, 2016, 5:30 am

(Oct 4, 2016 05:24 AM)Deatives Wrote: [\[CITE\]](#) Just run the wrapper behind CloudFlare. Also I understand it may take more effort than I thought to get HackForums running on HTTPS. Not sure if he is going to do it at this point. I always run my sites (front and back end) on HTTPS but in the end it is Omni's decision on whether to enable HTTPS or not :/

CloudFlare doesn't allow you to send requests that way. The only way would be to use a remote server/bunch of proxies/get a custom service from (insert DDoS protection firm names) and I don't think any webmasters would do that.

If you want HTTPS that bad write an userscript to change all CSS etc link to https.

Deatives - *October 4, 2016, 7:23 am*

(Oct 4, 2016 05:30 AM)Codefuser Wrote: [\[CITE\]](#) CloudFlare doesn't allow you to send requests that way. The only way would be to use a remote server/bunch of proxies/get a custom service from (insert DDoS protection firm names) and I don't think any webmasters would do that. If you want HTTPS that bad write an userscript to change all CSS etc link to https. Meh I don't care that much. This was just a suggestion.

Omniscient - *October 4, 2016, 10:23 am*

You have your HTTPS now. Enjoy.