*Wikimedia Foundation v. NSA* No. 15-cv-0062-TSE (D. Md.)

# Plaintiff's Exhibit 36

The future of HTTPS on Wikimedia projects - Wikimedia Blog

### Case 1:15-cv-00662-TSE Document 168-40 Filed 12/18/18 Page 2 of 6



https://blog.wikimedia.org/2013/08/01/future-https-wikimedia-projects/

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5. Consider enabling perfect forward secrecy. Enabling perfect forward secrecy is only useful if we also eliminate the threat of traffic analysis of HTTPS, which can be used to detect a user's browsing activity, even when using HTTPS.

6. Consider doing a hard-enable of HTTPS. By hard-enable we mean force redirecting users from HTTP pages to the HTTPS versions of those pages. A number of countries, China being the largest example, completely block HTTPS to Wikimedia projects, so doing a hard-enable of HTTPS would probably block large numbers of users from accessing our projects at all. Because of this, we feel this action would probably do more harm than good, but we'll continue to evaluate our options here.

7. Consider enabling HTTP Strict Transport Security (HSTS) to protect against SSL-stripping man-in-themiddle attacks. Implementing HSTS could also lead to our projects being inaccessible for large numbers of users as it forces a browser to use HTTPS. If a country blocks HTTPS, then every user in the country that received an HSTS header would effectively be blocked from the projects.

Currently we don't have time frames associated with any change other than redirecting logged-in users to HTTPS, but we will be making time frames internally and will update this post at that point.

Until HTTPS is enabled by default, we urge privacy-conscious users to use HTTPS Everywhere or Tor [1].

Ryan Lane Operations Engineer, Wikimedia Foundation

[1]: There are restrictions with Tor; see Wikipedia's information on this.

# 50 Comments on The future of HTTPS on Wikimedia projects

zzo38 3 yea Can you ***PLEASE*** add another domain name that disables HTTPS? I want to opt-out of HTTPS and can no longer do so. Share	
peter 3 yea	urs
Are you kidding Wikimedia?	
"Consider doing a hard-enable of HTTPS. By hard-enable we mean force redirecting users from HTTP pages to the HTTPS versions of those pages. A number of countries, China being the largest example, completely block HTTPS to Wikimedia projects, so doing a hard-enable of HTTPS would probably block large numbers of users from accessing our projects at all. Because of this, we feel this action would probably do more harm than good, but we'll continue to evaluate our options here." Because Chinese government is raping the Internet in China you do not enable HTTPS as hard-enable? Are you getting payed from Chinese government? Are you technicians that stupid? What is the reason to not hard-enable it? Because other people are doing bad things you do not the good? WTF?	
John Gilmore 4 yea	irs
Isn't it interesting how the Chinese government and NSA BOTH spy on users of Wikipedia?	
I think Chinese users of Wikipedia should blame their government not Wikipedia for any problems	
that result from Wikipedia moving to encrypt more and more of their service. Wikipedia is solving a	

DECEMBER 2017 NOVEMBER 2017 OCTOBER 2017 OLDER POSTS 26

#### WORK AT WIKIMEDIA

Work with the foundation that supports W and its sister projects around the world. A and join us

https://blog.wikimedia.org/2013/08/01/future-https-wikimedia-projects/

problem. The Chinese government is creating one

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JS citizens actively fought the US government's ban on encryption — and won, a	
Chinese citizens, it's your turn to fix your own government now. The rest of the w	ona can i ao ii tor you.
Share	
KoshVorlon	4 years
* FOR ALL THOSE THAT WANT TO FLAME THE DEVS OVER THIS *	
Yes – this change breaks Mozilla – it's already known. .E and Chrome still handles the change over fine.	
You may need to switch over if your a firefox user (as I am ).	
Flaming the devs won't get this fixed faster.	
Share	
Ryan Lane	4 years
Ne have plans on testing SPDY after anonymous users are switched to HTTPS.	
Share	
_eim	4 years
Mill SPDY be next ?	
Share	
Ryan Lane	4 years
There wasn't any claim that adding HTTPS would completely alleviate our woes i a first step towards the goal.	in this regard. This is only
Share	
Seb35	4 years
want just to point that the History of cryptography should teach us to never over	-
nave advanced techniques to cryptanalyse or decipher our message with some n	neans (see the period
where the cipher was the secret, or Enigma, Purple, recent attacks on TLS; even proken if the key is not truly random). In this sense I find we should not claim "our	
and TLS is not a false sense of security" but "to the best of our knowledge, acces hrough TLS is secure regarding most of the currently known attacks".	
Share	
villam gomes	5 years
éu gosto de asistir é irado	
Share	
	5 years

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Ranyv,	
Chinese people ≠ people in China.	
Share	
Int21h	5 year
Leave the Zhongwen Wikipedia behind. Let them keep their HTTP.	
Advance the rest of the world into the 20th Century.	
Share	
300aq300aq	5 year
坚决支持!!!!!!!!	
Share	
qa003qa003	5 year
坚决反对!!!!!!!!	
Share	
Ryan Lane So, HTTPS forces them to do traffic analysis, which makes their lives quite a bit harder. So, it	
	's not a false ely help this
So, HTTPS forces them to do traffic analysis, which makes their lives quite a bit harder. So, it sense of security, but isn't by itself a complete solution. As mentioned, newer protocols will lik situation, but we'll also be putting effort into making traffic analysis more difficult for our traffic priority, of course, is moving people to HTTPS.	's not a false ely help this Our first
So, HTTPS forces them to do traffic analysis, which makes their lives quite a bit harder. So, it sense of security, but isn't by itself a complete solution. As mentioned, newer protocols will lik situation, but we'll also be putting effort into making traffic analysis more difficult for our traffic. priority, of course, is moving people to HTTPS. Share Ciara Hoyle	's not a false ely help this
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	Walter Grassroot@zhwiki	5 years
	As a 5-year Wikipedia editor, I appreciate for WMF's efforts on every promotion, including security protection. However, this attempt of moving to HTTPS on Wikimedia projects will completely dest. Chinese community to reach all the Wikimedia programs, not only Zh-wikipedia. Since 2008, our of Wikipedia has suffered governmental blocks for different reasons. Although we could access the I early 2013, the government still blocked this method to reach Wikipedia immediately, when we recommended this in public. Many Wikipedia-unfriendly governments would learn and act same a Chinese Government on internet control – which means, if WMF act HTTPS on whole Wikimedia more editors will suffered the block reflection in the world. In general, this action would setup all the Wikipedians in the opposite side of the governments. Thank you.	roy the Chinese HTTPS s the projects,
	Share	
~	Jsjsjs1111	5 years
	Even if this "feature" is brought into practice, I would still strongly recommend you not to enable it Chinese Wikipedia (zh), as for the reason that Quark stated. You are free to enable it elsewhere.	on
	Share	
	Ryan Lane	5 years
	Matt: China blocks Wikimedia projects on HTTPS currently, yes.	

MORE COMMENTS

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Comments are closed.

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WIKIDATA	WIKINEWS	WIKIQUOTE	WIKISOURCE			
WIKISPECIES	WIKIVERSITY	WIKIVOYAGE	WIKTIONARY	WIKIMEDIA CHAPTERS	THEMATIC ORGANIZATIONS	WIKIMEDIA USER GROUPS

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