

# Exhibit 45

**FILED UNDER SEAL**

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# **Exhibit 4**

Message

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**From:** David Riphagen [davidriphagen@google.com]  
**Sent:** 11/27/2018 5:03:00 PM  
**To:** Patrick Davis [patdav@google.com]; Jeremy Frank [jeremyfrank@google.com]; Winston Mok [wmok@google.com]; Larry Yang [lryang@google.com]; Darshini Thiagarajan [darshinit@google.com]; Angela Ying [angelaying@google.com]; Paul Feng [pfeng@google.com]; Manish Bhargava [mbhargava@google.com]; Mrinalini Loew [mloew@google.com]; Meghdutt Brahmachari [meghdutt@google.com]; Austin Shoemaker [awshoemaker@google.com]; Vivek Gandhi [vivekgandhi@google.com]; Amber Barlament [abarlament@google.com]; Calvin Ling [cling@google.com]  
**Subject:** ??PF-Team?

- **David Riphagen**, 2018-11-27 09:03:00

<a href="https://www.google.com/url?q=https://stratechery.com/2018/antitrust-the-app-store-and-apple/&sa=D&source=hango%20uts&ust=1543424580782000&usg=AFQjCNHmMA%20srwBsbtJyHZgS8VBfeDhpNwg">https://stratechery.com/2018/antitrust-the-app-store-and-apple/</a>

- **David Riphagen**, 2018-11-27 09:03:04

https://chat.google.com/api/get\_hangouts\_attachment\_url?url\_type=FIFE\_URL&attachment\_token=AOe91x326ZkfmhGdVs\_NvNn2kO6iEIGFyNHU6KvqxQ6PDB6Zz02nmTXDv-zmM8KE3oi-f9ZCXPVzEQxy\_yqJ\_6avsLW7wWfjBtAZED2mGq6FU\_0\_TM3Gi4LtJqYaDZc3KW3sqkXpX2ruk1\_VWOzu7ZxIA5oIumr1uuUh4LKq29ogFv7fdX870IUJJN0YOrZ89TLerokSitGoJGXUabioQezmMoTEtx\_G\_vtuhf2S IvFe4VmbcYUlcE4NVn3-5Eak

- **David Riphagen**, 2018-11-27 09:03:22

Ben Thompson is writing about the Apple case. Haven't read it yet, send me Tldr if you have

- **Larry Yang**, 2018-11-27 09:15:08

Reminder: do not speculate on legal matters over email or (saved) chat