

## EXHIBIT 117

UNREDACTED VERSION OF DOCUMENT SOUGHT TO BE LODGED UNDER SEAL

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**From:** Ilya Sukhar </O=THEFACEBOOK/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=ILYAS8A7>  
**Sent:** Monday, August 05, 2013 8:33 PM  
**To:** Kevin Lacker; Ilya Sukhar  
**Subject:** Message summary [mid.1369073044867:1a7606a15dc8a83265]

Kevin Lacker:

>btw vlad said one current goal of the api team is to turn off friends-birthdays permission

Kevin Lacker:

>which to me seems like a mistake

Kevin Lacker:

>nobody really feels invaded when your friend shares when your birthday is

Kevin Lacker:

>and it's just another random breaking

Kevin Lacker:

>if you do end up PMing the api team

Kevin Lacker:

>then, you should use your power to not break the friends-birthdays api

Kevin Lacker:

>if PMing the api team would not entail that kind of power over what the api does, then, well it might be a job that has responsibility for the api sucking but does not have the authority to fix it

Kevin Lacker:

>FWIW vlad was very reluctant to tell me what the api team was working on, probably because he knew i would be against it

Ilya Sukhar:

>The friends API is getting totally fucked

Ilya Sukhar:

>We should talk about it. I have a proposal to at least make it less painful

Kevin Lacker:

>interesting

Kevin Lacker:

>yeah I can't decide whether I want to engage with the graph API or leave it for dead

Ilya Sukhar:

>They are making it so that apps can't see any of your friends that aren't also on the app. Everyone's invitation flow is dead man walking.

Kevin Lacker:

>yeah it sounds fucked and like developers will hate us

Ilya Sukhar:

>Funny that Vlad won't even tell you

Ilya Sukhar:

>They seem focused on custom Apis for partners right now

Kevin Lacker:

>what sort of custom API

Kevin Lacker:

>well vlad wants me to encourage you to do API pmming

Ilya Sukhar:

>Like a real time stream of updates so espn can show fb updates next to tweets

Kevin Lacker:

>it sounds like developers would be dumb to use any product built by the API team

Ilya Sukhar:

>Yeah

Kevin Lacker:

>it annoys me that this stuff is considered pm stuff rather than em stuff

Kevin Lacker:

>I feel like it leads to quality issues being downgraded

Kevin Lacker:

>or maybe it's just that people don't really put "quality of the API" as a goal that gets attention

Kevin Lacker:

>rather than em vs pm. It's not like harsh has some great strategy here

Ilya Sukhar:

>yeah

Ilya Sukhar:

>it's hard to tell

Kevin Lacker:

>so the api team seems like it's in a tough position

Kevin Lacker:

>i find it hard to imagine any product direction that ends up being a net positive

Kevin Lacker:

>i feel like the main product goal should be "don't break things"

Kevin Lacker:

>which is pretty not-aligned with their current set of goals

Kevin Lacker:

>but, at least for me personally i can't fight everything at once

Kevin Lacker:

>I was thinking of a strategy more like, when they bail out a bank and separate its loans into performing and non-performing

Kevin Lacker:

>make the "good bank" which continues to exist and the "bad bank" which gets mauled by some government process and generally produces no future value

Kevin Lacker:

>the mobile sdk is the "good bank"

Kevin Lacker:

>the graph api is the "bad bank"

Kevin Lacker:

>not really clear to me where login falls

Kevin Lacker:

>but, the whole deprecating of friends APIs and encouraging some tweet-search-stream api, all of that seems like it's doing more of the same inventing things that maybe we can't maintain

Kevin Lacker:

>who knows if in one year, the data from a hash tag stream will be considered strategically too valuable to share

Ilya Sukhar:

>i don't think the mobile sdk is any different in that view of things

Ilya Sukhar:

>but yeah i agree

Ilya Sukhar:

>i was just talking to doug

Ilya Sukhar:

>and bringing up the breakage

Ilya Sukhar:

>and he was encouraging me to think about it as either a bunch of small cuts or one big one

Ilya Sukhar:

>and said you should consider whether we want to just do one big one

Kevin Lacker:

>the functionality in the mobile sdk that is not tied to the graph api is a lot better in terms of breakage

Ilya Sukhar:

>well

Ilya Sukhar:

>i think you're thinking too much about individual apis

Ilya Sukhar:

>and not enough about the contract with devs

Ilya Sukhar:

>they are just ratcheting down the openness of the platform

Ilya Sukhar:

>and all these things are small tactics in the overall goal

Kevin Lacker:

>the contract with devs is so far from working

Ilya Sukhar:

