

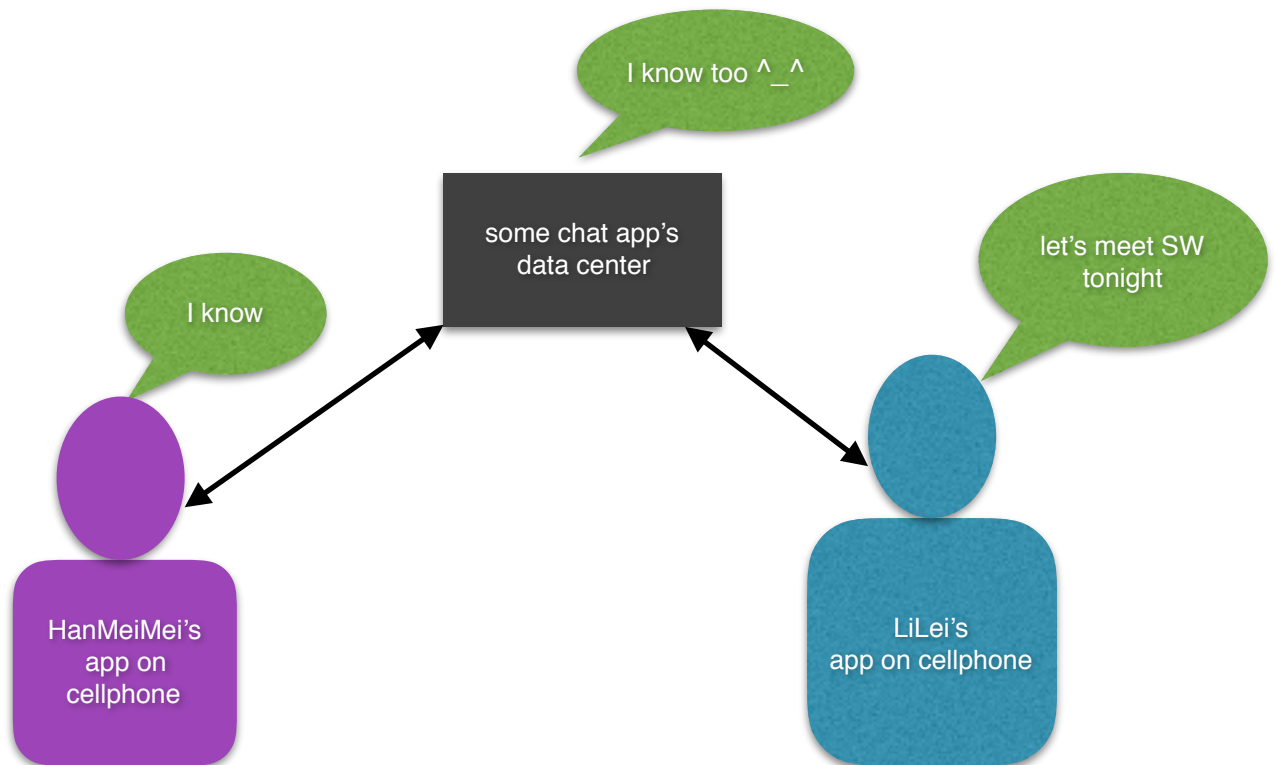
去中心化网络社交媒体的设想

改变当前网络社交媒体生态圈的一种尝试

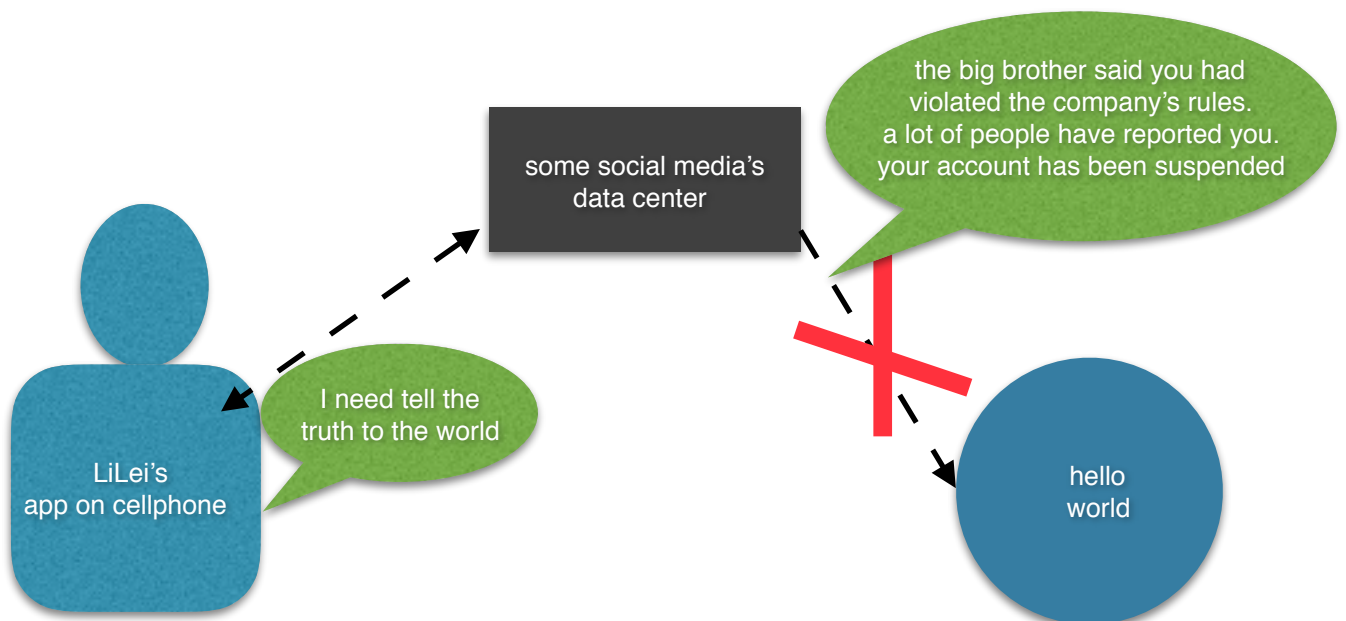
helping others helps yourself

► 当前网络社交媒体潜在的问题

1. 所有用户数据都是保存在社交媒体提供商的数据机房，AI和大数据分析对用户的隐私是一大威胁

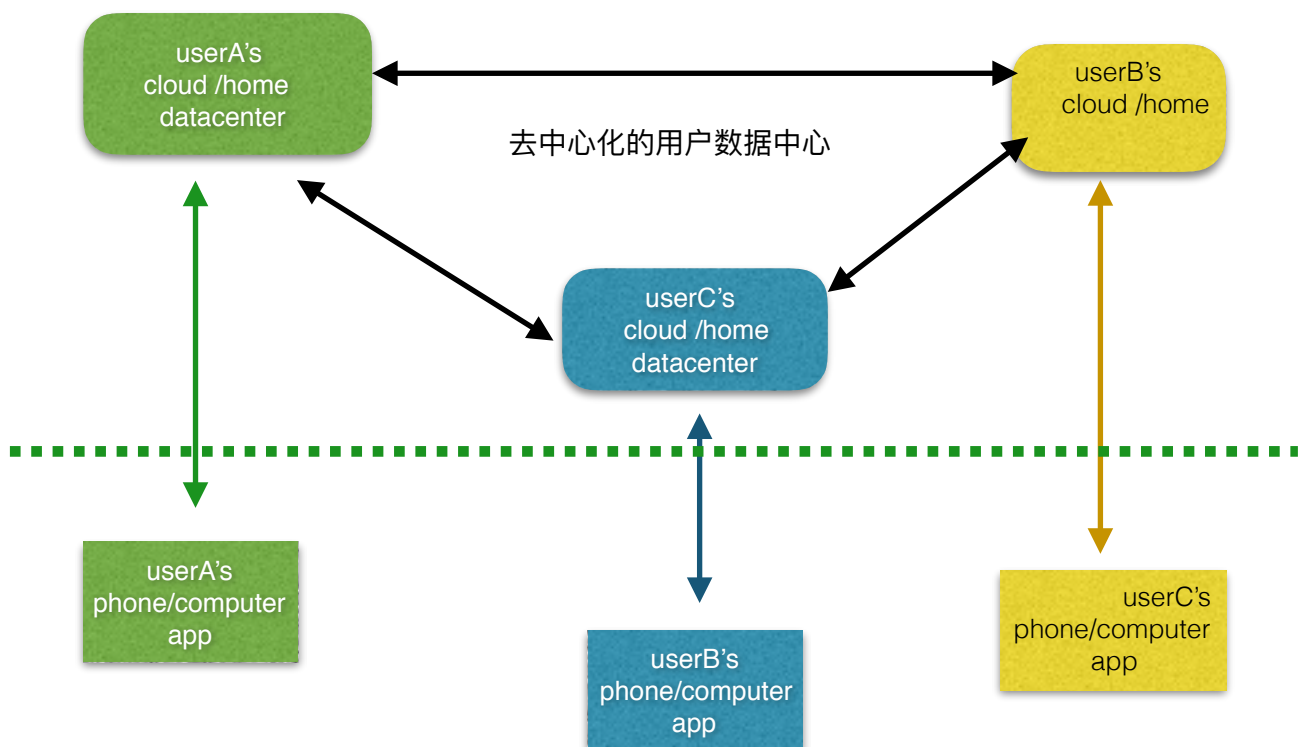


2. 社交媒体软件拥有关闭用户账号的最高解释权



3. 有些社交软件在有些国家是被限制的

► 一种设想的解决方案



