

## EXHIBIT 103

UNREDACTED VERSION OF DOCUMENT SOUGHT TO BE LODGED UNDER SEAL

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**From:** Eddie O'Neil </O=THEFACEBOOK/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=EDDIE ONEIL>  
**Sent:** Thursday, February 12, 2015 6:17 PM  
**To:** Konstantinos Papamiltiadis; Simon Cross; Peter Martinazzi; Peter Kang; Ronen Pinko; Nikhil Bobde; Eugene Zarakhovsky; Sean Heywood; Bryan Hurren; Raymond Endres; Jon Perlow; Lenn Pryor; Mike Winters  
**Cc:** Monica Tsang; Harshdeep Singh; Dhiren Patel; Shie Erlich; David Lim; Kian Park  
**Subject:** Re: XMPP Privatization on April 30th

I'm comfortable giving Skype a brief extension on this assuming they understand that we are firm on the end date.

Eddie

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**From:** Konstantinos Papamiltiadis <kpapamiltiadis@fb.com>  
**Date:** Thursday, February 12, 2015 at 1:26 PM  
**To:** Simon Cross <si@fb.com>, Peter Martinazzi <pmartinazzi@fb.com>, Peter Kang <pkang@fb.com>, Ronen Pinko <Ronen@fb.com>, Nikhil Bobde <nbobde@fb.com>, Eugene Zarakhovsky <eugenez@fb.com>, Sean Heywood <seanheywood@fb.com>, Bryan Hurren <bryanhurren@fb.com>, Raymond Endres <raymonde@fb.com>, Jon Perlow <jdperlow@fb.com>, Lenn Pryor <lennpryor@fb.com>, Mike Winters <mikewinters@fb.com>  
**Cc:** Eddie O'Neil <ekoneil@fb.com>, Monica Tsang <motsang@fb.com>, Harshdeep Singh <harshdeeps@fb.com>, Dhiren Patel <dhiren@fb.com>, Shie Erlich <shie@fb.com>, David Lim <dlim@fb.com>, Kian Park <kian@fb.com>  
**Subject:** Re: XMPP Privatization on April 30th

I had a chat with Peter on Messenger about this, but I want to understand if the group has any concerns giving an extension to Skype for XMPP beyond 04.30.

My recommendation would be to do so for a short period of time, i.e. until the end of May to avoid having other partners like Yahoo! or AOL complaining about unfair treatment. Skype advised us that due to their migration to Graph API v2.x and the deprecation of read\_stream, they need to make a considerable amount of changes in their Apps during the next few weeks that won't give them enough time to make all the changes on time.

Thoughts/comments?

kp

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**From:** Simon Cross <si@fb.com>  
**Date:** Wednesday, January 21, 2015 at 1:12 AM  
**To:** Peter Martinazzi <pmartinazzi@fb.com>, Peter Kang <pkang@fb.com>, Konstantinos Papamiltiadis <kpapamiltiadis@fb.com>, Ronen Pinko <Ronen@fb.com>, Nikhil Bobde <nbobde@fb.com>, Eugene Zarakhovsky <eugenez@fb.com>, Sean Heywood <seanheywood@fb.com>, Bryan Hurren <bryanhurren@fb.com>, Raymond Endres <raymonde@fb.com>, Jon Perlow <jdperlow@fb.com>, Lenn Pryor <lennpryor@fb.com>, Mike Winters <mikewinters@fb.com>  
**Cc:** Eddie O'Neil <ekoneil@fb.com>, Monica Tsang <motsang@fb.com>, Harshdeep Singh <harshdeeps@fb.com>, Dhiren Patel <dhiren@fb.com>, Shie Erlich <shie@fb.com>, David Lim <dlim@fb.com>, Kian Park <kian@fb.com>  
**Subject:** Re: XMPP Privatization on April 30th

Ah, thanks for the heads up.

They likely received one of our general API v2.x migration emails/dev alerts – there are other parts of the migration they need to know about, so its hard to exclude them from our general messaging.

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**From:** Peter Martinazzi

**Date:** Tuesday, January 20, 2015 at 10:21 AM

**To:** Peter Kang, Konstantinos Papamiltiadis, Ronen Pinko, Nikhil Bobde, Simon Cross, Eugene Zarakhovsky, Sean Heywood, Bryan Hurren, Raymond Endres, Jon Perlow, Lenn Pryor, Mike Winters

**Cc:** Eddie O'Neil, Monica Tsang, Harshdeep Singh, Dhiren Patel, Shie Erlich, David Lim, Kian Park

**Subject:** Re: XMPP Privatization on April 30th

+ Raymond/Jon/Lenn/Mike

Sounds like we still sent the deprecation email to the BB app, not sure if this is expected or not, but could cause some confusion since I see it on the whitelist below.