>indeed

Kevin Lacker:

>"ratcheting down openness" is a good way to think of it

Kevin Lacker:

>but, it sucks going forward if people perceive the whole thing as undependable

Kevin Lacker:

>there should be a subset which platform can promise to maintain

Kevin Lacker:

>for a reasonable period of time

Kevin Lacker:

>i feel like that's already implicitly happened for some stuff

Ilya Sukhar:

>doug also finally opened up to me about the dev adv reorg

Kevin Lacker:

>oh ho

Ilya Sukhar:

>he was like "yeah the entire company hated james pearce and everyone he managed. i didn't have the energy to have that in my org anymore"

Ilya Sukhar:

>we shouldn't push for prashant moving

Ilya Sukhar:

>he is poisoned too

Kevin Lacker:

>a lot of people hate prashant?

Ilya Sukhar:  
>fran does

Kevin Lacker:  
>ashley also hates fran

Ilya Sukhar:  
>indeed

Kevin Lacker:  
>maybe fran is incompetent

Kevin Lacker:  
>but, dating someone else in platform

Ilya Sukhar:  
>haha

Kevin Lacker:  
>and therefore is a constant source of organizational trouble

Ilya Sukhar:  
>well, theres an interesting story behind this CMO thing too

Ilya Sukhar:  
>apparently this move will make the org more adoption focused and less launch focused

Ilya Sukhar:  
>doug claims fran has been trying to fight his boss and do better things but ultimately was hamstrung by the approach the whole org took

Kevin Lacker:  
>hmm

Kevin Lacker:  
>well, I don't really have a great plan around marketing or prashant

Kevin Lacker:  
>I do think that prashant's energy has been helpful

Ilya Sukhar:  
>i think we should let it be for now

Kevin Lacker:  
>and I think that, even if he couldn't work with the rest of the org, he can do some great stuff with docs and probably a lot of stuff

Kevin Lacker:  
>yeah

Kevin Lacker:

>the whole org needs less reorging

Kevin Lacker:

>so, when in doubt, there is a value to not reorging things

Kevin Lacker:

>just let working styles organically develop

Ilya Sukhar:

>yeah

Kevin Lacker:

>so basically the graph api is full of mistakes

Kevin Lacker:

>i think platform should focus on making some subset of API usage into a high-quality API

Kevin Lacker:

>biggest issue, whether it breaks a lot

Kevin Lacker:

>making the whole thing not break is too immense a task

Kevin Lacker:

>Parse should be part of the high-quality subset and we should keep it that way and we basically are

Kevin Lacker:

>if we get involved in future projects where we collaborate with non-parse platform, like deep linking, we should enforce one way or another the same sort of quality

Kevin Lacker:

>I think Eddie's team is set up pretty well to produce a high quality api. I think we can collaborate with them well

Ilya Sukhar:

>ok

Ilya Sukhar:

>so .. what.. you think i shouldn't take on the other team in any formal way?

Kevin Lacker:

>ehh this is more like, what i think that team should do

Kevin Lacker:

>for you taking stuff on, i am more worried about the impact on marketing/sales/dev adv

Kevin Lacker:

>but, don't take it on and then turn into them

Ilya Sukhar:

>haha

Ilya Sukhar:

>dead in the eyes

Kevin Lacker:

>maybe running the api team is like

Kevin Lacker:

>stealing the one true ring

Kevin Lacker:

>it feels powerful

Kevin Lacker:

>but then over time you turn into a monster. it's just inherent in the design of the ring

Ilya Sukhar:

>haha

Kevin Lacker:

>don't like, just say yes because the ring is powerful

Ilya Sukhar:

>if it were that - i would've already said yes

Kevin Lacker:

>yeah but now i have a more concrete request

Kevin Lacker:

>which is that you make sure that you can get the api team going in a direction that is good

Kevin Lacker:

>this is a good time for you to make requests. it's like steve jobs saying, i'll come back to apple but only if i can fire the board and replace them with my cronies

Ilya Sukhar:

>ha

Kevin Lacker:

>but really if i could run either eddie's eng team or four api teams, i would pick eddie's

Kevin Lacker:

>we are probably going to get disconnected in scope eventually since doug is much more reorgy than vlad

Ilya Sukhar:

>well, step one is already disconnecting us

Kevin Lacker:

>yeah i mean it seems inevitable either way

Kevin Lacker:

>and i dont really want to be responsible for engineering teams that i dont think can build a good product

Kevin Lacker:



>like, if the pm blows, i dont want to em it

Kevin Lacker:

>if you doing more stuff results in me doing more parsey pm ish things, thats ok

Kevin Lacker:

>if it results in parse gets some random shitty pm in the future, that's not good

Ilya Sukhar:

>i doubt it means that

Kevin Lacker:

>what, does parse scale up but never get more pms

Kevin Lacker:

>theres only a few outcomes

Kevin Lacker:

>in the long run either the parse team stops growing or it gets more PMs or it operates with an oddly low amount of PM input

Ilya Sukhar:

>well, they would report to me in any reasonable future

Kevin Lacker:

>well, hopefully they aren't shitty

Kevin Lacker:

>i guess folks are already somewhat aware of the problem hiring PMs, if the alternate plan for api team is get a "tpm"

Ilya Sukhar:

>yeah

Ilya Sukhar:

>well, i think part of the problem is who wants to work on dev tools at fb

Kevin Lacker:

>not really your typical PM

Kevin Lacker:

>a lot easier to find engineers who care about dev tools

Ilya Sukhar:

>yeah

Ilya Sukhar:

>i think that's why they're going the TPM route

Ilya Sukhar:

>these are some meager salary bumps that vlad is proposing

Kevin Lacker:

>yeah

Ilya Sukhar:

>i dont think it's worth it

Ilya Sukhar:

>you?

Kevin Lacker:

>dunno but i'm inclined to agree with you

Kevin Lacker:

>on the other hand, i do feel like it's good to fight for whatever we can get our people

Kevin Lacker:

>but... it is small

Ilya Sukhar:

>well, i just feel like we'll come out net negative

Ilya Sukhar:

>i'd pay 30k not to have the conversations of "why'd only some people get a raise?"

Kevin Lacker:

>heh

Ilya Sukhar:

>man michael cohen won't even talk to me about rsus

Kevin Lacker:

>yeah that makes sense

Ilya Sukhar:

>he's like "you need to talk to vlad first. he owns the goal of breaking it you"

Kevin Lacker:

>lol

Ilya Sukhar:

>vlad says stanley and christine are 7000 rsus above the high range of offers already

Kevin Lacker:

>yeah

Kevin Lacker:

>he told me that same thing

Ilya Sukhar:

>oh

Kevin Lacker:

>so, vlad can't do it within the realm of "normal eng comp"

Ilya Sukhar:  
>i'm curious who killed it

Ilya Sukhar:  
>vlad or someone in corp dev

Ilya Sukhar:  
>or someone in HR

Kevin Lacker:  
>vlad seems like he totally changed his tune at some point

Ilya Sukhar:  
>i suspect vlad

Kevin Lacker:  
>so I think he got overruled from elsewhere

Ilya Sukhar:  
>oh

Ilya Sukhar:  
>i guess i haven't talked to him about it in person at all

Ilya Sukhar:  
>so i haven't seen his change in tone occur

Kevin Lacker:  
>vlad was originally like, i thought it was a bad idea, but now it sounds like corp dev will free up some money so okay if it comes from their money pot it's fine with me

Kevin Lacker:  
>and then he was like, actually talking with corp dev is not working because the rsu amounts are so high anyway

Kevin Lacker:  
>if vlad thought it was a bad idea i would have expected him to just oppose from the start

Ilya Sukhar:  
>yeah

Ilya Sukhar:  
>i implanted the idea

Ilya Sukhar:  
>and he ran with it way faster than i expected

Kevin Lacker:  
>rather than like, inject himself and then leave himself with the shitty job of explaining to us why we can only get a 29k bump

Kevin Lacker:

>this seems like a henele situation

Ilya Sukhar:

>yeah

Kevin Lacker:

>vlad is like, ok ok lets do this crazy thing

Kevin Lacker:

>then vlad gets overrule

Kevin Lacker:

>and is like... oops

Kevin Lacker:

>well, ok you can at least leave the bucket of poop in my front yard

Kevin Lacker:

>i'll deal with it

Ilya Sukhar:

>oh well

Ilya Sukhar:

>i was never mentally attached to this rsu thing

Ilya Sukhar:

>it seemed like a longshot

Kevin Lacker:

>yeah it was a good longshot to try for

Ilya Sukhar:

>who thinks that plenty of apps do deep linking?

