Impact of Google SPDY proxy

2013/08/29
SoftBank Telecom America
Masato Yamanishi

SoftBank

What's this?

One day, my colleague using chrome (not beta) on Android saw this popup

Is this opt-in? What's this?

Saving bandwidth by sending / receiving date with optimized method

Reducing waiting time

You will be warned about phishing or virus- containing site by Chrome's safe browsing technology

Enable it !!

It is a invitation for SPDY proxy trial !!

https://developers.google.com/chrome/mobile/docs/data-compression says;

 The latest Chrome browsers for Android and iOS can reduce cellular data usage and speed up mobile web browsing by using proxy servers hosted at Google to optimize website content. In our internal testing, this feature has been shown to reduce data usage by 50% and speed up page load times on cellular networks! To enable it, visit "Settings > Bandwidth Management > Reduce data usage" and toggle the option – easy as that.

Note: The data compression feature is currently available to a subset of Android and iOS users - if you don't see the option, stay tuned, as we are rolling out the feature over the coming months. If you can't wait, you can install Chrome Beta for Android and enable the data compression feature right away.

SoftBank

SPDY proxy is another proxy
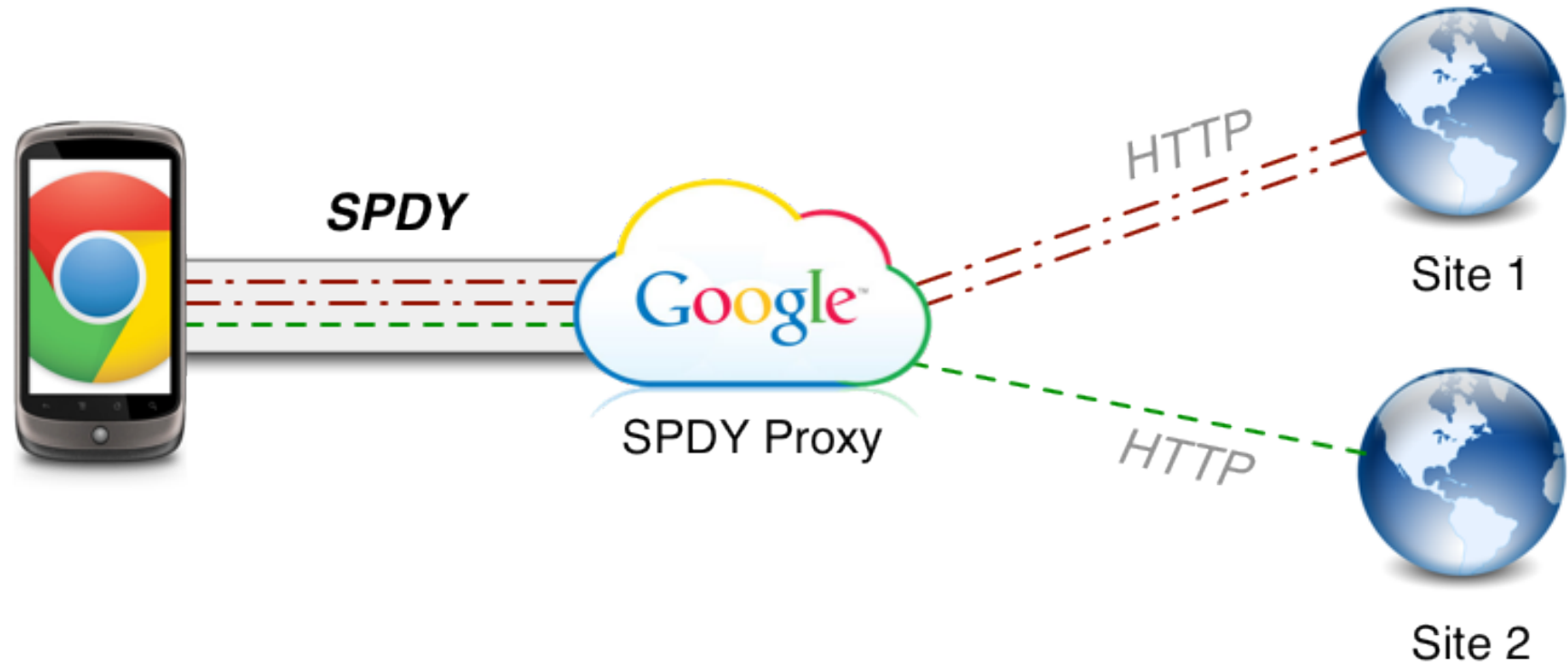
All http traffic go through Google's SPDY proxy if enabled

SoftBank

Concerns

1. Since the invitation doesn't explain details and it is not so clear how to skip it, users may accept it without understanding it is a proxy
    - Users may claim to network operators even when Google's SPDY proxy has a problem

2. It will change traffic flow drastically
    - Increasing inbound traffic from Google (to end users)
    - Increasing outbound traffic to Google (from other CSPs and ASPs)

3. Source IP cannot be used for geo-location or access analysis

4. It may bypass your value added services, like parental control or security services

End of presentation

SoftBank