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**From:** Peter Kang <[pkang@fb.com](mailto:pkang@fb.com)>

**Date:** Friday, January 9, 2015 at 9:24 AM

**To:** Konstantinos Papamiltiadis <[kpapamiltiadis@fb.com](mailto:kpapamiltiadis@fb.com)>, Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>, Simon Cross <[si@fb.com](mailto:si@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>, Eugene Zarakhovsky <[eugenez@fb.com](mailto:eugenez@fb.com)>, Sean Heywood <[seanheywood@fb.com](mailto:seanheywood@fb.com)>, Bryan Hurren <[bryanhurren@fb.com](mailto:bryanhurren@fb.com)>

**Cc:** Eddie O'Neil <[ekoneil@fb.com](mailto:ekoneil@fb.com)>, Monica Tsang <[motsang@fb.com](mailto:motsang@fb.com)>, Harshdeep Singh <[harshdeeps@fb.com](mailto:harshdeeps@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>, David Lim <[dlim@fb.com](mailto:dlim@fb.com)>, Kian Park <[kian@fb.com](mailto:kian@fb.com)>

**Subject:** Re: XMPP Privatization on April 30th

+ Mobile PE.

Sounds good on our side as well. The one we may want to add continued support for XMPP is a USSD solution for XL In Indonesia. App ID is 195780757116944. David Lim has more info if needed.

Peter

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**From:** Konstantinos Papamiltiadis <[kpapamiltiadis@fb.com](mailto:kpapamiltiadis@fb.com)>

**Date:** Monday, January 5, 2015 at 10:26 AM

**To:** Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>, Simon Cross <[si@fb.com](mailto:si@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>, Eugene Zarakhovsky <[eugenez@fb.com](mailto:eugenez@fb.com)>, Sean Heywood <[seanheywood@fb.com](mailto:seanheywood@fb.com)>, Bryan Hurren <[bryanhurren@fb.com](mailto:bryanhurren@fb.com)>

**Cc:** Eddie O'Neil <[ekoneil@fb.com](mailto:ekoneil@fb.com)>, Monica Tsang <[motsang@fb.com](mailto:motsang@fb.com)>, Harshdeep Singh <[harshdeeps@fb.com](mailto:harshdeeps@fb.com)>, Facebook <[pkang@fb.com](mailto:pkang@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Subject:** Re: XMPP Privatization on April 30th

+ Sean and Bryan as fyi

Hello Simon,

The proposed approach is fine by me! Two minor things:

1/ I am happy to look back at the legal docs to confirm if we have any contractual notice periods longer than 12months with any of the 3rd parties listed below

2/ I'd rather product partnerships sends the alert to managed partners like MSFT/Skype etc that we have not talked to already about this (AOL) Vs getting this delivered as a Dev Alert to admins of the app

Thanks a lot,  
kp

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**From:** Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>  
**Date:** Monday, January 5, 2015 at 5:58 PM  
**To:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>, Simon Cross <[si@fb.com](mailto:si@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>, Eugene Zarakhovsky <[eugenez@fb.com](mailto:eugenez@fb.com)>, Konstantinos Papamiltiadis <[kpapamiltiadis@fb.com](mailto:kpapamiltiadis@fb.com)>  
**Cc:** Eddie O'Neil <[ekoneil@fb.com](mailto:ekoneil@fb.com)>, Monica Tsang <[motsang@fb.com](mailto:motsang@fb.com)>, Harshdeep Singh <[harshdeeps@fb.com](mailto:harshdeeps@fb.com)>, Peter Kang <[pkang@fb.com](mailto:pkang@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>  
**Subject:** Re: XMPP Privatization on April 30th

One important thing about whitelisting the "Facebook Chat" application -  
<https://our.intern.facebook.com/intern/id2/473707746037475/>  
This is an internal app that is used as a "proxy" app for plain password login, i.e. Some chat clients (e.g. Pidgin) can prompt with user + password to gain access to our chat infra.  
Given the effort to keep applications that match a certain criteria, the plain password authentication scheme is an easy breach, as we can not (reliably) identify client applications using this scheme.  
We shouldn't whitelist the plain password app, correct me if I'm wrong.

Ronen

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**From:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>  
**Date:** Monday, January 5, 2015 at 9:27 AM  
**To:** Simon Cross <[si@fb.com](mailto:si@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>, Ronen Pinko <[ronen@fb.com](mailto:ronen@fb.com)>, Eugene Zarakhovsky <[eugenez@fb.com](mailto:eugenez@fb.com)>, Konstantinos Papamiltiadis <[kpapamiltiadis@fb.com](mailto:kpapamiltiadis@fb.com)>  
**Cc:** Eddie O'Neil <[ekoneil@fb.com](mailto:ekoneil@fb.com)>, Monica Tsang <[motsang@fb.com](mailto:motsang@fb.com)>, Harshdeep Singh <[harshdeeps@fb.com](mailto:harshdeeps@fb.com)>, Peter Kang <[pkang@fb.com](mailto:pkang@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>  
**Subject:** Re: XMPP Privatization on April 30th

We may have to add a few more apps to the white list below to account for a new initiative with the pages team. Shie can provide more details.