Ilya Sukhar:

>i don't think that's true at all

Kevin Lacker:

>it's more, what would this hypothetical product do

Ilya Sukhar:

>i think the main piece you're missing is ads

Ilya Sukhar:

>and retargeting

Kevin Lacker:

>ok

Kevin Lacker:

>like the twitter ads deep linking product just does it via asking for a bunch of info in their ad product

Ilya Sukhar:

>i think search is another piece

Ilya Sukhar:

>so far this is a more high minded approach

Kevin Lacker:

>well, my question is not really "how many facebook products could do deep linking in some way"

Kevin Lacker:

>and more, what exactly do people want to build, besides integrations from various teams

Kevin Lacker:

>most ways of doing deep linking do not have public standards

Kevin Lacker:

>so you need to configure them with the linking app

Kevin Lacker:

>like, twitter ads

Kevin Lacker:

>if we don't really want to create a standard

Kevin Lacker:

>we could just do what twitter does for ads

Kevin Lacker:

>and that would probably be ok

Ilya Sukhar:

>i guess i'm saying that so far we do want to create a standard

Kevin Lacker:

>that's cool

Kevin Lacker:

>so the question i am trying to get at is, a standard for what

Kevin Lacker:

>i get that we should make all our products use the standard

Kevin Lacker:

>but, does this standard include discoverability

Kevin Lacker:

>does it include UI direction for apps doing a link

Kevin Lacker:

>etc

Ilya Sukhar:  
>i see

Kevin Lacker:  
>i like eddie's description of all the different groups that touch deep linking

Kevin Lacker:  
>but, the part I am not sure about is, the existing state of the world, why is it not good enough

Ilya Sukhar:  
>i imagine the answer is largely up to us and eddie

Kevin Lacker:  
>the existing state AFAICT is this state where every site that wants to send deep links configures it separately

Kevin Lacker:  
>yeah I agree

Kevin Lacker:  
>this email is kind of a communication between us and eddie and there are some bystanders

Kevin Lacker:  
>i just want to make sure that the way i perceive the problem maps onto how facebook folks perceive the problem

Ilya Sukhar:  
>ok that makes sense

Kevin Lacker:  
>the coolest thing would be an open standard for how deep links would be publicly discoverable

Kevin Lacker:  
>something that would still help facebook, but would be less cool, would be a standard way for apps to communicate to facebook how their links should be deepified

Ilya Sukhar:  
>yeah

Ilya Sukhar:  
>i agree

Kevin Lacker:  
>something that would still help facebook, but be even less cool, would be a standard for describing a deep link, that didn't let you take a public url and deeplinkify it

Kevin Lacker:  
>that last thing is all you need for ads, really

Kevin Lacker:  
>because each ad deep link will be entered through some custom system

Kevin Lacker:  
>also, the current deep link api lets you share a deep link from the mobile app

Kevin Lacker:

>that's another "okay but not the complete vision" thing

Ilya Sukhar:

>we should think through the upgrade process from "just for ads" to "something really cool"

Kevin Lacker:

>the nice thing is that eddie is competent and wants to do something cool here

Kevin Lacker:

>also in practice eddie's team does a lot of stuff with the graph api

Ilya Sukhar:

>its too bad he is remote

Kevin Lacker:

>so, for a feature we want to actually happen, all the stuff can go through him

Kevin Lacker:

>yeah it's too bad

Kevin Lacker:

>basically having eddie report to you seems fantastic

Kevin Lacker:

>we can work together and get parse invovled in more cool shit

Kevin Lacker:

>if you could do that, but not involve with the api team, that would be great ;-)

Ilya Sukhar:

>ha

Kevin Lacker:

>vlad wants to start up a parse team in seattle at some point btw. definitely after our current set of people stabilizes some

Kevin Lacker:

>he's like, you guys will just be able to recruit so many good engineers up there

Ilya Sukhar:

>yeah

Ilya Sukhar:

>well at least vlad's goals somewhat align with ours

Ilya Sukhar:

>in the sense that he wants more good engineers

Kevin Lacker:

>yeah

Kevin Lacker:  
>its a venn diagram

Kevin Lacker:  
>getting more good engineers onto parse is in the intersection

Ilya Sukhar:  
>yeah

Ilya Sukhar:  
>Can you forward me that ppt?

Kevin Lacker:  
>yeah let me find the link to the FB discussion

Kevin Lacker:  
>It seems like if we figured what we think the right answer is we might just be able to make it happen

Kevin Lacker:  
>I don't know the right solution though. Definitely a case of too many cooks right now

Ilya Sukhar:  
>Yeah

Ilya Sukhar:  
>Vernal is looking for more ideas

Ilya Sukhar:  
>And was frustrated that Doug had merely "strategery" to offer

Kevin Lacker:  
>Lets try informally taking this over via competence

Ilya Sukhar:  
>Yeah I'm up for it

Kevin Lacker:  
>Ok let me sleep on it and let's discuss at founders meeting tomorrow