

Exhibit 43

From: [REDACTED]
To: Jen Chai [REDACTED]
Sent: Fri, 17 Nov 2017 23:35:50 +0000
Subject: Re: Scanning Settings - Invitation to edit
Cc: [REDACTED]

Yes, I have a feeling next week is going to be super productive :-).
[REDACTED]

On Fri, Nov 17, 2017 at 3:21 PM Jen Chai [REDACTED] wrote:

[REDACTED] as FYI

Thanks [REDACTED]

Are you available on Monday at 12 noon to re-review this with our PWG/ Legal?

Thanks!

Jen

On Fri, Nov 17, 2017 at 12:15 PM, [REDACTED] wrote:

Hi Jen,

[REDACTED]

Thanks,
[REDACTED]

On Fri, Nov 17, 2017 at 9:15 AM, Jen Chai [REDACTED] wrote:

Thanks [REDACTED]

[REDACTED]



Thanks!
Jen

On Fri, Nov 17, 2017 at 4:58 AM, [REDACTED] wrote:

[REDACTED]

[REDACTED]

[REDACTED]

Thanks,

[REDACTED]

On Wed, Nov 15, 2017 at 2:48 PM, Jen Chai [REDACTED] wrote:

I see. So at least for O, to get the results of a scan - device location must be ON and the app must have location permission?

On Wed, Nov 15, 2017 at 12:53 PM, [REDACTED] wrote:

correct - the app can trigger scans even if it can't get the results. we protect the results it is a bit long, but the relevant part is:

[REDACTED]

[REDACTED]

[REDACTED]

On Wed, Nov 15, 2017 at 11:49 AM, Jen Chai [REDACTED] wrote:

Thank you!
Just to make sure I understand -- today, regardless of [REDACTED] any app
(system or 3P) can [REDACTED]
[REDACTED] Is that correct?

However, you mentioned that getting the results of that scan is based on app permissions - what
permissions? app-level location permission?

Thanks!
Jen

On Wed, Nov 15, 2017 at 11:34 AM, [REDACTED] wrote:

just double checked - [REDACTED]
[REDACTED]

[REDACTED] Only system apps can request wifi scans?
i believe scan requests will be honored - need to confirm

[REDACTED]

[REDACTED] Only system apps can request wifi scans;
however, location doesn't request any wifi scans
no scans will be done - need to confirm

[REDACTED] I also think [REDACTED]

no problem!

[REDACTED]

On Wed, Nov 15, 2017 at 10:21 AM, Jen Chai [REDACTED] wrote:

Thanks [REDACTED]

Just following up on these two states:

Location ON, Wifi Scanning ON, Wifi OFF: Only system apps can request wifi scans?

i believe scan requests will be honored - need to confirm

Location OFF, Wifi Scanning ON, Wifi OFF: Only system apps can request wifi scans; however, location doesn't request any wifi scans

no scans will be done - need to confirm

Can you confirm whether scanning is available to no one, only system apps, or 3P apps?

Thank you!

Jen

On Sun, Nov 5, 2017 at 9:42 PM, [REDACTED] wrote:

Let's see if I can fill in the blanks - but, admittedly, there is a bit of a mess that we are working to clear up.

On Thu, Nov 2, 2017 at 2:34 PM, Jen Chai [REDACTED] wrote:

I think it would help just to understand what happens today in the 2^3 options for location toggle, scanning toggle, and connectivity toggle:

(system apps and 3p apps are pretty much equivalent. there is a path for scan requests that location uses, but that is not available in general (requires the permission: `android.Manifest.permission.LOCATION_HARDWARE`)

Location ON, Wifi Scanning ON, Wifi ON: System apps and 3P apps can request wifi scans

yep

Location ON, Wifi Scanning ON, Wifi OFF: Only system apps can request wifi scans?

i believe scan requests will be honored - need to confirm

Location ON, Wifi Scanning OFF, Wifi ON: Since wifi is on, System apps and 3P apps can request wifi scans

yep

Location ON, Wifi Scanning OFF, Wifi OFF: No wifi scans by anyone

correct

Location OFF, Wifi Scanning ON, Wifi ON: System apps and 3P apps can request wifi scans, location doesn't request any wifi scans

correct - but only bc wifi is on

Location OFF, Wifi Scanning ON, Wifi OFF: Only system apps can request wifi scans; however, location doesn't request any wifi scans

no scans will be done - need to confirm

Location OFF, Wifi Scanning OFF, Wifi ON: Since wifi is on, System apps and 3P apps can request wifi scans, location doesn't request any wifi scans

correct

Location OFF, Wifi Scanning OFF, Wifi OFF: No wifi scans by anyone

correct



Took a stab at what happens, but likely wrong...

Jen

On Thu, Nov 2, 2017 at 6:18 AM, [REDACTED] wrote:

I agree, it would be good to confirm this.

[REDACTED]

[REDACTED]

Thanks,

On Wed, Nov 1, 2017 at 7:48 PM, [REDACTED] wrote:

What happens if the toggle is OFF but WiFi for connectivity/networking purposes is enabled? From the thread, I assume that 3rd-party wifi scanning would be disabled. That's understood but not explicitly stated below.

On Wed, Nov 1, 2017 at 6:07 PM, Jen Chai [REDACTED] wrote:

[REDACTED]
Thanks [REDACTED]

[REDACTED] - can you please confirm what [REDACTED] is stating below?

From our previous thread, my understanding of how it works today is if Device Location is OFF, but Wifi Scanning (under Location Settings) is ON, then although Location doesn't request any wifi scans, other system apps CAN get wifi scans (and possibly 3P apps that target SDK 22 and below).

Thanks,
Jen

On Wed, Nov 1, 2017 at 5:57 PM, [REDACTED] wrote:

Hey folks,
Following up from our yesterday's call - I discussed this issue with both [REDACTED]
and [REDACTED] and here is tldr:

[REDACTED]

[REDACTED]

Details:

There is no other service using wifi scanning other than location.

[REDACTED]

[REDACTED]

thanks,

[REDACTED]

On Sun, Oct 29, 2017 at 9:55 PM [REDACTED] wrote:

[REDACTED]

thanks,

[REDACTED]

On Sun, Oct 22, 2017 at 10:05 PM, [REDACTED] > wrote:

[REDACTED]

[REDACTED]

On Mon, Oct 23, 2017, 8:00 AM [REDACTED] > wrote:

[REDACTED]

[REDACTED]

[REDACTED]

On Fri, Oct 13, 2017 at 2:26 AM [REDACTED] wrote:

[REDACTED]

[REDACTED]

On Thu, Oct 12, 2017 at 7:57 PM [REDACTED] wrote:

Decided to change [REDACTED] to make it broader to device experience.

We will still keep the [REDACTED] under security.

Lastly we need to a [REDACTED] for [REDACTED]..

On Oct 12, 2017 6:50 PM, [REDACTED] wrote:

hi [REDACTED], just checking in here, how's did the meeting with privacy team go?

Thanks,

[REDACTED]

On Sep 29, 2017 02:02, [REDACTED] wrote:

got it, thanks for driving this [REDACTED]!

[REDACTED]

On Fri, Sep 29, 2017 at 12:06 AM, [REDACTED] wrote:

[REDACTED] has invited you to edit the following presentation:

Scanning Settings

Jen [REDACTED]

Here is deck for our chat around BT/WiFi Scans.

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[REDACTED]

[REDACTED]