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**From:** Simon Cross <[si@fb.com](mailto:si@fb.com)>  
**Date:** Monday, January 5, 2015 at 9:24 AM  
**To:** Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>, Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Eugene Zarakhovsky <[eugenez@fb.com](mailto:eugenez@fb.com)>, Konstantinos Papamiltiadis <[kpapamiltiadis@fb.com](mailto:kpapamiltiadis@fb.com)>  
**Cc:** Eddie O'Neil <[ekoneil@fb.com](mailto:ekoneil@fb.com)>, Monica Tsang <[motsang@fb.com](mailto:motsang@fb.com)>, Harshdeep Singh <[harshdeeps@fb.com](mailto:harshdeeps@fb.com)>, Peter Kang <[pkang@fb.com](mailto:pkang@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>  
**Subject:** Re: XMPP Privatization on April 30th

Hey folks – I wanted to circle back on this thread – apologies its taken a lot longer than expected.

TL;dr: we think we should whitelist just 9 apps for the XMPP API, and let the rest go dark on April 30th.

As a reminder, the XMPP API gives apps read/write access into Facebook Messages as well as access to the full friendlist and online presence.

Ronen pulled data on the apps making use of the XMPP API, and we've canvassed opinion from a few folks (especially Peter's context below). I've summarized all the info and data here: <https://quip.com/AijXAHg8t7tR>

There are 9 Facebook-branded clients on the list – the rest are chat aggregators which we no longer want to have access to the Messenger API.

The apps I think we retain are: BlackBerry Smartphones App, Facebook for Android, Facebook Chat, Facebook for USSD, Facebook for iPhone, BlackBerry PlayBook tablet app, Messenger for BlackBerry 10, Facebook for iPad, Facebook for USSD

This means the following apps are among those who will lose access to the XMPP API on April 30th:

- Microsoft (Windows Live Messenger)
- Skype
- Rounds
- Garena
- Nimbuzz Mobile
- ooVoo
- Go!Chat
- Trillian
- Adium
- Etc

Next steps:

1/ does this group agree with this plan? I'd like to lock it by the end of the week if not sooner. If you'd like to suggest changes, please shout now. I'll assume silence as tacit approval.

2/ check we're not bound by notice periods in contracts with any of the folks who're losing access – we shouldn't be since we announced the deprecation on April 30th 2014, but we should double check. KP and Peter – can you take the lead here?

3/ we need to send developer alerts to the affected apps. There's potential for blowback here as we're clearly refocusing on our own clients, and affecting other folk's business in the process. I'd like to send these next week (w/c 12th Jan). I'll work with PMM and PR on proactive and reactive messaging.

4/ We need to whitelist the relevant apps and test they'll still function correctly after April 30th. Again, I'll work with Ronen + Harsh and his team to implement this.

Peter, Eugene, KP, Ronen –let me know if you'd like to suggest changes to this approach.

Thanks guys,

Simon

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**From:** Peter Martinazzi

**Date:** Wednesday, October 22, 2014 at 11:58 AM

**To:** Nikhil Bobde, Dhiren Patel, Simon Cross, Ronen Pinko, Shie Erlich

**Subject:** Re: XMPP Privatization

Basically, the answer should be No to almost everything. I think the only exceptions should be Messenger clients other companies make for us (ie.. Messenger for Windows Phone, Messenger for BB, Messenger for Other device I've never heard of, etc...). For example, shouldn't be in any aggregator apps (like adium) or in any Facebook clients (like Facebook for Windows Phone)

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**From:** Nikhil Bobde <nbobde@fb.com>

**Date:** Wednesday, October 22, 2014 at 11:54 AM

**To:** Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Simon Cross <[si@fb.com](mailto:si@fb.com)>, Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Cc:** Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>

**Subject:** Re: XMPP Privatization

Thx.

@Peter – any criteria from the product side that you think we should apply to keep supporting certain customers. My preference would be have as few exceptions as possible. From what I remember 90% of the XMPP messaging traffic is coming from just 2 or 3 vendors.

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**From:** Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>

**Date:** Wednesday, October 22, 2014 at 11:49 AM

**To:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>, Simon Cross <[si@fb.com](mailto:si@fb.com)>, Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Cc:** Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>

**Subject:** Re: XMPP Privatization

There shouldn't be any; we've done this kind of stuff before.