每个用户的社交软件都有一对，分server-app和client-app，server-app安装在客户自己的私有的数据中心，负责和网络上的好友交换信息。client-app负责远程操控server的软件。

去中心化的网络社交媒体软件之间的信息交流采用一种类似于3GPP制定的标准通信协议

- **用户私有的数据中心和server-app**

- 可以分布在云端，也可以分布在自己家里。将来每个人都可能拥有一个云端服务器，这是趋势，就像我们现在每个人都拥有几台私人电脑一样。
- 因为用的是统一的通信协议，所以不同商家提供的server-app可以互相通信。不像现在的Facebook用户不能跟WhatsApp用户通信一样。
- 添加好友就像添加他们家的门牌号一样，比如云端服务器的网址。
- 用户可以自由保存自己的消息记录或者文件。可以自由换服务器地址。
- 这里可以产生另一种新的行业，专门帮客户打造安全的server-app和安全不易被攻破的个人数据中心，有了他们的服务，客户不需要懂太多电脑知识就可以方便安装和操作
- 细化分工，增加了行业，增加了竞争

- **user's phone/computer app(client-app)**

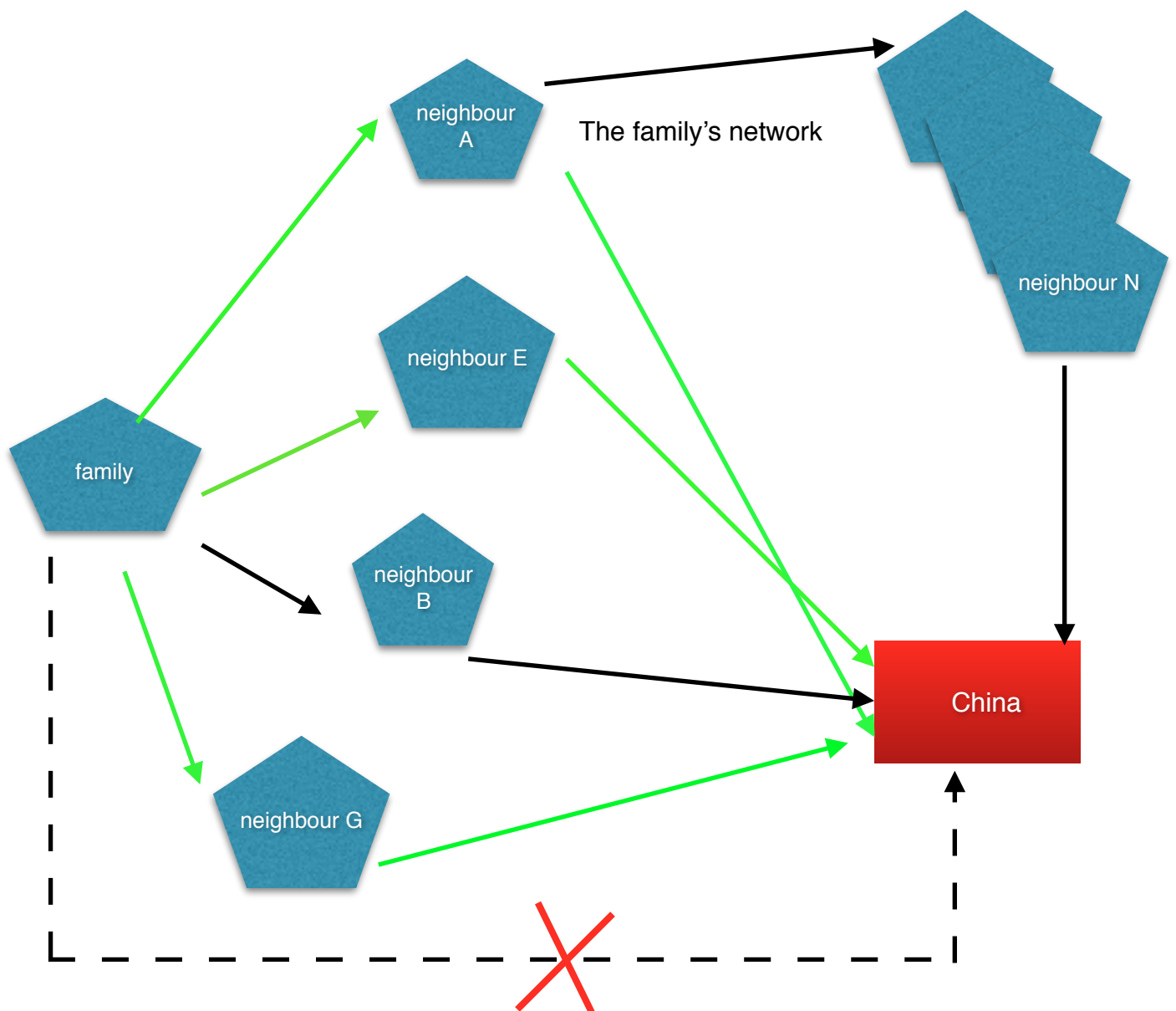
- 客户UI界面，只和用户自己的云端数据中心交换信息，实现远程遥控
- 聊天界面和效果跟现有的社交软件差不多