Cheers,

Dhiren

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**From:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>

**Date:** Wednesday, October 22, 2014 at 10:49 AM

**To:** Simon Cross <[si@fb.com](mailto:si@fb.com)>, Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Cc:** Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>

**Subject:** Re: XMPP Privatization

Ping :)

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**From:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>

**Date:** Monday, October 20, 2014 at 2:59 PM

**To:** Simon Cross <[si@fb.com](mailto:si@fb.com)>, Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Cc:** Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>

**Subject:** Re: XMPP Privatization

Are there any legal implications if we whitelist some apps and not the others? Just checking.

---

**From:** Simon Cross <[si@fb.com](mailto:si@fb.com)>

**Date:** Monday, October 20, 2014 at 2:56 PM

**To:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>, Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Cc:** Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>

**Subject:** Re: XMPP Privatization

Before f8 2014, any app could rock up to our self-service developer site, code against the XMPP api and ship that product to people.

At f8 we announce the public deprecation of the XMPP API. Apps created after f8 could not use it, but those created before f8 have until April 30th 2015 – after that date, the XMPP API will no longer be publicly available.

There are >200 apps using this API today. We need to determine who, if any, we want to continue having access to this API post April 30th 2015. As part of this we need to decide how we'd judge future requests to have access to this API.

For example, we need to know the answer to the question: do we want Adium, iChat, eBuddy etc to be able to have programmatic access to Facebook Messages?

If yes, we need to whitelist them, If not, we need to decide if theres ANY current user that we'd say yes to.

S

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**From:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>  
**Date:** Monday, October 20, 2014 at 2:47 PM  
**To:** Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>  
**Cc:** Simon Cross <[si@fb.com](mailto:si@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>  
**Subject:** Re: XMPP Privatization

I don't fully understand the term "whitelist" in the context of deprecation. I am guessing that we are not allowing any applications beyond this point. So, is this for existing apps?

Could you please elaborate.

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**From:** Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>  
**Date:** Monday, October 20, 2014 at 2:37 PM  
**To:** Nikhil Bobde <[nbobde@fb.com](mailto:nbobde@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>  
**Cc:** Simon Cross <[si@fb.com](mailto:si@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>  
**Subject:** Re: XMPP Privatization

Nikhil, Shie

We're looking for who on growth/messaging can own the decision to which apps we're going to whitelist for XMPP.

Context: <https://www.facebook.com/groups/chirpbugs/permalink/670387093009909/>

The rationale for the privatization is as follows (reiterating Simon's explanation):

1. We don't want to give regular developers the ability to send and receive private FB messages - all the other API methods to read and write to the inbox are tightly controlled, but the XMPP API was a hole. The significance of this issue increased when we moved folks over to the messenger app where each msg results in a push notif.
2. in v2.0 and above, we only grant apps access to the subset of a

Person's friends who also use the app. To give XMPP clients a useful service (allowing you to message any friend) we'd have to break this paradigm - which is not something we want to do en masse.

3. with FB Messenger, strategically we're moving to a world where we don't want FB messages aggregated with other messaging providers except in a few cases by companies who we trust/value - e.g. Building FB messaging into Apple iChat. For those folks, we can still provide XMPP via a whitelist.

FB's strategic position is enhanced by offering XMPP access to FB messages as a broad self-service developer product.

The deprecation has already been announced to developers (at f8 on April 30th) and we took this decision along with a broader set of platform simplification and reduction efforts to improve user trust, and ensure our public API surface area is more aligned with FB's overall strategy.

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**From:** Raymond Endres <[raymonde@fb.com](mailto:raymonde@fb.com)>

**Date:** Tuesday, October 21, 2014 at 12:14 AM

**To:** Ronen Pinko <[ronen@fb.com](mailto:ronen@fb.com)>

**Cc:** Simon Cross <[si@fb.com](mailto:si@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Subject:** Re: XMPP Privatization

I'm not up to speed on details. Have you talked to Nikhil on who should be involved?

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**From:** Ronen Pinko <[Ronen@fb.com](mailto:Ronen@fb.com)>

**Date:** Monday, October 20, 2014 at 2:03 PM

**To:** Raymond Endres <[raymonde@fb.com](mailto:raymonde@fb.com)>

**Cc:** Simon Cross <[si@fb.com](mailto:si@fb.com)>, Dhiren Patel <[dhiren@fb.com](mailto:dhiren@fb.com)>, Peter Martinazzi <[pmartinazzi@fb.com](mailto:pmartinazzi@fb.com)>, Shie Erlich <[shie@fb.com](mailto:shie@fb.com)>

**Subject:** XMPP Privatization

Hi Raymond

I assume you are know about the XMPP privatization that will take effect on April 30, 2015.

Simon, Dhiren and I met today to start forming the criteria that we'll use for whitelisting existing XMPP clients (apps).

We're looking for the authority on the messaging team that will be able to approve the criteria and whitelist.



Who are the people we should work with?

Thanks

Ronen