► **这个系统如何解决第3个问题**

the possible solution: you need a lot of friends in your network, some of them have their cloud servers deployed in overseas, every cloud server has a special door opened for helping others in the network who wants to visit the blocked domain.

for example, if a Nazi army is hunting a family, a father, a mother, a child. their neighbours have special tunnels to ShangHai China, the family can randomly choose 3 neighbours who's tunnel is fast enough to get to ShangHai China, for instance, the father choose neighbour A, the mother choose neighbour G, the child choose neighbour E.

take the family as a package of your message you want to deliver through your social network, in theory, you can cut your message into slices and randomly choose some of your good neighbours to deliver to any corner of the world at each time.



► **helping list**

each user has the option to add some domain name on its helping list,so his friend in the network can open his special door for delivering a portion of their messages to the blocked domain.

► **how to find out some best paths to the blocked domain**

I am not an expert on this.my naive guess would be like this: first by random search,note down the nodes each path has been through. in theory the paths is jumping from time to time,so it would be difficult for one to collect the user's whole package .

► **comparison to existing WPN technology .**

existing WPN works alone,they can easily be detected and blocked. Our method use the nature of social network, we work together in network, we help each other. the tunnels to the outside world growth quickly like bacteria when your network grows.In theory any individual in this network is impossible to be blocked,unless this country is like north Korea cutting all the connection with the outside world.

► **the benefit of the new social networking system to the world**

1. every company, big or small, has the equal opportunity to take in play. it is a business democracy.
2. the end user no longer has to install multiple social-app,for instance one might have some friends on Whatsapp,in the mean time he also has some friends on Facebook. with this new social networking software system he can choose any APP and server-app provider to connect to all the friends all over the world.
3. the user don't have to be a technical expert,there are many professional companies can provide good service,the user just need to click next and next,every thing on cloud server and phone app should be installed quickly.
4. in all,because it is no longer dominated by some giant companies,and you don't have to sing a song on other giant company's platform,it is your own garden,if your garden has many beautiful flowers,many people will stop by, if it has many fruits,many people will come and buy them.since rule has been changed,there will be many many more opportunities for the end-user and other small companies that provide services.

► **what we need here**

1. a standard organisation like 3GPP that defines the protocol, so that every component providers can obey,and supervise the component providers so that they dare not collect user's data for evil things.
2. really hope experts in this field can take the lead to form such a organisation.
3. many open source X experts to initiate this project.

I am not a engineer in this field,it is beyond my ability to finish this project,neither to start it now,I am only an engineer who has successful experience in accelerating stereo vision on FPGA (<https://youtu.be/se1tly5UWpE>). I have seen some imperfect and nasty things happened,I have such a dream to fix that,I hope it is not a naive illusion on a Christmas day,and I also hope elegant technical people can work together and help to make this happen.

helping others helps yourself.

Thanks && Merry Christmas to all of you

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